



MALI

A Poisonous Mix

Child Labor, Mercury, and Artisanal Gold Mining in Mali

HUMAN
RIGHTS
WATCH



A Poisonous Mix
Child Labor, Mercury, and Artisanal
Gold Mining in Mali

Copyright © 2011 Human Rights Watch
All rights reserved.
Printed in the United States of America
ISBN: 1-56432-831-7
Cover design by Rafael Jimenez

Human Rights Watch is dedicated to protecting the human rights of people around the world. We stand with victims and activists to prevent discrimination, to uphold political freedom, to protect people from inhumane conduct in wartime, and to bring offenders to justice. We investigate and expose human rights violations and hold abusers accountable. We challenge governments and those who hold power to end abusive practices and respect international human rights law. We enlist the public and the international community to support the cause of human rights for all.

Human Rights Watch is an international organization with staff in more than 40 countries, and offices in Amsterdam, Beirut, Berlin, Brussels, Chicago, Geneva, Goma, Johannesburg, London, Los Angeles, Moscow, Nairobi, New York, Paris, San Francisco, Tokyo, Toronto, Tunis, Washington DC, and Zurich.

For more information, please visit our website: <http://www.hrw.org>



A Poisonous Mix

Child Labor, Mercury, and Artisanal Gold Mining in Mali

- Regional Maps i**
- Summary and Recommendations..... 1**
- Methodology.....14**
- I. The Context: Gold Mining in Mali 16**
 - Mali’s Gold Economy 16
 - Artisanal Gold Mining 18
 - Child Labor and Migration in West Africa 20
- II. The Legal Framework..... 22**
 - International Human Rights Law22
 - National Laws on Human Rights.....27
- III. Hazardous Child Labor in Mali’s Artisanal Gold Mines..... 29**
 - Hazardous Child Labor throughout the Mining Process.....30
 - Mercury Poisoning of Children in Artisanal Mines—an “Invisible Epidemic”36
 - “Everything Hurts:” Other Health Consequences of Child Labor in Artisanal Gold Mining.....39
 - Working Hours and Pay: Between Family Support and Exploitation 41
 - Trafficking45
 - Coercion..... 46
 - Other Child Labor in Mining Communities47
 - Attitudes to Child Labor 48
- IV. Sexual Exploitation and Violence..... 50**
 - Sexual Exploitation.....50
 - Sexual Violence.....52
- V. Limited Impact: Policy and Program Responses to Child Labor and Abuse..... 53**
 - Government Action on Child Labor53
 - Donor and NGO Programs on Child Labor 55
 - The ILO’s “Minors out of Mining” Initiative: Hollow Commitments?57
 - Efforts to End Child Abuse and Trafficking58

VI. A Poor Health Policy Response	60
A Weak Health System	60
Health Access Barriers for Children in Mining Areas.....	61
Government Neglect of Mercury Related Health Conditions	62
Efforts to Reduce Exposure to Mercury	62
Towards an International Mercury Reduction Treaty.....	63
VII. “I Have Never Been to School” – Access to Education for Child Laborers in Mines.....	64
Difficult Access to Education in Artisanal Mining Areas.....	64
Education Policies: Failing to Reach Child Laborers	68
Social Protection Measures to Improve Access to Education.....	70
VIII. The Gold Traders’ Responsibility	72
The Responsibility of Gold Traders in Mali	72
The Role of Artisanal Miners’ Associations	74
The Responsibility of International Gold Trading Companies	75
Government Mining Policies: Failure to Regulate Artisanal Mining	77
Regional and International Initiatives towards Mining Businesses.....	79
Conclusion	82
Recommendations.....	85
To the Government of Mali	85
To the Economic Community of West African States (ECOWAS)	89
To Donor Countries and the World Bank, and Relevant UN Agencies, such as ILO, UNICEF, UNIDO, UNEP, and WHO.....	89
To Malian and International Companies Trading in Artisanal Gold	90
To Malian Associations of Artisanal Gold Miners	91
To All Governments.....	91
Acknowledgements	92
Annex I.....	93
Annex II.....	97
Annex III.....	101
Annex IV.....	104
Annex V.....	106

Regional Maps



WEST AFRICA



Summary and Key Recommendations



An artisanal gold mine, Kéniéba circle, Mali.

© 2010 International Labour Organization/IPEC



A POISONOUS MIX

Child Labor, Mercury, and Artisanal Gold Mining in Mali

Children carry calabashes and buckets for panning at an artisanal gold mine, Kéniéba circle, Mali.

© 2010 International Labour Organization/IPEC

In many poor rural areas around the world, men, women, and children work in artisanal gold mining to make a living. Artisanal or small-scale mining is mining through labor-intensive, low-tech methods, and belongs to the informal sector of the economy. It is estimated that about 12 percent of global gold production comes from artisanal mines.





Mining is one of the most hazardous work sectors in the world, yet child labor is common in artisanal mining. This report looks at the use of child labor in Mali's artisanal gold mines, located in the large gold belt of West Africa. Mali is Africa's third largest gold producer after South Africa and Ghana; gold is Mali's most important export product.

It is estimated that between 20,000 and 40,000 children work in Mali's artisanal gold mining sector. Many of them start working as young as six years old. These children are subjected to some of the worst forms of child labor, leading to injury, exposure to toxic chemicals, and even death. They dig shafts and work underground, pull up, carry and crush the ore, and pan it for gold. Many children suffer serious pain in their heads, necks, arms, or backs, and risk long-term spinal injury from carrying heavy weights and from enduring repetitive motion. Children have sustained injuries from falling rocks and sharp tools, and have fallen into shafts. In addition, they risk grave injury when working in unstable shafts, which sometimes collapse.

Child miners are also exposed to mercury, a highly toxic substance, when they mix gold with mercury and then burn the amalgam to separate out the gold. Mercury attacks the central nervous system and is particularly harmful to children. Child laborers risk mercury poisoning, which results in a range of neurological conditions, including tremors, coordination problems, vision impairment, headaches, memory loss, and concentration problems. The toxic effects of mercury are not immediately noticeable, but develop over time: it is hard to detect for people who are not medical experts. Most adult and child artisanal miners are unaware of the grave health risks connected with the use of mercury.

The majority of child laborers live with and work alongside their parents who send their children into mining work to increase the family income. Most parents are artisanal miners themselves, and are paid little for the gold they mine, while traders and some local government officials make considerable profit from it. However, some children also live or work with other people—relatives, acquaintances, or strangers, and are economically exploited by them. A significant proportion of child laborers are migrants, coming from different parts of Mali or from neighboring countries, such as Burkina Faso and Guinea. Some of them may be victims of trafficking. Young girls in artisanal mining areas are also sometimes victims of sexual exploitation and abuse.

Many children working in artisanal mining never go to school, missing out on essential life skills as well as job options for the future. The government has largely failed to make education accessible and available for these children. School fees, lack of infrastructure, and poor quality of education deter many parents in mining areas from sending their children to school. Schools have also sometimes failed to enroll and integrate children who have migrated to mines.

Nevertheless, some child laborers attend school but struggle to keep up, as they are working in the mines during holidays, weekends, and other spare time.

In the view of Human Rights Watch, with some exceptions, Malian and international gold companies operating in Mali have not done enough to address the issue of child labor in the supply chain. Much of the gold from Mali's artisanal mines is bought by small traders who supply middlemen and trading houses in Bamako, the country's capital. A few trading houses export the gold to Switzerland, the United Arab Emirates (in particular Dubai), Belgium, and other countries.

Under international law, the government of Mali is obligated to protect children from the worst forms of child labor, and from economic exploitation, trafficking, and abuse. It also has an obligation to ensure free and compulsory primary education for all. The government must take measures to avoid occupational accidents and diseases, and reduce the population's exposure to harmful substances. International development partners should assist poorer nations, such as Mali, to fulfill their obligations under international law. Businesses, under international law and other norms, also have a responsibility to identify, prevent, mitigate, and account for their impact on human rights through policies and due diligence measures.

Encouragingly, the government of Mali has taken some important measures to protect children's rights. It has outlawed hazardous child labor in artisanal mines and, in June 2011, adopted a National Action Plan for the Elimination of Child Labor in Mali. The government has also made some progress in improving access to education, though net enrollment remains low at 60.6 percent. With regard to mercury, the government supports mercury reduction measures through the upcoming global treaty on mercury.

Yet, the government has not put its full political weight behind these efforts. Existing initiatives, such as the work of the National Unit to Combat Child Labor, tend to be isolated, understaffed, and lack full support from other ministries. Health policy lacks a strategy to prevent or treat health problems related to mercury use or other mining-related conditions. Child laborers, including those in artisanal mining areas, have not benefitted from government's education policy, and the education system has not been adapted to their needs. Mining policy has focused on industrial mining, carried out by international companies, and has largely neglected problems related to artisanal mining, including child labor. Meanwhile, local government officials and traditional authorities such as local chiefs have benefitted financially from artisanal mining. Government policies on crucial areas such as health, education, and artisanal mining, are also sometimes undermined by the *laissez-faire* attitude of local government officials, who carry considerable weight in the current decentralized governance structure. Such attitude



Children and a woman pan for gold at an artisanal gold mine, Kéniéba circle, Mali.

© 2010 International Labour Organization/IPEC

effectively undermines the government's efforts to address child rights issues, including child labor in artisanal gold mining.

Donors, United Nations agencies, and civil society groups have undertaken some important initiatives on child labor, education, or artisanal mining in Mali. For example, the International Labor Organization (ILO) and a Malian non-governmental organization, Réseau d'Appui et de Conseils, have assisted children in leaving mining work and starting school. But such initiatives have been limited in scope, suffered from paucity of funding, and lacked consistent political backing. The United States and the European Commission have drastically reduced their funding for international child labor programs in Mali, contributing to a funding crisis at the ILO. At the international level, the ILO has failed to follow up on its 2005 call to action "Minors out of Mining," in which 15 governments—including Mali—committed to eliminating child labor in their artisanal mining sector by 2015.

Hazardous child labor in Mali's artisanal mines can only be ended if different actors—central and local governments, civil

society, UN agencies, donors, artisanal miners, gold traders and companies—prioritize its elimination, give it their full political support, and provide financial support to efforts aimed at ending it. There is an urgent need for feasible and concrete solutions that can bring about change.

As a first step, the government should take immediate measures to end the use of mercury by children working in artisanal mining, through a public announcement reiterating the ban on such hazardous work for children, an information campaign in mining areas, and regular labor inspections.

Beyond this immediate step, the government and all relevant stakeholders should come together to implement the government's action plan on child labor. The government should also take steps to improve access to education in mining zones, by abolishing all school fees, introducing state support for community schools, and establishing a social protection scheme for vulnerable children. The government and other actors should provide stronger support for artisanal gold miners, such as support in the creation of cooperatives, and the introduction of alternative technologies that reduce the use of mercury. The government should also address the health impact of mercury on artisanal miners, in particular on children, and address other mining-related health problems. International donors and UN agencies should support the government in its efforts to eliminate hazardous child labor in



Women work with mercury in the presence of small children at Baroya mine, Kéniéba circle. Miners habitually handle mercury in the course of gold processing.



A woman holds liquid mercury, used to extract gold, in her bare hand at Baroya, Kéniéba circle. The mercury binds to any gold present, creating a gold-mercury amalgam. A local trader burns a mercury-gold amalgam. The mercury vaporizes during the process. Mercury vapors are highly toxic.

artisanal mining, politically, financially, and with technical expertise. There is the need to convene a national roundtable on hazardous child labor in artisanal mining in Mali, to bring together all relevant actors—government, civil society, UN, donors, experts, and business—and create momentum for concerted action.

Malian and international companies should recognize their responsibility regarding child labor and other human rights issues. Companies should introduce thorough due diligence processes and engage in meaningful dialogue with their suppliers and their government, urging measures towards the elimination of child labor within a specific time frame, for example, two years. They should also directly support projects that aim to eliminate child labor, such as education and health programs for children in artisanal mining areas. An immediate and total boycott of gold from Mali is not the answer to human rights violations in Mali's artisanal gold mines. Boycott risks reducing the income of impoverished artisanal mining communities and may even increase child labor as families seek to boost their income.

At the regional level, the Economic Community of West African States (ECOWAS) should ensure that the future ECOWAS Mining Code prohibits child labor in artisanal mining, including the use of mercury, and mandates governments to take steps to reduce the use of mercury. At the international level, the future global treaty on mercury should oblige governments to take measures that end the practice of child laborers working with mercury. The ILO should build on its past efforts to end child labor in artisanal mining by reviving its “Minors out of Mining” initiative.



A bar of gold melted at a trading house in Bamako.

Photos © 2011 Juliane Kippenberg/Human Rights Watch



A boy climbs out of a shaft at an artisanal gold mine, Kéniéba circle, Mali.

© 2010 International Labour Organization/IPEC



A boy digs a shaft at an artisanal gold mine, Kéniéba circle, Mali.

© 2010 International Labour Organization/IPEC

KEY RECOMMENDATIONS

- The Malian government should immediately take steps **to end the use of mercury by child laborers**, through information dissemination and outreach with affected communities.
- The Malian government and international donors, including the United States and European donors, should give full political backing and sufficient financial support for the recently adopted **National Action Plan on Child Labor**, including to programs for the withdrawal of children working in mines.
- As part of a nationwide **campaign on child labor and the right to education**, local authorities—with oversight from national government—should raise awareness in the mining communities about the laws on hazardous child labor and compulsory education. Labor inspectors should start inspections in artisanal mines and sanction those who use child labor in contravention of the law.
- The Malian government should improve **access to education** for children in artisanal gold mining areas, by lifting school fees, introducing free school meals, increasing state financial support for community schools, and improving school infrastructure. It should also establish a social protection scheme for child laborers, including those in mining areas that ties cash transfers to regular school attendance.
- The Malian government, together with civil society groups, should develop a national action plan for the **reduction of mercury in artisanal mining**, with attention to the particular situation of children and pregnant women living and working in artisanal mining areas.
- The Malian government should develop a comprehensive public health strategy to **tackle chronic mercury exposure and mercury poisoning** in Mali, with a particular focus on child health.
- The Malian government should improve the **livelihood of artisanal mining communities** by providing training on improved mining techniques, assisting artisanal miners in efforts to set up cooperatives, and offering income-generating activities in other sectors.
- National and international companies buying gold from Mali's artisanal mines should have **due diligence procedures** that include regular monitoring of child labor. If child labor is found, companies should urge the government and suppliers to take measurable steps towards the elimination of child labor in their supply chain within a defined time frame, and directly support measures to end child labor.
- The International Labor Organization should renew its **“Minors out of Mining” initiative**, in which 15 governments committed to eliminate child labor in artisanal mining by 2015.
- All governments should support a **strong global treaty on mercury** that requires governments to implement mandatory action plans for mercury reduction in artisanal gold mining. The action plans should include strategies to end the use of mercury by children and pregnant women working in mining, and public health strategies to address the health effects of mercury poisoning.



A group of boys working at Tabakoto mine, in Kéniéba circle. Young boys frequently dig holes or pull up the ore with buckets.

© 2011 Juliane Kippenberg/Human Rights Watch

Methodology

Field research for this report was carried out between February and April 2011 in Bamako and in the mining areas in Western and Southern Mali. Human Rights Watch researchers visited three mining sites in Kéniéba circle, in the Kayes region of Western Mali — Baroya (Sitakili commune), Tabakoto (Sitakili commune), and Sensoko (Kéniéba commune) — and one mine in Worognan (Mena commune) in Kolondiéba circle, in the Sikasso region of Southern Mali (see map).

Human Rights Watch interviewed over 150 people—including 41 children working in mining areas (24 boys and 17 girls)—for this report.¹ Thirty-three of these children worked in gold mining, and the other eight, among them seven girls, worked as child laborers in other sectors such as childcare, domestic work, agriculture, or in small scale enterprises. Five of the forty-one children were immigrants; two were from Burkina Faso, and three were from Guinea. We also interviewed three young adults, ages eighteen and nineteen, two of whom were working in a gold mine, and one as a sex worker at a mining site.

While the majority of the children interviewed lived with their parents, five lived with relatives or other guardians, and seven were living on their own.

We also interviewed a wide range of other actors in mining areas, including parents and guardians of child workers, adult miners, teachers and principals, health workers and health experts, village chiefs, *tombolomas* (traditional mining chiefs), NGO activists, and sex workers. In addition, Human Rights Watch researchers held meetings with gold traders in mining areas and in Bamako, with representatives of UN agencies and donor governments. We interviewed the Minister of Labor and Civil Service and his staff, as well as officials in the Ministry of Mines, the Ministry of Health, the Ministry of Environment and Sanitation, the Ministry of Education, and the Ministry of Promotion of Women, Child and Family Affairs. We also interviewed local government officials in Kéniéba and Kolondiéba circles.

¹ Two local consultants carried out 16 of the 41 interviews with children. In this report, the word "child" refers to anyone under the age of 18. The Convention on the Rights of the Child states, "For the purposes of the present Convention, a child means every human being below the age of 18 years unless under the law applicable to the child, majority is attained earlier." Convention on the Rights of the Child (CRC), adopted November 20, 1989, G.A. Res. 44/25, annex, 44 U.N. GAOR Supp. (No. 49) at 167, U.N. Doc. A/44/49 (1989), entered into force September 2, 1990, ratified by Mali on September 20, 1990. When this report uses the term adolescents, it refers to older children.

We also interviewed international companies importing gold or other products through complex supply chains, including two companies importing gold from Mali's artisanal mines. Outside Mali, we also interviewed several international experts on artisanal gold mining, mercury use, and health effects of mercury.

Interviews with child laborers were carried out in a quiet setting, without other adults present. The names of the interviewees were kept confidential. All names of children used in this report are pseudonyms. We arranged for a local NGO to intervene in the case of one child who was abused at home. When we interviewed children, we adapted the length and content of the interview to the age and maturity of the child. Interviews with children under the age of 10 did not last longer than 15 minutes, while those with older children took up to an hour.

Most interviews were conducted in Bambara through the help of an interpreter. Bambara is the mother tongue of about four million Malians of the Bambara ethnic group; it is also a lingua franca in Mali and several other West African countries. Three interviews with Guinean children and one with an 18-year-old from Guinea were conducted in French. One interview with an 18-year-old sex worker was conducted in English.

One challenge during this research was the assessment of the children's age. Some children did not know their exact age. Parents or guardians were also sometimes unable to state the precise age of the child. In Mali, almost half of all births are not registered, making it difficult to obtain information on the real age of the children we interviewed.² We only considered interviewees as children when we were certain that they were children, judging their age by their own assessment, the assessment of relatives, and their physical appearance. Because of this, we did not include the statement of a boy who claimed he was 18, even though he looked younger.

In addition to interviews, we carried out desk research, consulting a wide array of written documents from government, UN, NGO, media, academic, company, and other sources.

² UNICEF, "Mali Statistics," http://www.unicef.org/infobycountry/mali_statistics.html (accessed July 26, 2011).

I. The Context: Gold Mining in Mali

Mali's Gold Economy

Gold has been mined for many centuries in Mali. Large West African kingdoms, including the Mali Empire (approximately 1235-1400), built their wealth on gold from the Bambouk region of Western Mali and the Trans-Saharan gold trade.³ Gold has remained a central commodity during colonialism and in Mali's postcolonial economy.

Since 1999, gold has been Mali's number one export commodity, followed by cotton. In 2008, gold accounted for about 75 percent of all Malian exports.⁴ While gold prices have dramatically increased over the last decade, prices for other commodities, such as cotton, have fallen. Mali is currently the third largest gold producer on the African continent, after South Africa and Ghana, and the thirteenth largest gold producer in the world.⁵ Since 2005, Mali's gold production has been around 50 tons per year—worth more than US \$2.9 billion at September 2011 prices.⁶

The main gold mining regions lie in Western and Southern Mali, specifically in the Kéniéba area on the Senegalese-Malian border (historically known as Bambouk); the area around Kangaba less than 100 kilometers southwest of the capital; and in several areas in the Sikasso region (see map). While mining in Kéniéba and Kangaba dates hundreds of years back, many mines in the Sikasso region have been opened in recent years. The gold belt in the Sahel zone includes several other countries, such as Guinea, Senegal, Burkina Faso, Ghana, Niger, and Nigeria.

Historically, Malian miners have practiced artisanal mining, known as *orpaillage* in French. Today, the practice still exists. Artisanal or small-scale mining is carried out by individuals, groups, families, or cooperatives with minimal or no mechanization, using labor-intensive excavation and processing methods. Artisanal miners (*orpailleurs*) operate with limited capital investment, often in the informal sector of the economy, and are not employed by a large company.⁷ Mali's artisanal mines produce an estimated four tons of gold per year,

³ Jacob E. Mabe, ed., *Das Afrika-Lexikon* (Stuttgart: J.B. Metzler Verlag, 2001), p. 373; Joseph Ki-Zerbo, *Die Geschichte Schwarzafrikas* (Frankfurt am Main: Fischer, 1990), pp. 131-145.

⁴ Claire Mainguy, "Natural resources and development: The gold sector in Mali," *Resources Policy*, vol. 36 (2011), pp. 123-131.

⁵ *Ibid.*

⁶ Ministère des Mines, "2009 Annuaire Statistique du secteur mines et géologie," December 2010, Bamako, p. 9. As of September 2011, gold was trading at over \$1800 an ounce.

⁷ Thomas Hentschel, Felix Hruschka, and Michael Priester, "Artisanal and Small-Scale Mining: Challenges and Opportunities," (London: International Institute for Environment and Development and WBCSD, 2003), <http://pubs.iied.org/pdfs/9268IIED.pdf>

according to official records; the real number might be higher, though.⁸ Due to rising gold prices, artisanal mining has attracted increasing numbers of people in Mali and the West African region over the last decade.⁹

The majority of gold produced today comes from large industrial mines. Among the important multinational companies in Mali are Anglo Gold Ashanti, Randgold (both South African multinational companies), IAMGOLD, Avion Gold (two Canadian corporations), Resolute Mining (from Australia), and Avnel Gold Mining (from the United Kingdom). These companies operate several large industrial mines, such as the Morila, Sadiola, Yatela, and Loulo mines, in joint ventures with the Malian government; the government holds a minority stake of about 20 percent.¹⁰ A new mining law is currently underway; it will increase the government share in industrial mines, and oblige mining companies to implement local development projects.¹¹

Despite its wealth in gold, Mali remains a very poor country. The 2010 Human Development Index, which measures health, education and income, ranks Mali as 160th out of 169 countries.¹² About 50 percent of the population is living on less than one dollar per day,¹³ and social indicators are very low. Almost 20 percent of all children die before their fifth birthday, and adults have, on average, attended school for only 1.4 years.¹⁴ Human rights and development organizations have commented critically on the limited benefit of Mali's gold sector for the wider population, including a lack of revenue transparency.¹⁵

(accessed June 1, 2011), p. 5; Samuel J. Spiegel, "Socioeconomic dimensions of mercury pollution abatement: Engaging artisanal mining communities in Sub-Saharan Africa," *Ecological Economics*, vol. 68 (2009), pp. 3072-3083.

⁸ Ministère des Mines, "2009 Annuaire Statistique du secteur mines et géologie," December 2010, Bamako, p. 9. The head of the Malian federation of artisanal gold miners estimates the total production to be as high as 20 tons per year. Human Rights Watch interview with Morike Sissoko, president of the *Fédération nationale des orpailleurs au Mali* (FNOM), Kéniéba, April 2, 2011.

⁹ Sadia Mohammed Banchirigah, "How have reforms fuelled the expansion of artisanal mining? Evidence from sub-Saharan Africa," *Resources Policy*, vol. 31 (2006), pp. 165-171.

¹⁰ Oxfam, "Hidden Treasures. In search of Mali's gold-mining revenues," 2006, <http://www.oxfamamerica.org/files/hidden-treasure.pdf> (accessed June 1, 2011); Mainguy, "The gold sector in Mali," *Resources Policy*, pp. 123-131; Olof Drakenberg, "Mining in Mali - A background note for the Swedish International Development Cooperation Agency," July 2010, <http://www.hgu.gu.se/Files/nationalekonomi/EEU/Helpdesk/EnvPolicyBrief/2010/Mining%20in%20Mali%20%20a%20background%20note%20for%20Sida%20final.pdf> (accessed June 1, 2011).

¹¹ Ministère des Mines, "Code Minier (Projet)," May 28, 2010; Human Rights Watch interview with Aliou Haidara, Publish What You Pay, Mali, Bamako, February 16, 2011; Human Rights Watch interview with government official, Ministry of Mines, April 6, 2011.

¹² United Nations Development Program (UNDP), "International Human Development Indicators," 2010, <http://hdrstats.undp.org/en/countries/profiles/MLI.html> (accessed June 1, 2011).

¹³ UN, "Millennium Development Goal Indicators," July 7, 2011, <http://unstats.un.org/unsd/mdg/SeriesDetail.aspx?srid=580> (accessed June 1, 2011). The figure for Mali is from 2006.

¹⁴ UNDP, "International Human Development Indicators".

¹⁵ Oxfam, "Hidden Treasures"; International Federation for Human Rights, "Gold Mining and Human Rights in Mali," September 2007, http://www.fidh.org/IMG/pdf/Mali_mines_final-en.pdf (accessed June 1, 2011); Human Rights Watch interview with Hon. Moussa Coumbere, Kolondiéba, April 7, 2011.

Artisanal Gold Mining

There are over 350 artisanal mining sites across Western and Southern Mali; their precise number is unknown even to the government.¹⁶

Estimates put the number of artisanal gold miners in Mali between 100,000 and 200,000.¹⁷ Around 20 percent of artisanal gold miners are children.¹⁸ Based on these estimates, the number of child laborers in Mali's artisanal mines is between 20,000 and 40,000.

The work process is organized by groups of artisanal miners who agree at the outset how they will divide the gold mined. Groups may consist of adults and children. Artisanal mines have attracted workers from many parts of Mali, as well as from other countries in the West African subregion, such as Guinea and Burkina Faso.

Under the Mining Code, artisanal mining is legal in specified geographical areas called artisanal gold mining corridors (*couloirs d'orpaillage*).¹⁹ In reality, most artisanal mining sites lie outside these corridors.²⁰

The government usually tolerates these activities, in part because mayors and other local authorities, as well as traditional authorities, sometimes benefit financially from the presence of artisanal mines. In the context of decentralization during the 1990s, oversight over and taxing of artisanal mining has been relegated to the local authorities.²¹ Sometimes, artisanal miners have to pay money or part of their gold to traditional authorities who have customary ownership over the land. According to customary practices that are still relevant today, traditional authorities—such as village chiefs—are considered the owners of all land belonging to a particular area.²² They have the authority

¹⁶ Seydou Keita, "Etude sur les mines artisanales et les exploitations minières à petite échelle au Mali," International Institute for Environment and Development, August 2001, pp. 10-11.

¹⁷ A study from 2001 found that there are more than 200,000 artisanal gold miners in Mali. In 2009, a Malian government official put the number also at 200,000 at a workshop presentation. See UNIDO/ Direction nationale de l'assainissement et du contrôle des pollutions et des nuisances, "Atelier sous-régional d'information des pays de l'Afrique de l'Ouest francophones sur les problèmes liés à l'orpaillage. Rapport de synthèse," December 2009, p. 28. An ILO study cites the National Directorate for Geology and Mines as saying that there are about 100,000 artisanal gold miners in Mali. International Labour Organization (ILO), "Etude transfrontalière sur le travail des enfants dans l'orpaillage au Burkina Faso, au Mali et au Niger. Volet pays Mali," March 2010, p.9.

¹⁸ ILO, "Etude transfrontalière sur le travail des enfants," p. 9.

¹⁹ Ordonnance no.99-032/P-RM portant Code Minier en République du Mali, August 19, 1999, art. 57.

²⁰ Human Rights Watch interview with government official, Ministry of Mines, April 6, 2011.

²¹ Code Minier, art. 57. International Institute for Environment and Development (IIED), "Legal tools for citizen empowerment: Increasing local participation and benefit in Mali's mining sector," 2008, <http://www.indiaenvironmentportal.org.in/files/12554IIED.pdf> (accessed June 24, 2011), p. 21.

²² The Land Tenure Code recognizes customary practices relating to land tenure, with some exceptions. USAID Mali, "Mali Land Tenure Assessment Report", September 2010, pp. 7-8, 20; Netherlands Development Organization (SNV)/ Helvetas

to open or close a mine. On behalf of the village chief, the *tomboloma* (traditional mining chief) deals with management issues at the mine. He assigns each group of miners a shaft and, in some areas, receives a payment for it.²³ He also manages conflicts among miners.

Mayors also sometimes charge for shafts or get other revenue from the mine.²⁴ A mayor in Kolondiéba circle moved his office from the regular town hall in the commune's central town to a mining site when the mine was opened during 2010, and was receiving one third of each payment for each newly assigned shaft when we visited. His *tomboloma* explained:

The task of the *tomboloma* is to organize the space, set boundaries for each shaft, and guarantee security of the site. When I allow a miner, or a group of miners, to work there, I get money, and so do the mayor and the *chef de village*. Depending on the quality of the ore, the miner has to pay between 10,000 and 12,500 CFA francs (approximately between US \$20.73 and US\$25.91). One third of this amount goes to the *tomboloma*, one third goes to the mayor, and one third to the *chef de village*.²⁵

In addition, miners frequently pay part of their earnings to more wealthy and powerful gold miners who rent out machines and equipment miners cannot afford to buy themselves. Such gold miners are persons of status and influence in the community, most commonly traditional authorities (or 'notables') or local government officials. For example, one mayor told Human Rights Watch that he "owned" a mine where he was renting out machines.²⁶ His advisor had 70 to 80 people working for him on eight sites.²⁷ The relationship between the wealthy gold miners and the ordinary artisanal miners sometimes resembles a relationship between an employer and an employee. Some wealthy gold miners also lend money to poorer miners, creating a burden of debt. Community leaders at one mining site described how the debt creates severe pressure on the artisanal miners, who try to pay the money back within a month, and they cited this as one of the reasons why parents send their children to work in the mines.²⁸

Mali/ Pact/ Deutscher Entwicklungsdienst/ Deutsche Gesellschaft für Internationale Zusammenarbeit, *Guide juridique. Les ressources naturelles, les collectivités et leurs territoires* (Bamako: Communiconcon 2007), pp. 12-13.

²³ Human Rights Watch interview with *tomboloma* and mayor, Worognan, April 9, 2011; ILO, "Etude transfrontalière des enfants dans l'orpaillage," p. 32; Seydou Keita, "Etude," pp. 16-17.

²⁴ Human Rights Watch interview with official from National Directorate for Mines, Bamako, February 15, 2011; Human Rights Watch interview with government official, Ministry of Mines, Bamako, April 6, 2011; Human Rights Watch interview with village chief and community leaders, Baroya, April 3, 2011.

²⁵ Human Rights Watch interview with *tomboloma* and mayor, Worognan, April 9, 2011.

²⁶ Human Rights Watch interview with mayor of Tabakoto, Tabakoto, April 3, 2011; Human Rights Watch interview with advisor to mayor, Baroya, April 3, 2011; Human Rights Watch interview with gold trader, Kéniéba, April 4, 2011; Seydou Keita, "Etude," p. 16.

²⁷ Human Rights Watch interview with advisor to mayor, Baroya, April 3, 2011.

²⁸ Human Rights Watch interview with village chief and community leaders, Baroya, April 3, 2011.

Artisanal miners who have been assigned a particular shaft sometimes hire others to work for them. They are considered “owners” of the shaft. Several artisanal miners in the Kéniéba region explained that they had to give two out of three bags of ore to the “owner” of the shaft.²⁹

In some areas, miners have set up cooperatives or economic interest groups to invest together in equipment, improve efficiency of the work process, and increase income.³⁰

Child Labor and Migration in West Africa

Child labor is very common in Mali and other parts of West Africa. In the context of poverty, child labor is a common strategy to increase household income. Mali’s official figures state that about two-thirds of children in Mali work, and about 40 percent of all children between the ages of five and fourteen perform hazardous labor. In absolute figures, an estimated 2.4 million children are doing work that is considered harmful.³¹ Child labor puts children at a disadvantage in accessing an education and the wider labor market, and exposes children to a range of human rights abuses, including labor exploitation, violence, and trafficking.³²

The majority of children in Mali work in agriculture. Other sectors include domestic work—almost entirely performed by girls—husbandry, fishery, handicraft, commerce, and artisanal mining, including artisanal gold mining and quarrying. Another form of child labor is the forced begging by pupils of Quranic schools (*talibés*) who are exploited by their teachers.³³

There is a long history of child migration in West Africa.³⁴ Younger children are often sent to live with relatives, a practice called *confiage* (child fostering).³⁵ For adolescents—older

²⁹ Human Rights Watch interview with Tiémoko K., 15, Baroya, April 3, 2011; Human Rights Watch interview with Yacouba C., 16, Baroya, April 3, 2011; Human Rights Watch interview with village chief and community leaders, Baroya, April 3, 2011. The practice is also identified by Seydou Keita, “Etude,” p. 16.

³⁰ Seydou Keita, “Etude,” pp. 16-17; Email communication from Sidiki Coulibaly, ONG Réseau d’Appui et de Conseils (RAC), May 23, 2011.

³¹ Ministère du Travail et de la Fonction Publique, “Plan d’action national pour l’élimination du travail des enfants au Mali,” April 2010, p. 10.

³² Understanding Child’s Work (ILO/UNICEF/World Bank Group), “Comprendre le travail des enfants au Mali”, Rome, May 2009, pp. i-iii.

³³ ILO/IPEC Mali, “Etude CAP. Travail des enfants au Mali,” Bamako, September 2008, pp. 29-33; Understanding Child’s Work, “Comprendre le travail des enfants au Mali,” pp. 25-30; US Department of Labor, “2009 Findings on the Worst Forms of Child Labor,” 2010, <http://www.dol.gov/ilab/programs/ocft/pdf/2009OCFTreport.pdf> (accessed August 9, 2011), pp. 417-425. On forced begging, see also Human Rights Watch, *Off the Backs Of the Children: Forced Begging and Other Abuses Against Talibés in Senegal*, April 2010, <http://www.hrw.org/en/reports/2010/04/15/back-children-0>.

³⁴ Loretta E. Bass, *Child Labor in Sub-Saharan Africa*, (Boulder: Lynn Rienner 2004); Morten Bøås and Anne Hatløy, “Child Labour in West Africa: Different Work – Different Vulnerabilities,” *International Migration*, vol. 46 (3), 2008, pp. 3-25.

children under the age of 18—leaving the village and seeking economic independence have been an important rite of passage in the past and present.³⁶

While child fostering and migration can benefit a child’s access to education and upbringing, it can also lead to exploitation and trafficking.³⁷ Trafficking of children into various work sectors has increasingly become a problem in West Africa, including Mali. Most of the trafficking is done through small, informal networks, including families and acquaintances. In addition to internal trafficking, there is cross-border trafficking between Mali and its neighboring countries.³⁸

³⁵ Fafo Institute of International Studies, “Travel to Uncertainty. A study of child relocation in Burkina Faso, Ghana and Mali,” Oslo 2004, <http://www.fafo.no/pub/rapp/440/440.pdf> (accessed June 1, 2011).

³⁶ Sarah Castle and Aïsse Diarra, “The International Migration of Young Malians: Tradition, Necessity or Rite of Passage,” London School of Hygiene and Tropical Medicine, October 2003 (unpublished paper).

³⁷ Child trafficking occurs when children are recruited, transferred, transported, harbored, or received for the purpose of exploitation. Exploitation can mean sexual exploitation, forced labor or services, slavery or practices akin to slavery, or servitude. For details, see section II.

³⁸ Understanding Child’s Work, “Comprendre le travail des enfants au Mali,” pp. 44-46; US Department of State, “Trafficking in Persons Report, 10th edition,” June 2010, <http://www.state.gov/documents/organization/142979.pdf> (accessed June 24, 2011), pp. 227-228; Human Rights Watch, *Borderline Slavery – Child Trafficking in Togo*, vol.15, no. 8(A), April 2003, <http://www.hrw.org/sites/default/files/reports/togoo403.pdf>.

II. The Legal Framework

International Human Rights Law

Mali has ratified a great number of international treaties, including the International Covenant on Social, Economic and Cultural Rights (ICESCR), the Convention on the Rights of the Child (CRC) and its Optional Protocol on the Sale of Children, Child Prostitution and Child Pornography, and the Protocol to Prevent, Suppress, and Punish Trafficking in Persons, especially Women and Children.³⁹ Furthermore, Mali has ratified binding ILO Conventions, in particular the Worst Forms of Child Labor Convention (Convention 182) and the Minimum Age Convention (Convention 138).⁴⁰ At the regional level, Mali is a state party to the African Charter on Human and People's Rights and the African Charter on the Rights and Welfare of the Child.⁴¹ In Mali, international treaties have primacy over national legislation.⁴²

Child Labor

Child labor is defined by the ILO as work that is “mentally, physically, socially, or morally dangerous and harmful to children” and “interferes with their schooling.”⁴³ International law does not prohibit all types of work for children. Certain types of activities are permitted when they do not interfere with the child's schooling and do not harm the child.⁴⁴ The Minimum Age Convention and Worst Forms of Child Labor Convention spell out in detail what types of work amount to child labor, depending on the child's age, the type and hours of work performed, the impact on education, and other factors.

³⁹ International Covenant on Economic, Social and Cultural Rights (ICESCR), adopted December 16, 1966, G.A. Res. 2200A (XXI), 21 U.N. GAOR Supp. (No. 16) at 49, U.N. Doc. A/6316 (1966), 993 U.N.T.S. 3, entered into force January 3, 1976, ratified by Mali on July 16, 1974; Optional Protocol to the Convention on the Rights of the Child on the Sale of Children, Child Prostitution and Child Pornography, adopted May 25, 2000, G.A. Res. 54/263, Annex II, 54 U.N. GAOR Supp. (No. 49) at 6, U.N. Doc. A/54/49, Vol. III (2000), entered into force January 18, 2002, ratified by Mali on May 16, 2002; Protocol to Prevent, Suppress and Punish Trafficking in Persons, Especially Women and Children, Supplementing the United Nations Convention on Transnational Organized Crime (Trafficking Protocol), adopted November 15, 2000, G.A. Res. 55/25, annex II, 55 U.N. GAOR Supp. (No. 49) at 60, U.N. Doc. A/45/49 (Vol. I) (2001), entered into force December 25, 2003, ratified by Mali on April 12, 2002.

⁴⁰ ILO Convention No. 182 concerning the Prohibition and Immediate Action for the Elimination of the Worst Forms of Child Labor (Worst Forms of Child Labor Convention), adopted June 17, 1999, 38 I.L.M. 1207, entered into force November 19, 2000, ratified by Mali on July 14, 2000; ILO Convention No. 138 concerning the Minimum Age for Admission and Employment (Minimum Age Convention), adopted June 26, 1973, 1015 U.N.T.S. 297, entered into force June 19, 1976, ratified by Mali on March 11, 2003.

⁴¹ African [Banjul] Charter on Human's and Peoples' Rights (Banjul Charter), adopted June 27, 1981, OAU Doc. CAB/LEG/67/3 rev. 5, 21 I.L.M. 58 (1982), entered into force October 21, 1986, ratified by Mali on December 21, 1981; African Charter on the Rights and Welfare of the Child, OAU Doc. CAB/LEG/24.9/49 (1990), entered into force November 29, 1999, ratified by Mali on June 3, 1998.

⁴² Constitution, art.116.

⁴³ ILO/IPEC, “About Child Labor,” <http://www.ilo.org/ipecc/facts/lang--en/index.htm> (accessed on June 21, 2011). See also ILO, *Child Labor – A textbook for university students*, (Geneva: ILO, 2004), p. 16.

⁴⁴ ILO, *Child Labor*, p. 17.

According to the CRC, all children have the right to be protected from economic exploitation.⁴⁵ Economic exploitation refers to situations where children are taken advantage of for the purpose of material interests, including through child labor, sexual exploitation, and trafficking.⁴⁶

The Worst Forms of Child Labor

The Worst Forms of Child Labor Convention defines the worst forms of child labor as “all forms of slavery or practices similar to slavery, such as the sale and trafficking of children ... and forced or compulsory labor”, as well as “work which, by its nature or the circumstances in which it is carried out, is likely to harm the health, safety or morals of children.”⁴⁷ The latter type of work is also defined as hazardous work.

According to the ILO, mining counts among the most hazardous sectors and occupations.⁴⁸ Under the Worst Labor Convention, hazardous work includes work that exposes children to abuse, work underground, work with dangerous machinery, equipment, and tools, work that involves the manual handling or transport of heavy loads, work in an unhealthy environment that exposes children to hazardous substances, agents, or processes, or to temperatures damaging to their health, and work under particularly difficult conditions such as working long hours.⁴⁹ The Convention calls upon states to define hazardous occupation in national legislation.⁵⁰

Minimum Age

For work other than the worst forms of child labor, international law requires states to set a minimum age for admission into employment and work. The Minimum Age Convention states that “the minimum age shall not be less than the age of compulsory schooling and, in any case, shall not be less than 15 years.”⁵¹ As an exception, developing countries are allowed to specify a lower minimum age at 14 years at the moment of ratification.⁵²

⁴⁵ CRC, art. 32.

⁴⁶ The Committee on the Rights of the Child devoted one day of its fourth session to a general discussion on the issue of economic exploitation. See CRC/C/20, 4th session, October 4, 1993, <http://www.ohchr.org/EN/HRBodies/CRC/Documents/Recommandations/exploit.pdf> (accessed June 20, 2011), pp. 3-4.

⁴⁷ Worst Forms of Child Labor Convention, art. 3.

⁴⁸ International Labor Organization, Programme on Safety and Health at Work and the Environment, “Hazardous Work,” http://www.ilo.org/safework/areasofwork/lang--en/WCMS_DOC_SAF_ARE_HAZ_EN/index.htm (accessed June 8, 2011).

⁴⁹ ILO, R 190, Worst Forms of Child Labor Recommendation, 1999, <http://www.ilo.org/ilolex/cgi-lex/convde.pl?R190> (accessed June 6, 2011), para. 3.

⁵⁰ Worst Forms of Child Labor Convention, art. 4.

⁵¹ Minimum Age Convention, art. 2(3).

⁵² Minimum Age Convention, art. 2(4).

The Minimum Age Convention also permits light work from the age of 13. Light work is defined as work “which is not likely to be harmful to their health and development; and not such as to prejudice their attendance at school, their participation in vocational orientation or training programs [...] or their capacity to benefit from the instruction received.”⁵³

The Right to Education

Both the CRC and the ICESCR lay down the principle of free and compulsory primary education.⁵⁴ In addition, higher education, including secondary schooling as well as vocational training, should be made available and accessible to all.⁵⁵ States are required to protect children from work that interferes with their education.⁵⁶

While the rights under the ICESCR are subject to progressive realization, states have a “minimum core obligation to ensure the satisfaction of, at the very least, minimum essential levels of each of the rights.” These are not subject to progressive realization but have to be fulfilled immediately.⁵⁷ In particular, states have to “provide primary education for all, on a non-discriminatory basis.”⁵⁸ They also have to ensure that primary education is free of charge and compulsory. To realize the right to primary education, states have to develop and implement plans of action; where a State party is clearly lacking in financial resources, the international community has an obligation to assist.⁵⁹

The CRC urges states to implement measures, where necessary, within the framework of international cooperation.⁶⁰ Similarly, the African Charter on the Rights and the Welfare of the Child provides that “every child has the right to an education” and stipulates that free and compulsory basic education should be achieved progressively.⁶¹

⁵³ Minimum Age Convention, art. 7.

⁵⁴ CRC, art. 28(1)a; ICESCR, art. 13(2)a. The Worst Forms of Child Labor Convention, art. 7, also stipulates that States shall take measures to “ensure access to free basic education.”

⁵⁵ CRC, art. 28; ICESCR, art. 13.

⁵⁶ CRC, art. 32.

⁵⁷ UN Committee on Economic, Social and Cultural Rights (CESCR), General Comment No. 3, art. 2, para. 1, The Nature of States Parties Obligations, UN Doc. E/1991/23, annex III at 86 (1990), para. 10.

⁵⁸ CESCR, General Comment No.13, art. 13, The Right to Education, UN Doc. E/C.12/1999/10 (1999), para. 57.

⁵⁹ CESR, General Comment No.11, Plans of Action for Primary Education, UN Doc E/C.12/1999/4 (1999), paras 6-9.

⁶⁰ CRC, art. 4.

⁶¹ African Charter on the Rights and Welfare of the Child, art. 11. The Protocol to the African Charter on Human and People’s Rights on the Rights of Women in Africa urges states to “promote the enrolment and retention of girls in schools and other training institutions” (art 12, 2(c)), <http://www.africa-union.org/root/au/Documents/Treaties/Text/Protocol%20on%20the%20Rights%20of%20Women.pdf> (accessed September 8, 2011).

The Right to the Highest Attainable Standard of Health

The right to the highest attainable standard of health is enshrined in international human rights law. The ICESCR, the CRC, the African Charter on Human and Peoples' Rights, and the African Charter on the Rights and the Welfare of the Child recognize the right to physical and mental health as well as the right of access to health care services for the sick.⁶²

Several international and regional legal instruments also require states to protect children from work that is harmful to their health or physical development.⁶³

With regards to hazardous work environments, state parties to the ICESCR have the obligation to improve “all aspects of environmental and industrial hygiene,” for example, through preventive measures to avoid occupational accidents and diseases, and the prevention and reduction of the population’s exposure to harmful substances such as harmful chemicals.⁶⁴

The full realization of the right to the highest attainable standard of health has to be achieved progressively.⁶⁵ In addition, states face core obligations that have to be met immediately, including essential primary health care, access to health services on a non-discriminatory basis, and access to an adequate supply of safe and potable water.⁶⁶ Obligations of comparable priority include the provision of reproductive, maternal, and child health care, and of education and access to information concerning the main health problems in the community.⁶⁷

Protection against Violence, Sexual Abuse, and Trafficking

The CRC and other international treaties to which Mali is a party protect children from violence and abuse. Although parents or legal guardians have the primary responsibility for children in their care, states have an immediate obligation to protect children from all forms of physical or mental violence, injury and abuse, neglect or negligent treatment, maltreatment, or exploitation, including sexual abuse.⁶⁸ Sexual exploitation and abuse of children is prohibited in all forms.⁶⁹

⁶² ICESCR, art. 12; Banjul Charter, art. 16; CRC, art. 24; African Charter on the Rights and the Wellbeing of the Child, art. 14.

⁶³ CRC, art. 32(1); Worst Forms of Child Labor Convention, art. 3(d); African Charter on the Rights and the Wellbeing of the Child, art. 15(1).

⁶⁴ CESCR, General Comment No. 14, Article 12, The Right to the Highest Attainable Standard of Health, UN Doc. E/C.12/2000/4 (2000), para. 15.

⁶⁵ OHCHR, WHO, “The Right to Health,” p. 23.

⁶⁶ CESCR, General Comment No. 14, para. 43.

⁶⁷ CESCR, General Comment No. 14, para. 44.

⁶⁸ CRC, art. 19(1).

⁶⁹ CRC, art. 34; African Charter on the Rights and Wellbeing of the Child, art. 16(1), art. 27.

Trafficking in persons is prohibited under international law.⁷⁰ Having a slightly broader scope than trafficking in adults, trafficking in children is defined as “the recruitment, transportation, transfer, harboring or receipt of a child for the purpose of exploitation.”⁷¹ Exploitation includes “at a minimum, the exploitation of the prostitution of others or other forms of sexual exploitation, forced labor or services, slavery or practices similar to slavery, servitude, or the removal of organs.”⁷² Trafficking of children is also classified as a worst form of child labor.⁷³

International Human Rights Obligations of Businesses

Although governments have the primary responsibility for promoting and ensuring respect for human rights, private entities such as companies have human rights responsibilities as well. This basic principle has achieved wide international recognition and is reflected in international norms, most recently with the adoption of the Guiding Principles on Business and Human Rights by the UN Human Rights Council in June 2011.⁷⁴

The Guiding Principles were elaborated by John Ruggie, former United Nations’ special representative of the secretary general on the issue of human rights and transnational corporations and other business enterprises. The Principles lack guidance with regards to government regulation of companies’ human rights impacts and have failed to call for mandatory monitoring and reporting of companies’ human rights impacts. Nonetheless, they serve as a useful guide to many of the human rights obligations of businesses and of the governments that oversee their activities. The Principles place particular emphasis on the concept of human rights due diligence—the idea that companies must have a process to identify, prevent, mitigate, and account for their impact on human rights. According to the Guiding Principles, corporations should monitor their impact on an ongoing basis and have processes in place that enable the remediation of adverse human rights impacts they cause or to which they contribute.⁷⁵

⁷⁰ Trafficking Protocol, art. 2; CRC, African Charter on the Rights and the Wellbeing of the Child, art. 29.

⁷¹ Trafficking Protocol, art. 3(c).

⁷² Trafficking Protocol, art. 3(a).

⁷³ Worst Forms of Child Labor Convention, art. 3(a).

⁷⁴ United Nations Human Rights Council, “Report of the Special Representative of the Secretary-General on the issue of human rights and transnational corporations and other business enterprises, John Ruggie: Guiding Principles on Business and Human Rights: Implementing the United Nations “Protect, Respect and Remedy” Framework,” A/HRC/17/31, March 21, 2011, <http://www.ohchr.org/documents/issues/business/A.HRC.17.31.pdf> (accessed August 11, 2011), principle 12. There is, however, as yet no shared understanding of the full scope of businesses’ human rights responsibilities, whether these are or should be binding under international law, and if so, how they can best be enforced.

⁷⁵ *Ibid.*, principles 15-24.

Businesses can also choose to join the UN Global Compact, a voluntary initiative which incorporates human rights commitments. The 10 principles of the Global Compact cover general human rights, labor rights, and environmental and anti-corruption standards that are derived from the Universal Declaration on Human Rights and other texts. Businesses committing to this voluntary corporate responsibility initiative agree to “uphold the effective abolition of child labor.”⁷⁶

In May 2011 the Organization for Economic Cooperation and Development (OECD) adopted a Recommendation of the Council on Due Diligence Guidance for Responsible Supply Chains of Minerals from Conflict-Affected and High-Risk Areas.⁷⁷ The Recommendation is not legally enforceable, but calls upon member states and others to implement a due diligence framework in the mineral supply chain, and a model supply chain policy. The model policy states, “We will neither tolerate nor by any means profit from, contribute to, assist with or facilitate the commission by any party of... any forms of forced or compulsory labor ... [and] the worst forms of child labour[.]”⁷⁸ The OECD is now in the process of developing supplements relating to specific minerals, including a supplement on the gold supply chain.⁷⁹

National Laws on Human Rights

Under the 1992 Malian labor law, children are allowed to work from the age of 14, in violation of international law, which sets the age at 15.⁸⁰ Malian law prohibits forced, compulsory, and hazardous labor, or work that exceeds children’s forces or may harm their morals, for anyone under age 18.⁸¹

⁷⁶ United Nations Global Compact, “The Ten Principles,”

<http://www.unglobalcompact.org/AboutTheGC/TheTenPrinciples/index.html>. (accessed June 9, 2011), principles 5, 7, 9.

⁷⁷ OECD, “Due Diligence Guidance for Responsible Supply Chains of Minerals from Conflict-Affected and High-Risk Areas,” December 2010, http://www.oecd.org/document/36/0,3746,en_2649_34889_44307940_1_1_1_1,00.html (accessed August 11, 2011). Although the OECD Recommendation was initiated by concern regarding minerals from conflict areas, it also concerns minerals from non-conflict areas—so-called high risk areas—where any of these human rights violations occur, including the worst forms of child labor.

⁷⁸ *Ibid.*, Annex II, Model Supply Chain Policy for a Responsible Global Supply Chain of Minerals from Conflict- Affected and High-Risk Areas.

⁷⁹ OECD, “Working Group Meeting on Due Diligence in the Gold Supply Chain,” May 4, 2011, http://www.oecd.org/document/44/0,3746,en_2649_34889_47679852_1_1_1_1,00.html (accessed August 11, 2011).

⁸⁰ Loi n° 92-020 portant code du travail en République du Mali, September 23, 1992, art.187, <http://www.droit-afrique.com/images/textes/Mali/Mali%20-%20Code%20du%20Travail.pdf> (accessed June 6, 2011). As an exception, developing countries are allowed to specify a lower minimum age at 14 years at the moment of ratification. Mali, however, did not make use of this provision. Minimum Age Convention, art. 2(4).

⁸¹ Code du travail, art.185 ; Loi n° 00-26 bis / AN-RM portant ratification de l’ordonnance N° 00-006/P-RM autorisant la satisfaction de la convention n° 182 sur l’interdiction des pires formes du travail des enfants, June 16, 2000.

The government has drawn up a national list of hazardous work for children, which prohibits the use of children in many forms of labor in traditional gold mining. Specifically, it prohibits digging of shafts, cutting and carrying of wood for underground shafts, transport of rock from the shaft, crushing, grinding, panning in water, and the use of explosives, mercury, and cyanide.⁸² A decree also stipulates how much weight children are allowed to carry, according to their age, gender, and mode of transport.⁸³

Mercury is not prohibited in Mali, but it is listed in the government's list of dangerous waste, subjecting it to strict rules for trade.⁸⁴

According to the law on education, education is free (*gratuit*) in Mali; this means that any school fees are illegal.⁸⁵ The same law also stipulates that education is compulsory; parents have an obligation to place their children in school during a nine-year period of basic education (*enseignement fondamentale*), starting at age six.⁸⁶

The Penal Code contains protections against violence, child neglect, and child trafficking.⁸⁷ Child trafficking is defined as displacement of a child in conditions that are exploitative and turn the child into a commodity.⁸⁸ A new initiative for a separate anti-trafficking law is currently underway.⁸⁹

The Child Protection Code spells out key protections for children, such as the right to be treated equally and the right to be free from violence, neglect, sexual abuse, and exploitation.⁹⁰ The Code specifically bans economic exploitation, including trafficking or child labor that harms the child's education, health, morals, or development. It puts the minimum age for child labor at 15.⁹¹

⁸² Order No. 09-0151/MTFPRE SG completing the list of hazardous work prohibited for children under 18 years, (Arrêté n° 09-0151/MTFPRE SG complétant la liste des travaux dangereux interdits aux enfants de moins de 18 ans), February 4, 2009.

⁸³ Décret n° 96-178/ P-RM portant application de diverses dispositions de la loi n° 92 -020 du 23 septembre 1992 portant code du travail en République du Mali, art. D 189.23.

⁸⁴ Décret n° 07-135/P-RM fixant la liste des déchets dangereux, 2007.

⁸⁵ Loi n° 99-046 portant loi d'orientation sur l'éducation, December 28, 1999, art. 7.

⁸⁶ Loi n° 99-046 portant loi d'orientation sur l'éducation, arts. 26, 34.

⁸⁷ Loi n° 01-079 portant Code pénal, August 20, 2001.

⁸⁸ Code pénal, art. 244.

⁸⁹ Human Rights Watch interview with a member of National Assembly, Hon. Moussa Coumbere, Kolondiéba, April 7, 2011.

⁹⁰ Code de protection de l'enfant, Ordonnance N° 02-062/P-RM, June 5, 2002. The Code is an ordinance, a legally binding standard adopted by the government without parliamentary approval.

⁹¹ Ibid., arts. 20, 58.

III. Hazardous Child Labor in Mali's Artisanal Gold Mines

I work at the mining site. I look after the other children and I carry minerals. It is hard. Sometimes my arms hurt from it.... Once I had an accident. I injured my finger. I wanted to carry a rock and it fell on my foot. I was taken to the health center. This happened about two months ago.... I work with mercury. You mix it in a cup and put it on the fire. I do this at the site.... I would like to leave this work.

—Mamadou S., estimated age six, Baroya, Kayes region, April 3, 2011

It's my stepmother who makes me work there. I don't want to. My real mother left. My stepmother takes all the money they pay me.... I don't get any money from the work.... Our work starts at 8 a.m. and continues the whole day.... I take the minerals [ore] and pan them. I work with mercury, and touch it. The mercury I was given by a trader.... He said mercury was a poison and we shouldn't swallow it, but he didn't say anything else about the mercury.... I don't want to work in the mines. I want to stay in school. I got malaria, and I am very tired when I work there [at the mine].

—Mariam D., estimated age 11, Worognan, Sikasso region, April 8, 2011

It is estimated that between 20,000 and 40,000 children work in Mali's artisanal gold mines.⁹² Girls and boys are both active in artisanal gold mining, in roughly equal numbers.⁹³ They work under conditions that result in short-term and long-term health problems and bar them from getting an education. Their right to health, to education, and to protection from child labor and abuse is violated on a daily basis.

Children are sent into child labor to increase the family income. Many parents of child laborers are artisanal miners, and they often earn very little. Artisanal miners frequently have to pay money or part of their ore or gold to traditional or local authorities, or to miners who out rent machines or hire them as their workforce. Some artisanal miners are also in debt, putting pressure on them to send their children to work in the mines, in order to boost family income.

Most children go with a parent or sibling to the mine, and work alongside them. Others, however, are sent to live and work with another family, following a tradition of child

⁹² For the estimates of numbers, see section I.

⁹³ ILO, "Etude transfrontalière sur le travail des enfants", p.5.

fostering, or live and work by themselves. Other adults, such as relatives or even strangers, sometimes also take advantage of the vulnerability of children, and economically exploit them by sending them to work in the mines without pay.

The government has failed to effectively address child labor in artisanal mining. It has not enforced current law banning hazardous forms of child labor, and has done too little to make education available and accessible in artisanal mining areas. The government has also failed to address child protection issues, mining-related health problems, and environmental health issues related to mercury in artisanal mining.

Hazardous Child Labor throughout the Mining Process

Digging Shafts and Working Underground

Digging and constructing shafts or pits is the first phase of the gold mining process, and is physically demanding. Boys as young as six do this work. One boy, about six years of age, complained that digging shafts caused him pain in the palms of his hands.⁹⁴ Another boy, Moussa S., also about six years old, told Human Rights Watch:

I dig shafts, with a pickaxe. It is really difficult. I have pain sometimes, for example headaches.⁹⁵

Hamidou S., estimated to be eight years old, told us that he also dug shafts with a pickaxe, resulting in back and neck pain.⁹⁶

Shafts are estimated to be at least 30 meters deep, and sometimes more.⁹⁷ Those who climb into shafts and work underground are considered doing “man’s work”, even though some are also children. Oumar K., about 14, described his experience:

I climb into shafts, something like 30 meters deep. I started this year. Before that, I worked in mining too for about three years – pulling the rope [with a bucket out of the shaft]. The work with the bucket was very tiring.... The shaft is worse.... When you are in the shaft, you are alone and do all the work.... This year, a shaft collapsed, but no one died. It had rained a lot and one part of the

⁹⁴ Human Rights Watch interview with Alpha K., estimated age six, Baroya, April 3, 2011.

⁹⁵ Human Rights Watch interview with Moussa S., estimated age six, Baroya, April 3, 2011.

⁹⁶ Human Rights Watch interview with Hamidou S., estimated age eight, Baroya, April 3, 2011.

⁹⁷ Save the Children found shafts up to 50 meters deep. Save the Children, “Recherche sur les enfants travailleurs dans les placers au Mali, Burkina Faso, en Guinée,” December 2008, p. 28.

shaft slipped and came down. It collapsed on two people. We dug other shafts to get them out. They had back pains but no other injuries.⁹⁸

There are very few security precautions to ensure that shafts are stable or that those underground can get up safely. Oumar K. explained that he took turns with another person once every hour to ensure that the person underground still had enough strength to climb up.⁹⁹

Some miners perform magic rituals that they believe will protect them from accidents. The boys working underground put on a brave face, but barely manage to conceal their fear and frustration. Ibrahim K., who migrated from neighboring Guinea to Mali to work in artisanal mines, said:

I am 15 but I work as a man. I work in a team of 10 people. I climb up and down the shaft and work in the shaft. If you say you are tired, they pull you out and you rest. The big men don't mind. Some only work two hours, I work all day....

It's dangerous—there are often collapses. People are injured. Three died in a cave-in. The little children don't come down into the hole. What they do about safety is that the big men bring sacrifices [such as] butter, lamb, chicken.... I have had problems since working there—my back hurts and I have problems urinating. No one says anything to me about safety....

I don't like working here. I would do anything to go back to Guinea. But I can't save any money. There is a lot of suffering; it's very hard here because of not having enough money.¹⁰⁰

“Pulling the Rope” and Transporting Ore

Outside the shaft, children and adults pull up the ore with buckets. This task is commonly called *tirer la corde* (“pulling the rope”). Several children told us that pulling and transporting the ore caused them pain and that they wanted to stop this work. Karim S., a boy who worked at Worognan mining site with his older brother, told us about his pain:

⁹⁸ Human Rights Watch interview with Oumar K., estimated age 14, Sensoko, April 4, 2011.

⁹⁹ Human Rights Watch interview with Oumar K., estimated age 14, Sensoko, April 4, 2011.

¹⁰⁰ Human Rights Watch interview with Ibrahim K., age 15, Worognan, April 9, 2011.

I pull the buckets up.... It hurts in the arms and back. When it hurts I take a break.... I once took some traditional medicine for the pain in my arms, but it did not really help.¹⁰¹

Lansana K., a 13 -year-old boy who digs shafts and pulls up heavy buckets, complained:

It is really difficult. It can make you sick.... I have already had headaches.... I also sometimes have back pain, shoulder pain, and muscle pain generally.¹⁰²

Once the ore has been pulled out of the shaft, it has to be transported to places where it is bagged for storage or crushed, ground, and panned. Most workers—adults and children—carry the ore on their shoulders, while some others use small carts to transport the load. Several boys interviewed complained about pain from transporting ore. One of them was 15-year-old Djibril C., who said:

It's very difficult—it's very heavy. I carry it [the ore] on my shoulders and head all day long. Sometimes I take a break to eat. I have had pain in my shoulders and chest since I started working there [two months ago].¹⁰³

Another boy, who was 14 years old, told us that he transported the ore from the shaft to the place where it is put into sacks. Although he used a cart with a donkey for this, he said he often felt stiff from lifting weight and being bent over, concluding: “I feel that the work is too much for me.”¹⁰⁴

Some children also carry heavy loads of water in the mines, mostly for use in gold panning (and sometimes for drinking). This is mostly done by girls and poses the same health problems as other transport work.¹⁰⁵

Crushing Ore

Hard and rocky ore must be crushed and ground before it can be panned for gold. When crushing machines and mills for grinding are available, miners rent them to break and

¹⁰¹ Human Rights Watch interview with Karim S., estimated age 14, Worognan, April 8, 2011.

¹⁰² Human Rights Watch interview with Lansana K., 13, Baroya, April 3, 2011.

¹⁰³ Human Rights Watch interview with Djibril C., estimated age 15, Worognan, April 8, 2011.

¹⁰⁴ Human Rights Watch interview with Boubacar S., estimated age 14, Sensoko, April 4, 2011.

¹⁰⁵ Human Rights Watch interview with Anne M., age 11, Baroya, April 3, 2011; Human Rights Watch interview with Susanne D., age 11, Worognan, April 8, 2011; ILO, *Girls in Mining. Research Findings from Ghana, Niger, Peru, and United Republic of Tanzania*, (Geneva: ILO 2007), pp. 3-5.

grind up the earth.¹⁰⁶ The machines are loud and produce a lot of fumes. Men and adolescent boys usually operate the machines, and they often spend many hours a day at crushing machines or mills without any protective gear.¹⁰⁷

When there are no machines to crush the rock, artisanal miners pound it manually, usually with a hammer or a pestle and mortar. This work is sometimes carried out by girls or boys.¹⁰⁸ It can lead to accidents, as well as short-term and long-term back injury.

Panning

Once the ore has been ground to a fine sandy quality, it is washed (or panned) for gold. Gold panning is the basic technique to recover gold from ore. The circular shaking of ore and water in a pan causes the gold to settle to the bottom of the pan, while the lighter material can be washed off the top. This work is largely considered women's and girls' work.¹⁰⁹ Of the 10 girl miners we interviewed, nine said that they panned for gold. Some boys pan for gold, too.¹¹⁰

Several girls mentioned back pains, headaches, and general fatigue caused by gold panning.¹¹¹ Eleven-year-old Susanne D. said:

My back sometimes aches because I am bending down. I have never been to a health center [to treat this], but I take tablets sometimes. When I tell my mother that it hurts, she tells me to take a break.¹¹²

Aminata C., a 13-year-old girl from Baroya mine, told us:

¹⁰⁶ For the description of different machines used in artisanal gold mining, see UN Industrial Development Organization (UNIDO)/Global Mercury Project, "Manual for Training Artisanal and Small-Scale Gold Miners," 2006, http://www.globalmercuryproject.org/documents/non_country%20specific/training%20manual%20for%20miners%20Marco%202015.pdf (accessed June 24, 2011).

¹⁰⁷ Observations during Human Rights Watch visits to artisanal mines.

¹⁰⁸ Human Rights Watch interview with seven women gold miners, Sensoko, April 4, 2011; Human Rights Watch interview with Seydou S., 16, Baroya, April 3, 2011.

¹⁰⁹ Human Rights Watch interview with seven women gold miners, Sensoko, April 4, 2011; Save the Children, "Recherche sur les enfants travailleurs," December 2008, p. 31; ILO, *Girls in Mining*.

¹¹⁰ Human Rights Watch interview with Abdoulaye M., age 15, Baroya, April 3, 2011; Human Rights Watch interview with Seydou S., age 16, Baroya, April 3, 2011; Human Rights Watch interview with Tiémoko K., age 15, Baroya, April 3, 2011.

¹¹¹ Human Rights Watch interview with Nanfadima A., estimated age 11, Tabokoto, April 2, 2011; Human Rights Watch interview with Susanne D., age 11, Worognan, April 8, 2011; Human Rights Watch interview with Rokia K., age 13, Baroya, April 3, 2011; Human Rights Watch interview with Aminata C., age 13, Baroya, April 3, 2011.

¹¹² Human Rights Watch interview with Susanne D., age 11, Worognan, April 8, 2011.

I do gold panning and mixing [amalgamation]. I often feel pain everywhere, I have headaches and stomach aches. When I tell my dad about the pain, he gives me paracetamol.¹¹³

Sometimes, prior to panning, the ore is further concentrated into a gold-rich material through sluices. Sluices are inclined troughs that are lined in the bottom with a carpet or other material that captures gold particles.¹¹⁴ Children also do this work.

“I Work with Mercury Every Day”: The Use of Mercury for Amalgamation

Artisanal gold miners in Mali and all over the world use mercury—a white-silvery liquid metal—to extract gold from ore, because it is inexpensive and easy to use.¹¹⁵ In Mali, amalgamation is often carried out by women and children (girls and boys).¹¹⁶ Mercury is mixed into the ground-up, sandy ore and binds to the gold, creating an amalgam. After the amalgam has been recuperated from the sandy material, it is heated to evaporate the mercury, leaving gold behind.

The use of mercury in Mali’s artisanal mining sites put child laborers at grave risk of mercury poisoning, primarily through mercury vapor. Mercury is a toxic substance that attacks the central nervous system and is particularly harmful to children.¹¹⁷

Of the 33 children interviewed working in artisanal mining, 14 said they were themselves carrying out amalgamation. The youngest was six years old.¹¹⁸ Susanne D., 11, told us how she works with mercury:

Once the ore is panned, you put a bit of mercury in. You rub the ore and the mercury with your two hands. Then, when the mercury has attracted the gold, you put it on a metal box and burn it. When I have finished, I sell the gold to a trader. I do this daily. I usually get about 500 CFA francs

¹¹³ Human Rights Watch interview with Aminata C., age 13, Baroya, April 3, 2011.

¹¹⁴ UNIDO/Global Mercury Project, “Manual for Training.”

¹¹⁵ On the use of mercury in artisanal mining globally and in Africa, see Kevin H. Telmer and Marcello M. Veiga, “World Emissions of Mercury from Artisanal and Small Scale Gold Mining”, 2008, <http://www.mercurywatch.org/userfiles/file/Telmer%20and%20Veiga%202009%20Springer.pdf> (accessed August 11, 2011); Samuel J. Spiegel, “Socioeconomic dimensions of mercury pollution abatement: Engaging artisanal mining communities in Sub-Saharan Africa”, *Ecological Economics*, vol. 68 (2009), pp. 3072-3082. For the situation in Mali, see Fondation du Sahel pour le Développement, “Etude sur le mercure: cas de l’orpaillage traditionnel dans le cercle de Kangaba,” November 2010.

¹¹⁶ Human Rights Watch interview with seven women gold miners, Sensoko, April 4, 2011; Human Rights Watch interview with Dorine S., woman gold miner, Tabakoto, April 2, 2011.

¹¹⁷ For more details on the health impact, see section below.

¹¹⁸ Human Rights Watch interview with Mamadou S., estimated age six, Baroya, April 3, 2011.

(equivalent of US\$ 1.08) for the gold... I know mercury is dangerous, but I don't know [understand] how. I do not protect myself. On some days I do the amalgamation with my mother, on others by myself.¹¹⁹

None of the children we spoke with knew why mercury is dangerous or how to protect themselves. Some had never heard at all that there is any health risk associated with the use of mercury. Fatimata N., a girl from Burkina Faso, told us:

I started gold mining at a small age. I pan for gold, I also work with mercury. I put the mercury in with the sand and the water. I mix it with my bare hands. Then I put the mercury in my *pagne* [a wrap-around skirt she wears]. The mercury that I squeeze out, I keep it in a small plastic bag. I also burn it. I have never heard that this is unhealthy. I work with mercury every day.¹²⁰

Some artisanal miners consider mercury a powerful, magic substance. Mohamed S., 16, who carries out amalgamation, explained:

No one has ever told me that mercury is dangerous. We are told that it has magic powers... to capture the gold out of minerals. We work without any protection here.... This work exhausts me and often makes me sick—I have stomachaches, malaria, and cough. When I tell my father about these sicknesses, he gives me extracts from traditional plants.¹²¹

Although mercury is a dangerous product under Malian government regulations, the mercury trade is flourishing. Frequently gold traders also deal in mercury. Traders told us that they receive mercury from countries in the subregion, notably Ghana and Burkina Faso.¹²² Mercury traders are present in gold mining areas and sell mercury on site. Human Rights Watch learned of one town where mercury was even sold in a shop that had about 25 kilograms of mercury in stock.¹²³ In some areas, traders provide mercury for free to the miners, so miners will sell the gold to them.

¹¹⁹ Human Rights Watch interview with Susanne D., age 11, Worognan, April 8, 2011.

¹²⁰ Human Rights Watch interview with Fatimata N., estimated age 15, Worognan, April 9, 2011.

¹²¹ Human Rights Watch interview with Mohamed S., age 16, Baroya, April 3, 2011.

¹²² Human Rights Watch interview with gold trader, Kéniéba, April 1, 2011; Human Rights Watch interview with gold trader, Kéniéba, April 4, 2011; Human Rights Watch interview with seven women gold miners, Sensoko, April 4, 2011; Human Rights Watch interview with gold trader, Worognan, April 9, 2011.

¹²³ Local NGO interview with shop owner, Kéniéba area, April 2, 2011.

Mercury traders provide mercury directly to children. Mariam D. in Worognan said:

I work with mercury and touch it. The mercury, I was given by a trader.... He said mercury was a poison and we shouldn't swallow it, but he didn't say anything else... I am very tired when I work there [at the mine].¹²⁴

Another boy told us that he received mercury from the local trader. Oumar K. said he mixes mercury and the sandy ore and then takes the amalgam back to the trader, who burns it while Oumar K. watches. Asked about health risks, he said that he did not know that mercury is dangerous.¹²⁵

Mercury Poisoning of Children in Artisanal Mines—an “Invisible Epidemic”

Mercury, a toxic substance that attacks the central nervous system, is particularly harmful to children. It can cause, among other things, developmental problems. There is no known safe level of exposure.¹²⁶ Mercury can also attack the cardiovascular system, the kidneys, the gastrointestinal tract, the immune system, and the lungs. Symptoms of exposure to mercury include tremors, twitching, vision impairment, headaches, and memory and concentration loss. Higher levels of mercury exposure may result in kidney failure, respiratory failure, and even death. The chemical can also affect women's reproductive health, for example by reducing fertility and leading to miscarriages.¹²⁷ Most people are exposed to dangerous levels of mercury either through inhalation of mercury vapor or through the consumption of mercury-contaminated fish.¹²⁸

Artisanal miners, including child laborers, are exposed to mercury through the inhalation of vapors that develop when the amalgam is smelted. They are also exposed to mercury through skin contact, though the health risk is less severe compared to inhalation of mercury vapor.¹²⁹ Researchers have described mercury intoxication an “invisible epidemic.”¹³⁰

¹²⁴ Human Rights Watch interview with Mariam D., age 11, Worognan, April 8, 2011. The trader was probably ill-informed himself, since he did not mention that the most severe risk stems from inhalation of mercury vapor; swallowing metallic mercury is usually less dangerous.

¹²⁵ Human Rights Watch interview with Oumar K., estimated age 14, Sensoko, April 4, 2011.

¹²⁶ Stephan Bose-O'Reilly et al., “Mercury Exposure and Children’s Health,” *Current Problems in Pediatric and Adolescent Health Care*, vol. 40, (2010), pp. 186-215.

¹²⁷ “Mercury Toxicity and How it Affects Our Health”, 1998, <http://www.mercurysafety.co.uk/hlthinfo.htm> (accessed September 8, 2011)

¹²⁸ Marcello Veiga and Randy Baker, “Protocols for Environmental and Health Assessment of Mercury Released by Artisanal and Small-Scale Gold Miners”, Global Mercury Project, 2004, pp. 68-74.

¹²⁹ *Ibid.*

¹³⁰ Samuel J. Spiegel, “Occupational Health, Mercury Exposure, and Environmental Justice: Learning from Experiences in Tanzania”, *American Journal of Public Health*, vol. 99, supplement 3, (2009), pp. 550-558.

Although there are no studies on Malian children, a study on mercury exposure of children in artisanal gold mines in Indonesia and Zimbabwe found that children living in the mines had significantly higher levels of mercury in their blood, hair, and urine than those living elsewhere.¹³¹ Child laborers—those living in the mining area and working with mercury—had the highest level of mercury concentration in blood, hair, and urine. They also showed symptoms of mercury intoxication, such as coordination problems (ataxia), tremors, and memory problems. The main cause for this was the exposure to mercury vapors when burning the amalgam to recover the gold.¹³²

Mercury is particularly harmful to unborn babies and infants, and can be transmitted in utero and through breast milk. It is therefore of concern that women miners work with mercury when they are pregnant or breastfeeding.¹³³ In addition, small children inhale the mercury vapor when they are present near amalgamation sites, either at the mine or in the home. During one visit, we observed a woman with a baby on her lap assisting another woman with amalgamation by holding the mercury in her hands.¹³⁴

Children are also exposed to mercury through contaminated waters and the consumption of fish that live in them.¹³⁵ Women miners in Sensoko told us that they regularly empty the water used for amalgamation into the river.¹³⁶ This is dangerous because in water, mercury may convert into its most toxic form, methylmercury, which accumulates in fish and reaches the population through fish consumption.¹³⁷ In Worognan, Human Rights Watch researchers observed how artisanal miners empty water on the ground, right next to houses, after being used for amalgamation. A local gold trader confirmed that it was a common practice to empty water on the ground in residential areas.¹³⁸

¹³¹ Stephan Bose-O'Reilly et al., "Mercury as serious health hazard for children in gold mining areas," *Environmental Research*, vol. 107, (2008), pp. 89-97.

¹³² Ibid. See also ILO, *Children in hazardous work. What we know. What we need to do*, pp. 32-36.

¹³³ Stephan Bose-O'Reilly et al., "Mercury Exposure and Children's Health," pp. 190-191.

¹³⁴ Human Rights Watch visit to Baroya mine, April 3, 2011.

¹³⁵ Stephan Bose-O'Reilly et al., "Mercury Exposure and Children's Health," pp.188-189; Blacksmith Institute/Green Cross Switzerland, "World's Worst Pollution Problems Report 2010. Top Six Toxic Threats," 2010, pp. 33-38, <http://www.gci.ch/communication/publications> (accessed July 8, 2011). Mercury in its organic form accumulates in fish, which is a source of food in Malian mining areas.

¹³⁶ Human Rights Watch interview with seven women gold miners, Sensoko, April 4, 2011.

¹³⁷ Veiga and Baker, "Protocols", p. 67.

¹³⁸ Human Rights Watch interview with gold trader, Worognan, April 9, 2011.

The Use of Mercury in Artisanal Mining: A Global Toxic Threat

Mercury is used by artisanal miners in at least 70 countries around the world including countries across the Sahel gold belt. There are 13 to 15 million artisanal miners working worldwide who risk being directly exposed to mercury; many of them are women and children.¹³⁹ The chemical is affecting the environmental health of many more people globally. An estimated 1,000 tonnes of mercury are released from artisanal miners each year—around 400 tonnes go into the atmosphere, and around 600 tonnes are discharged into rivers, lakes, and soil. China, Indonesia, and Colombia are among the countries with the highest estimated emissions.¹⁴⁰

Mercury is the cheapest and easiest gold extraction method. Mercury-free gold extraction methods require more capital, training, and organization than many artisanal miners have access to. Industrial mines have phased out the use of mercury and switched to cyanide processing, which poses another set of serious health risks. Occasionally cyanide has been promoted as an alternative to mercury for artisanal miners, and resulted in the parallel use of both mercury and cyanide. This is particularly dangerous, as cyanide can exacerbate mercury's negative impacts on the environment.

In the absence of a safe and practicable mercury-free alternative, several methods are being promoted by the UN and NGOs to reduce the use of and exposure to mercury, such as emission-reducing technology (small containers that retain mercury vapor, known as retorts, or fume hoods), recycling mercury, and methods to concentrate the gold before amalgamation.¹⁴¹ In recognition of the global threat posed by mercury, a global treaty for the reduction of mercury is underway and scheduled for adoption in 2013.¹⁴²

¹³⁹ Blacksmith Institute/Green Cross Switzerland, "World's Worst Pollution Problems Report 2010. Top Six Toxic Threats."

¹⁴⁰ Kevin H. Telmer and Marcello M. Veiga, "World Emissions of Mercury from Artisanal and Small Scale Gold Mining"; Kevin Telmer, "Mercury in ASM, Extent, Causes and Solutions," powerpoint presentation, 2009.

¹⁴¹ Kevin H. Telmer and Marcello M. Veiga, "World Emissions of Mercury from Artisanal and Small Scale Gold Mining," p.164; Samuel J. Spiegel, "Socioeconomic dimensions of mercury pollution abatement."

¹⁴² See section VII below.

“Everything Hurts:” Other Health Consequences of Child Labor in Artisanal Gold Mining

Respiratory Diseases

Children in mining areas suffer from respiratory diseases, ranging from bronchitis to pneumonia and tuberculosis (TB).¹⁴³ In the mining areas, respiratory diseases are partly caused by the dust emanating from artisanal mines during the work process, and can affect child laborers as well as other children living in the vicinity. Mory C., an 11-year-old boy from Baroya, complained:

In the mine, I transport the ore from the shaft to the panning [place].... Most often, I have pain in the joints and in the chest.¹⁴⁴

Respiratory diseases are common among miners around the globe, and one disease, silicosis, has been specifically associated with mining.¹⁴⁵ Doctors in Mali do not have the equipment and capacity to diagnose silicosis, so there are no data on the prevalence of silicosis for the country.¹⁴⁶

Musculoskeletal Problems

Of 33 child laborers interviewed, 21 said that they suffered from back pain, neck pain, headaches, or pains in their arms, hands, or joints. Digging, pulling, lifting, and carrying heavy ore caused such pain. For example, Oumar K. complained about the health consequences of digging shafts, working underground, and pulling up heavy buckets:

When you leave the mine and you arrive home, everything hurts, particularly your chest and back. I’ve also had some problems with breathing, I would sometimes cough.¹⁴⁷

Such hard labor can affect children’s long-term growth, leading to skeletal deformation of the back and neck, and accelerating joint deterioration.¹⁴⁸

¹⁴³ Human Rights Watch interview with Dr. Keita Ntji, CSREF Kolondiéba, at group interview with préfet and six officials, Kolondiéba, April 8, 2011; Human Rights Watch interview with private doctor, Kéniéba, April 4, 2011; Human Rights Watch interview with Dr. Coulibaly, CSREF, Kéniéba, April 2, 2011; Local NGO interview with nurse, CSCOM, Tabakoto, Kéniéba, April 2, 2011.

¹⁴⁴ Human Rights Watch interview with Mory C., age 11, Baroya, April 3, 2011.

¹⁴⁵ Brendan Girdler-Brown et al., “Three Decades of Silicosis: Disease Trends at Autopsy in South African Gold Miners,” *Environmental Health Perspectives*, no. 118, vol. 3 (2010), p. 421.

¹⁴⁶ HRW interview with pulmonologist, Hospital Point G, Bamako, March 29, 2011.

¹⁴⁷ Human Rights Watch interview with Oumar K., estimated age 14, Sensoko, April 4, 2011.

Extended periods of bending over to dig or pan, and repetitive movements, such as crushing rock with manual tools, can result in similar pain and in long-term physical consequences.¹⁴⁹

Injuries from Accidents

Children in mining areas risk injury from sharp tools, flying and falling rock, and frequently collapsing shafts. For example, in February 2011, a 15-year-old boy in Tabakoto cut himself with a hoe in the tibia (shinbone).¹⁵⁰ Children crushing stone may be cut by flying rock shards or cut themselves with tools.¹⁵¹

The transport of ore can also lead to accidents, as is illustrated by the experience of Mamadou S., who was about six years old:

Once I had an accident. I injured my finger. I wanted to carry a rock and it fell on my foot. I was taken to the health center. This happened about two months ago.¹⁵²

The father of Mamadou S. insisted that work in the mine was good for the education and training of his son, and claimed that Mamadou was four years old.¹⁵³

Child laborers sometimes fall down shafts when they work underground, or fall while climbing down or up, as do adults.¹⁵⁴ A nurse in Tabakoto treated an 11-year-old boy who fell into a shaft and fractured his hand.¹⁵⁵

As described above by Oumar K., a child laborer, shafts do collapse.¹⁵⁶ These frequently result in fractures, open wounds, back injuries, and other injuries, and can even lead to death.¹⁵⁷ A doctor in Kolondiéba circle noted that there are shaft collapses in

¹⁴⁸ ILO, *Children in hazardous work. What we know. What we need to do*, (Geneva: ILO 2011), http://www.ilo.org/wcmsp5/groups/public/@dgreports/@dcomm/@publ/documents/publication/wcms_155428.pdf (accessed August 12, 2011).

¹⁴⁹ Ibid.; ILO; *Girls in Mining*, p. 7.

¹⁵⁰ Local NGO interview with nurse, CSCOM, Tabakoto, Kéniéba, April 2, 2011.

¹⁵¹ ILO, *Girls in Mining*, p.3-5; ILO, *Children in hazardous work*.

¹⁵² Human Rights Watch interview with Mamadou S., estimated age six, Baroya, April 3, 2011.

¹⁵³ Human Rights Watch interview with father, Baroya, April 3, 2011.

¹⁵⁴ Human Rights Watch interview with private doctor, Kéniéba, April 4, 2011; Human Rights Watch interview with Oumar K., estimated age 14, Sensoko, April 4, 2011.

¹⁵⁵ Local NGO interview with nurse, CSCOM, Tabakoto, Kéniéba, April 2, 2011.

¹⁵⁶ See section III.

¹⁵⁷ Human Rights Watch interview with health worker, CSCOM, Kéniéba, April 3, 2011; Human Rights Watch interview with Dr. Coulibaly, CSREF, Kéniéba, April 2, 2011.

Mpékadiassa and Worognan mines every month, although Human Rights Watch has not been able to verify this.¹⁵⁸

Several cases of mine collapses illustrate the potential danger for child laborers, even though no children were affected in these incidents. In April 2010, an adult died at a Kéniéba mine when his head was smashed during a shaft collapse, and two others died from other shaft collapses in the area during the same year.¹⁵⁹ At least three workers were killed in a shaft collapse in Worognan mine in late 2010 or early 2011, spreading fear among many workers. While the mayor put the number of victims at three and tried to downplay the incident, other workers at the mine said that the number of victims could have been higher.¹⁶⁰ A Ministry of Labor official also witnessed a shaft collapse during a visit to a mine in Kéniéba region.¹⁶¹

Even children who do not participate in the gold mining visit the mines and are exposed to risks. This includes children who are taken by their parents to the mine due to lack of childcare. Older siblings faced the difficult task of protecting younger siblings from falling into shafts and other accidents.¹⁶² A doctor in Kéniéba treated two children who fell into a shaft in a mine near Kéniéba. The children were around five and six years old.¹⁶³ In Baroya, a boy of about three years fell into a shaft and injured his arm.¹⁶⁴

Working Hours and Pay: Between Family Support and Exploitation

Working Hours

The children we interviewed said work days often lasted for as long as 11 hours, from 7 or 8 a.m. to about 6 p.m.¹⁶⁵ An ILO study on child labor in artisanal mining in Mali found that children averaged nine hours of work a day.¹⁶⁶ The work day is nearly continuous. For example, Haroun C., 12, who has never attended school, told Human Rights Watch that he works at the

¹⁵⁸ Human Rights Watch interview with Dr. Keita Ntji, CSREF Kolondiéba, at group interview with *préfet* and six officials, Kolondiéba, April 8, 2011.

¹⁵⁹ Human Rights Watch interview with private doctor, Kéniéba, April 4, 2011.

¹⁶⁰ Human Rights Watch interview with mayor, Worognan, April 8, 2011; Human Rights Watch interview with Ibrahim K., age 15, Worognan, April 9, 2011. Human Rights Watch interview with Binta M., age 15, April 9, 2011.

¹⁶¹ Human Rights Watch interview with Boucary Togo, director of the National Unit to Combat Child Labor, Bamako, March 29, 2011.

¹⁶² Human Rights Watch interview with private doctor, Kéniéba, April 4, 2011.

¹⁶³ Human Rights Watch interview with Dr. Coulibaly, CSREF, Kéniéba, April 2, 2011.

¹⁶⁴ Human Rights Watch interview with Lansana K., 13, Baroya, April 3, 2011.

¹⁶⁵ Human Rights Watch interview with Issa S., age 12, Tabakoto, April 2, 2011; Human Rights Watch interview with Salif E., age 15, Worognan, April 9, 2011.

¹⁶⁶ ILO, "Etude transfrontalière sur le travail des enfants dans l'orpaillage," p. 39.

mine from 9 a.m. to 7 p.m., and that his joints hurt him at night.¹⁶⁷ Some children said they took lunch breaks or rested for a moment when they felt exhausted or in pain.¹⁶⁸

Artisanal mines usually have one day of rest per week for everyone, including children. This is thought of as a day for the spirits of mining.¹⁶⁹

Some child laborers attend school, but work full days in gold mining during holidays and weekends. They sometimes also work at the mines after school or skip lessons to go the mines.¹⁷⁰ Of 33 child miners interviewed, 16 went to school. Most of these children were younger and attended primary school. One child laborer who attends school was 12-year-old Issa S., who complained the impact of long work hours on his health:

I work here with my father. I pull up the buckets with ore. It is ore mixed with water. During school holidays, I am here every day from 7am to 6.30pm, except Monday [rest day].... I started working here when I was 10. My job has always been to pull the buckets up.... I have backaches from the heavy loads, on the lower back. It is really heavy. I would really like to stop. I don't have a break apart from lunch break.¹⁷¹

Pay

Children who work in artisanal mines are often not paid. If they do get paid, they give most of the money to their parents or guardians; adolescents who are by themselves often send money to their parents. When children work for people other than their parents, they face an additional risk of abuse and exploitation.

Children's Economic Contribution towards Their Own Family

Many children contribute to the production process but do not obtain the gold at the end of it. Their work is considered part of a group work product.¹⁷²

¹⁶⁷ Human Rights Watch interview with Haroun C., age 12, Tabakoto, April 2, 2011.

¹⁶⁸ Human Rights Watch interview with Djibril C., age 15, Worognan, April 8, 2011; Human Rights Watch interview with Susanne D., 11, Worognan, April 8, 2011.

¹⁶⁹ ILO, "Etude transfrontalière sur le travail des enfants dans l'orpaillage," p. 39; Human Rights Watch interview with representative of RAC, Kéniéba, April 2, 2011.

¹⁷⁰ Human Rights Watch interview with Nanfadima A., estimated age 11, Tabokoto, April 2, 2011; Human Rights Watch interview with seven women gold miners, Sensoko, April 4, 2011; Human Rights Watch interview with school director, Worognan, April 8, 2011.

¹⁷¹ Human Rights Watch interview with Issa S., age 12, Tabakoto, April 2, 2011.

¹⁷² The ILO study found that 55 percent of children working with their family are not paid. ILO, "Etude transfrontalière sur le travail des enfants dans l'orpaillage," p. 55. The study looked at the situation of children working with their parents and those living and working with other persons.

Some child laborers get paid. Pay is irregular, varies greatly, and is based on the amount of gold mined.¹⁷³ Most commonly, child laborers give the money to their parents or guardians, to add to the family income. Of 17 children who told us that they were earning money, 13 had to give it to their parents or guardians.¹⁷⁴

When parents are not present, children sometimes earn money to send it to them. One such child was Nanfadima A., 11, who said:

I live in Tabakoto with my uncle, the younger brother of my father. My parents are at another gold mine, further away.... I take the gold and bring it to the trader in Tabakoto. I give the money to my father. I get 2,000 or 3,000 CFA francs (about US\$4.36 to US\$6.54) for one piece of gold, say, two times per week.¹⁷⁵

A 15-year-old boy, Abdoulaye M., also sent money home:

I have come to earn money in Baroya. My parents are in Manantali, they told me to come here and look for money. So my older brother brought me here and he comes [regularly] to pick up the money that I have earned.¹⁷⁶

Another boy, Tiémoko K., 15, also earned money for his parents who lived far away. He was subjected to the same exploitative rules as adult artisanal miners, having to give two-thirds of his ore to another gold miner who is considered the owner of the shaft:

My parents are in Kita, I have come here to Baroya with the help of a friend of my father. I am here to earn money for my parents. I have been here about 12 months. I earn between 3,000 and 4,000 CFA francs (about \$6.54 to \$8.73) a day. ... I work for the owners of shafts. For every three bags we pull out, I get one.¹⁷⁷

¹⁷³ This was also the finding in a regional study: Save the Children, “Recherche sur les enfants travailleurs,” p. 51. It found that children “do not receive a salary but a meager amount depending on the mood of the employer.”

¹⁷⁴ This included two children who were told to earn money for school materials.

¹⁷⁵ Human Rights Watch interview with Nanfadima A., estimated age 11, Tabokoto, April 2, 2011. It was not clear whether her father picked up the money or how she otherwise sent him the money.

¹⁷⁶ Human Rights Watch interview with Abdoulaye M., age 15, Baroya, April 3, 2011.

¹⁷⁷ Human Rights Watch interview with Tiémoko K., age 15, Baroya, April 3, 2011.

Children Earning Their Own Money

Some adolescents earn money for themselves, particularly when they have migrated and live alone. Still, this was not always enough to survive. Ibrahim K., 15, said:

The problem is having enough food. If we don't have enough gold, we don't have enough money for food. Our team sells the gold to a dealer and we share the money.¹⁷⁸

Adolescents have occasionally earned a significant amount of money, and kept some of it for themselves. The prospect of earning money encouraged them to work in artisanal mining, while they were largely unaware of the risks. One boy, Julani M., told us that he once earned 30,000 CFA francs (about \$65) in two days, and that he bought clothes with the money.¹⁷⁹ Several adolescent girls told us proudly that they earned money. One of them, Fatimata N. from Burkina Faso, said that she had once earned 80,000 CFA francs (about \$174), and kept a portion to buy herself clothes. She concluded: “The work is good for me.”¹⁸⁰ Aïssatou S., 17, earned her own money and used it for her *trousseau* (clothes and other items for a wedding). She said:

I have got a little bit of money from the gold. Since the start here, I have earned about 40,000 CFA francs (about \$87). I have bought clothes and cups for my *trousseau* from it.¹⁸¹

Some parents also occasionally rewarded their children with small amounts of money or a decigram of gold. For example, Moussa S., who is six years old, sometimes gets 100 CFA francs (about \$0.21) as a gift from his father.¹⁸²

Children's Exploitation by Guardians

According to the ILO, about 20 percent of children in artisanal mining work for adults who are not their parents, such as an employer or a relative. This frequently results in economic exploitation.¹⁸³

¹⁷⁸ Human Rights Watch interview with Ibrahim K., age 15, Worognan, April 9, 2011.

¹⁷⁹ Human Rights Watch interview with Julani M., estimated age 16, Worognan, April 8, 2011.

¹⁸⁰ Human Rights Watch interview with Fatimata N., estimated age 15, Worognan, April 9, 2011. She sent most of the money to her parents in Burkina Faso.

¹⁸¹ Human Rights Watch interview with Aïssatou S., age 17, Worognan, April 9, 2011.

¹⁸² Human Rights Watch interview with Moussa S., age six, Baroya, April 3, 2011; Human Rights Watch interview with Hamidou S., estimated age eight, Baroya, April 3, 2011.

¹⁸³ ILO, “Etude transfrontalière sur le travail des enfants dans l'orpaillage,” p. 58.

One such case was Boubacar S., who lived with guardians. His biological parents were working somewhere else, and placed him with a family with whom they were acquainted. Boubacar said he earns about 1,000 CFA francs (about US\$2.18) per day and has to hand over his earnings to his guardian immediately. He told us in tears:

I was at school but my stepfather took me out. I left school about six months ago, at the beginning of the school year. On Mondays my stepfather requires me to make bricks. On other days, I work in the mine and give all the earnings to my stepfather. I get about 1,000 CFA francs per day. I give it all immediately to my stepfather.... I transport the ore from the shaft to the place where they put it into sacks. I use the cart with the donkey for this.... I was first or second in class together with another girl. I liked school.... There was also a problem that my step-parents had not paid the school fees. So I had to repeat second grade because of that, not because I was doing badly in school... The work is hard. I often have belly aches and headaches. I feel that the work is too much for me ... because of the weight. I am often bent over.... My parents are [gold miners] in another village.... My stepfather treats me as if I am not a human being.¹⁸⁴

Boubacar's teacher confirmed that the boy was treated badly by his stepfather. The stepfather had told him that he would not pay the school fees if the child refused to do the work he asked him to do.¹⁸⁵

Mariam D., the girl in Worognan who was very upset that her stepmother was taking the money she earned told Human Rights Watch:

My stepmother takes all the money they pay for me.... I don't get any money from the work, my stepmother gets it. She doesn't give me anything.¹⁸⁶

Trafficking

Conditions for child trafficking are ripe in Mali's artisanal mines because of exploitative labor conditions, as described above. Children who migrate without parents and work for other adults are particularly vulnerable to trafficking. According to the ILO, about two-

¹⁸⁴ Human Rights Watch interview with Boubacar S., estimated age 14, Sensoko, April 4, 2011. Boubacar first described his guardian as "father," then later explained that he was a guardian and not the biological father, and went on to call him a "stepfather".

¹⁸⁵ Human Rights Watch interview with teacher from Sensoko, Kéniéba, April 2, 2011

¹⁸⁶ Human Rights Watch interview with Mariam D., estimated age 11, Worognan, April 8, 2011.

thirds of child laborers surveyed in Malian artisanal mines are migrants.¹⁸⁷ A regional survey about artisanal mining found that 10 percent of child laborers in artisanal mines in Guinea, Mali, and Burkina Faso were foreigners from other West African countries who lived in the mines without their parents.¹⁸⁸

During our research, we met several children who were victims of exploitation and whose situations might have amounted to trafficking. One was Boubacar S., 14, from Sensoko, in the Kéniéba area, whose situation is described above.¹⁸⁹ He was living with guardians who treated him “as if I am not a human being.” They forced him to work in artisanal mining and brick making. His parents were gold miners who moved to another gold mine in Mali; they were not in contact with him.¹⁹⁰

Human Rights Watch also interviewed children from Burkina Faso and Guinea who might have been victims of trafficking. Salif E., 15, was sent from Burkina Faso to Mali by his parents, and travelled to Worognan mine with two other boys who were relatives. They were accompanied by the head of the Burkinabe community, who was Salif’s uncle, and they also worked for him.¹⁹¹ When we interviewed Salif, he had been in the mine for about three weeks and had not yet been paid.

Leaders of migrant communities play a key role in organizing life of the foreign mining workers.¹⁹² The head of the Burkinabe community in Worognan, Salif E.’s uncle, explained that around 60 persons were working for him. A local gold trader confirmed that he employed several children.¹⁹³

Coercion

The majority of children in child labor dislike the work they do, but do it to help their parents, according to a recent survey.¹⁹⁴ Even when children are not victims of trafficking, they often experience a degree of coercion when working in artisanal mining. The decision to send children to work in the mines—whether by themselves, with the family, or other

¹⁸⁷ ILO, “Etude transfrontalière sur le travail des enfants dans l’orpaillage,” pp. 34-35.

¹⁸⁸ Save the Children, “Recherche sur les enfants travailleurs,” pp. 37-38.

¹⁸⁹ See subsection on pay.

¹⁹⁰ Human Rights Watch interview with Boubacar S., estimated age 14, Sensoko, April 4, 2011.

¹⁹¹ Human Rights Watch interview with Salif E., age 15, Worognan, April 9, 2011.

¹⁹² ILO, “Etude transfrontalière sur le travail des enfants dans l’orpaillage,” p. 60.

¹⁹³ Human Rights Watch interview with head of Burkinabe community, Worognan, April 9, 2011; Human Rights Watch interview with gold trader, Worognan, April 9, 2011.

¹⁹⁴ ILO/IPEC, “Etude CAP,” p. 44.

guardians—is almost always made by parents, and children have little say in the matter. This situation of coercion gets worse when parents or guardians exert psychological pressure or threaten physical abuse.

Several children told us that they would like to leave gold mining work, if they could.¹⁹⁵ This was the case of Mariam D., whose stepmother made her work in the mine whenever there was no school and obliged her to hand over all the earnings. The girl was upset about this, but did not know how to get out of this situation. She told Human Rights Watch: “I don't want to work in the mines. I want to stay in school.”¹⁹⁶

Aminata C., who is 13 years old, said she panned for gold and amalgamated gold with mercury. Although her father gave her pain medicine when she suffered from the effects of the hard work, she said her father insisted that she continue working:

I want to get out of this work, but if I refuse to go to the mine, my parents beat me.¹⁹⁷

Hamidou S., who was about eight years old and in third grade, said:

I work on the mine during the holidays, usually every day from morning to evening. I dig shafts with a pickaxe. I also do childcare.... Sometimes my neck and back hurt because of the digging work.... My parents tell me to work at the mine.¹⁹⁸

In some cases, children feel they would like to leave the work, but cannot. In the above-mentioned ILO study, 39 percent of children interviewed stated that they could not stop and leave the gold mining work as they wish.¹⁹⁹

Other Child Labor in Mining Communities

The existence of artisanal gold mines often leads to the creation of small commercial centers. Children perform many other forms of child labor in these communities. Some work in artisanal gold mining and do other work at the same time.

¹⁹⁵ Human Rights Watch interview with Madjou, estimated aged seven, Tabakoto, April 2, 2011; Human Rights Watch interview with Mamadou S., estimated age six, Baroya, April 3, 2011; Human Rights Watch interview with Issa S., age 12, Tabakoto, April 2, 2011.

¹⁹⁶ Human Rights Watch interview with Mariam D., estimated age 11, Worognan, April 8, 2011.

¹⁹⁷ Human Rights Watch interview with Aminata C., age 13, Baroya, April 3, 2011.

¹⁹⁸ Human Rights Watch interview with Hamidou S., estimated age eight, Baroya, April 3, 2011.

¹⁹⁹ ILO, “Etude transfrontalière sur le travail des enfants dans l’orpaillage,” p. 58.

Agriculture and domestic labor are the most common forms of child labor in Mali.²⁰⁰ Boys frequently work in agriculture, sometimes leaving the mines during the harvest. Others work entirely in agriculture.²⁰¹

Many girls in mining communities do domestic labor, in their own families or the host families they live with.²⁰² While most of the domestic work is done in the home, some takes place at the mine. Women often take smaller children with them to the mine because they lack childcare, and use their older children to look after the small siblings.²⁰³ Children frequently have to carry younger siblings on their back, feed them, and protect them from injury. In one case, a mother told us that her four-year-old daughter was looking after her little sister in the mine.²⁰⁴

Children also work in other businesses. For example, they sell water or food, or make bricks or clothing.²⁰⁵ In addition, children are involved in sex work, one of the worst forms of child labor.²⁰⁶

Attitudes to Child Labor

Child labor is common and is widely accepted in Mali. A recent survey on attitudes towards child labor confirms that parents commonly view child labor as acceptable.²⁰⁷ Teaching a child how to mine gold is considered part of socialization.²⁰⁸ Government officials also told Human Rights Watch that child labor was part of Malian culture. A ministry official described child labor as “educative” (*socialisant*), as it teaches children the value of work.²⁰⁹

²⁰⁰ On child labor in Mali, see section I.

²⁰¹ Human Rights Watch interview with Abderrahmane S., age 14, Baroya, April 3, 2011; Human Rights Watch interview with Julani M., estimated age 16, Worognan, April 8, 2011; Human Rights Watch interview with Alexandre A., age 11, Worognan, April 8, 2011.

²⁰² Human Rights Watch interview with school director and teacher from Sensoko, Kéniéba, April 2, 2011; Human Rights Watch interview with Evelyne, age 9, Baroya, April 3, 2011; Human Rights Watch interview with Rokia K., age 13, Baroya, April 3, 2011; Human Rights Watch interview with Fanta D., age 12, Baroya, April 3, 2011; Human Rights Watch interview with Kadiatou K., age 11, Baroya, April 3, 2011. On child domestic labor in neighboring Guinea and the use of Malian girls there, see Human Rights Watch, *Bottom of the Ladder: Exploitation and Abuse of Girl Domestic Workers in Guinea*, June 2007, <http://www.hrw.org/en/reports/2007/06/14/bottom-ladder-o>.

²⁰³ Human Rights Watch interview with school director and two teachers, Baroya, April 3, 2011; Human Rights Watch interview with Moctar, age eight, Tabakoto, April 2, 2011; Human Rights Watch interview with Anne M., 10, Baroya, April 3, 2011.

²⁰⁴ Human Rights Watch interview with woman gold miner, Tabakoto, April 2, 2011.

²⁰⁵ Human Rights Watch interview with Binta M., age 15, Worognan, April 9, 2011; Human Rights Watch interview with Christine, age 17, Worognan, April 9, 2011; Human Rights Watch interview with Rokia K., age 13, Baroya, April 3, 2011.

²⁰⁶ On sex work, see section IV.

²⁰⁷ ILO/IPEC, “Etude CAP”, p. 46.

²⁰⁸ On child labor as social practice, see Loretta E. Bass, *Child Labor*.

²⁰⁹ Human Rights Watch interview with representative of the National Statistics Institute (INSTAT), Bamako, April 6, 2011. An official of the Mining Chamber spoke of child labor as “socialization.” Human Rights Watch interview with legal advisor, Mali Mining Chamber, Bamako, April 11, 2011.

We interviewed a miner who claimed to own gold worth well over US\$10,000. He sent his son Mamadou S. to the mine although he did not need the income. He said:

I let my son do this for education. [Mamadou] collects the stones and carries them.²¹⁰

Community leaders in Worognan emphasized what they saw as positive effect of children working in gold mining, namely that the community now had the means to buy larger items such as new roofs, bicycles, or machines for agriculture.²¹¹

²¹⁰ Human Rights Watch interview with father, Baroya, April 3, 2011; Human Rights Watch interview with Mamadou S., estimated age six, Baroya, April 3, 2011.

²¹¹ Human Rights Watch interview with village chief and elders, Worognan, April 8, 2011.

IV. Sexual Exploitation and Violence

Sexual Exploitation

Sexual exploitation is common in mining areas, particularly in large mines that bring together many different populations from within and outside Mali.²¹² Child prostitution is inherently harmful and a worst form of child labor under international law. International law also prohibits sexual exploitation.

Some girls self-identify as sex workers. NGOs working on HIV prevention and treatment in mining areas have reached out to adult and child sex workers in artisanal mines in the Sikasso and the Kayes region, including in large sites such as Alhamdoulaye and Massiogo in Kadiolo circle, M'Pékadiassa in Kolondiéba circle, and Hamdallaye in Kéniéba circle.²¹³

One NGO found that over 12 percent of the sex workers they worked with were between the ages of 15 and 19. It also found that the large majority of sex workers were foreigners, mostly from Nigeria and Côte d'Ivoire.²¹⁴

In Worognan mine, in the Sikasso region, women and girls, mostly Nigerians, worked as sex workers. Stella A., an 18-year-old sex worker, told us about the climate of violence in which she works:

I am from northern Nigeria. When I was 17, a woman brought me from Nigeria to Bamako and left me there. My sisters [Nigerian women] brought me here a month ago.... Some bars do have young girls, 12 years old.... We have to avoid the fights. Some men come and are bad to us. Some make us scared. They become aggressive when they're drunk.... There was no money in Bamako, but

²¹² Sexual exploitation of girls in mining areas is also common in many other countries. ILO, *Girls in Mining*, p. 6.

²¹³ Human Rights Watch interviews with representative of CLUEDUCA, May 27 and June 8, 2011; Human Rights Watch telephone interview with representative of Soutoura, June 30, 2011; Human Rights Watch telephone interview with representative of SOS SIDA, August 12, 2011; SOS SIDA, "Rapport d'activités de la campagne de sensibilisation dans les zones minières des cercles de Kadiolo et Sikasso," December 2009.

²¹⁴ These 15 to 19 year olds were 44 (of 357) sex workers who newly registered with the NGO during the second half of 2010. Collectif du Groupe d'Intervention au Mali pour la Promotion et le Développement Socio-sanitaire (CO-GIMPDS), "Rapport suivi monitoring. 2^{ème} semestre 2010," p. 10. Migration and trafficking of Nigerian women and girls is common in West Africa. "Côte d'Ivoire/Nigeria: Combat Trafficking for Prostitution", Human Rights Watch news release, August 26, 2010, <http://www.hrw.org/news/2010/08/26/c-te-d-ivoirenigeria-combat-trafficking-prostitution>.

it was safer. Here it's more dangerous and not much money [either]. I haven't been hurt but I'm scared. I would like there to be more police.²¹⁵

Mariam D., about 11 years old, worked in Worognan mine and described her surroundings:

There are prostitutes there, girls older than me. They go with the boys. I know some of the boys had hit the girls [sex workers] or hurt them.... I have seen fights at the mine, between men. The gendarmes have come, I saw them take a boy away in handcuffs, for hurting a girl.²¹⁶

Many girls engage in sexual relations to escape poverty, trading sex for food or other goods, without considering this sex work. Some of these girls come to work in small local businesses such as restaurants, but are encouraged by restaurant owners or other employers or guardians to engage in sexual relations.²¹⁷ An advisor to a village chief interviewed by Save the Children described the situation in a mine in Kadiolo circle:

What is worse is that all the young girls have even abandoned their apprenticeships in restaurants, and instead are selling goods on the street. And they sell the products on their plates as well as their body.²¹⁸

Traditional and local authorities in Kolondiéba circle have expressed concern about sexual exploitation in mines. A local government official responsible for social affairs complained about transient relationships masked as informal “marriages” between adult miners and girls or young women.²¹⁹

There is a heightened risk of HIV infection for girls who engage in sex work or multiple sexual relations. While HIV prevalence is only one percent in Mali, it is significantly higher among sex workers. HIV prevalence was at 35 percent among sex workers in 2006.²²⁰

²¹⁵ Human Rights Watch interview with Stella A., Worognan, April 9, 2011. Another sex worker and local *gendarmes* confirmed that there are underage girls working as sex workers in Worognan. However, we were unable to identify any child sex workers for interviews. The *gendarmerie* is part of the security force and sharing responsibility for internal security with the police. They are in charge of rural areas.

²¹⁶ Human Rights Watch interview with Mariam D., estimated age 11, Worognan, April 8, 2011.

²¹⁷ Save the Children, “Recherche sur les enfants travailleurs,” pp. 42-43.

²¹⁸ Save the Children, “Recherche sur les enfants travailleurs,” p. 39.

²¹⁹ Human Rights Watch group interview with *préfet* and six officials, Kolondiéba, April 8, 2011; Human Rights Watch interview with three *gendarmes*, Worognan, April 9, 2011.

²²⁰ Sex workers are defined as belonging to the “most-at-risk populations.” UNAIDS, “Global Report: UNAIDS report on the global AIDS epidemic 2010,” 2010, http://www.unaids.org/documents/20101123_GlobalReport_Annexes1_em.pdf, (accessed July 5, 2011), p. 242. There are no more recent figures, and also no specific figures on HIV among child sex workers.

Health workers and organizations working on HIV concur that mining areas are high-risk zones for HIV infection, due to the presence of a large number of sex workers and men without family.²²¹ However, there is no data on HIV prevalence in mining areas.

Sexual Violence

There have been some cases of rape in artisanal mining areas. Government officials in Kolondiéba circle described rape as common.²²²

In December 2010, an eight-year-old girl was raped in M’Pékadiassa mine (Kolondiéba circle), allegedly by a 53-year-old man.²²³ According to security forces, there had been several other recent cases of rape in M’Pékadiassa, including of girls.²²⁴ According to the gendarmerie, a 15-year-old girl was raped in Worognan mine in February 2011.²²⁵ A suspect was detained, but had not yet been tried when Human Rights Watch visited the mine.²²⁶

Gendarmes in Worognan said that the zone was frequently the scene of violence. They complained that they lacked staff and a building.²²⁷

²²¹ Human Rights Watch interviews with Mr. Samoura, CLUEDUCA, May 27 and June 8, 2011; Email communication from Mahamadou Camara, SOS SIDA, July 21, 2011; SOS SIDA, “Rapport d’activités”.

²²² Human Rights Watch group interview with *préfet* and six officials, Kolondiéba, April 8, 2011.

²²³ Gendarmerie de Kolondiéba, “Rape Statistics for Worognan and M’Pédiassa mining sites 2010-2011”, (Statistique des cas de viol dans les sites d’orpaillage de Worognan et M’Pédiassa 2010-2011), (on file with Human Rights Watch). Human Rights Watch does not have national-level statistics about sexual violence.

²²⁴ Human Rights Watch group interview with *préfet* and six officials, Kolondiéba, April 8, 2011; Human Rights Watch interview with three *gendarmes*, Worognan, April 9, 2011.

²²⁵ Gendarmerie de Kolondiéba, “Statistique des cas de viol dans les sites d’orpaillage de Worognan et M’Pédiassa, 2010-2011” (on file with Human Rights Watch).

²²⁶ Human Rights Watch interview with three *gendarmes*, Worognan, April 9, 2011.

²²⁷ Human Rights Watch interview with three *gendarmes*, Worognan, April 9, 2011.

V. Limited Impact: Policy and Program Responses to Child Labor and Abuse

The Malian government has the primary political and legal responsibility to address child rights violations in Mali. Mali's democratically elected government has shown its will to address human rights violations by ratifying a large number of international human rights instruments. However, government policies and programs on child labor and the rights of children have had a little impact because they lacked political and financial support, or have not been implemented.

International donors have an important role to play in supporting the government in the realization of rights. In 2009, the five top donors to Mali were the United States, the European Union, the African Development Bank, the World Bank, and China. Other important bilateral donors include France, Canada, the Netherlands, Germany, and Japan.²²⁸ While some donors are involved in initiatives relating to child labor and child protection, these areas have not received the attention they should.

UN agencies and NGOs are also addressing child labor and mining issues in Mali and other nations. While the ILO and NGOs have carried out some important programs in Mali, these have been limited in scope. Unfortunately, the ILO has failed to follow up on a global campaign for the elimination of child labor in artisanal mining, in which 15 governments pledged to end child labor in mining by 2015.

Government Action on Child Labor

In 2006, the government created a National Unit to Combat Child Labor in the Ministry of Labor (*Cellule nationale de lutte contre le travail des enfants*, hereafter referred to as Child Labor Unit). The unit has conducted studies on child labor and drawn up a list of hazardous labor which prohibits almost all gold mining activities for children, such as digging shafts, transporting rock, crushing and grinding ore, panning in water, and using mercury.²²⁹

²²⁸ Ministère de l'Economie et des Finances, "Rapport Final," January 2011, <http://www.oecd.org/dataoecd/61/1/47083517.pdf> (accessed August 9, 2011), p. 17. The policy framework for development aid is laid down in the government's "Growth and Poverty Reduction Strategy Framework." The current framework covers the period 2007-2011, and a new framework is currently being developed. Ministère de l'Economie et des Finances, "Elaboration du CSRP 2012-2017 et Préparation de la Revue du CSRP 2007-2011 portant sur l'Année 2010," May 2011, http://www.mali-apd.org/IMG/file/pdf/DOCUMENTS_CLES/1_CSCRPTDR_CSCRPTDR_2012_2017_Mai%202011.pdf (accessed August 9, 2011), p. 3.

²²⁹ See also section II.

However, the government's efforts to end child labor have been undermined by poor implementation of policies and have lacked a full political commitment from all government institutions. The Child Labor Unit operates somewhat in isolation and lacks funding as well as political support from other ministries.²³⁰ Efforts to curb child labor have also been hampered by the small number of labor inspectors in Mali.²³¹ Labor inspectors have been criticized for achieving little.²³² Besides, there have been very few labor inspections in the mining areas; the few that took place were requested and funded by the ILO.²³³

Most recently, the Child Labor Unit has led the drafting process for an action plan to combat child labor.²³⁴ The action plan for the elimination of child labor (*Plan d'action pour l'élimination du travail des enfants au Mali* or PANETEM) was adopted in June 2011. It seeks to eliminate the worst forms of child labor by 2015, and all child labor by 2020. During the first phase, it proposes to identify children working in the most hazardous jobs or who have been trafficked and withdraw them from these exploitative conditions. It also aims to provide these children with access to education, vocational training, and support, and to offer income-generating activities for concerned families. In addition, the action plan envisages a law on child trafficking, prosecution of child traffickers and those responsible for commercial sexual exploitation, and an increase of the minimum age of employment from 14 to 15 to comply with Mali's international commitments.²³⁵ Unfortunately, the action plan does not adequately address the disastrous health implications of child labor, including the use of mercury in artisanal gold mines. It also lacks a strategy towards companies who might benefit from child labor directly or through their supply chains.²³⁶

²³⁰ At the time of the creation of the Child Labor Unit, there was insufficient support in parliament for the institution, delaying a law on the unit by several years. Loi No. 10050 portant ratification de l'ordonnance mo.10-036/P-RM du 5 août 2010 portant création de la cellule nationale de lutte contre le travail des enfants, December 23, 2010. The law was adopted four years after the creation of the unit.

²³¹ There were 56 labor inspectors and 45 labor controllers in 2009. Email communication from Boucary Togo, director of the Nation Unit to Combat Child Labor, to Human Rights Watch, July 29, 2011.

²³² Human Rights Watch interview with international agency representatives, Bamako, February 15, 2011; US Department of Labor, "2009 Findings on the Worst Forms of Child Labor," 2010, <http://www.dol.gov/ilab/programs/ocft/pdf/2009OCFTreport.pdf> (accessed August 9 2011), pp. 417-425.

²³³ Human Rights Watch telephone interview with Boucary Togo, September 6, 2011; Human Rights Watch interview with Fatou Keita, ILO, Bamako, October 19, 2011.

²³⁴ Human Rights Watch interview with Boucary Togo, director of the National Unit to Combat Child Labor, Bamako, March 29, 2011.

²³⁵ Ministère du Travail et de la Fonction Publique, "Plan d'action national pour l'élimination du travail des enfants au Mali," April 2010, pp. 54-100. On the minimum age for employment, see section II.

²³⁶ "Mali: Enforce New Plan to Curb Child Labor," Human Rights Watch news release, June 15, 2011, <http://www.hrw.org/news/2011/06/15/mali-enforce-new-plan-curb-child-labor>.

Despite these shortcomings, the action plan has created an opportunity to improve the lives of over two million children working in harmful conditions in Mali. It remains uncertain whether the government itself will fully support the action plan, at the risk of hurting the interests of influential economic operators. The government also faces the challenge of securing sufficient financial support for the US\$100 million plan.²³⁷

Donor and NGO Programs on Child Labor

The Role of Donors in Addressing Child Labor

Most programs on child labor in Mali are donor-funded and have recently experienced drastic cuts. Until 2010, the US provided significant funding to ILO/IPEC in Mali, which implemented child labor programs through Malian partner NGOs.²³⁸ One ILO/IPEC program included a regional study on artisanal mining in Mali, Niger, and Burkina Faso, and efforts to withdraw children working artisanal gold mining in all three countries.²³⁹ Unfortunately, the US has stopped funding child labor programs in Mali since the start of 2011. This situation was not specific to Mali: US funding to IPEC programs around the world was reduced from US\$49 million in 2010 to US\$27 million in 2011.²⁴⁰

The European Commission (EC) has been another major donor for ILO/IPEC in Mali for several years, but has decided to cut funds. In 2011, the EC will fund ILO/IPEC in Mali with US\$202,000, less than half of its support in 2010.²⁴¹ The EC funds an ILO/ IPEC project called TACKLE, which aims to move children from work to school in Mali and 10 other countries, and which addresses child labor in mining.²⁴² Other bilateral and NGO donors also fund child labor programs in Mali, including the Netherlands and Spain.²⁴³

²³⁷ Email communication from Boucary Togo, director of the National Unit to Combat Child Labor, to Human Rights Watch, July 28, 2011.

²³⁸ International Labour Organization, "Supplement to the IPEC Implementation Report," March 2011, <http://www.ilo.org/ipecinfor/product/viewProduct.do?productId=16255> (accessed August 3, 2011), p. 26. In 2010, the US funded ILO/IPEC in Mali with US\$465,000; in 2011, it stopped funding ILO/IPEC in Mali.

²³⁹ US Department of Labor, "ILAB in Mali", undated, <http://www.dol.gov/ilab/map/countries/mali.htm> (accessed August 9, 2011); ILO, "Evaluation Summaries; Support for the Preparation of the Mali Time-Bound Programme," undated, http://www.ilo.org/wcmsp5/groups/public/---ed_mas/---eval/documents/publication/wcms_126888.pdf (accessed August 9, 2011).

²⁴⁰ ILO, "Supplement," p. 31.

²⁴¹ ILO, "Supplement," p. 26.

²⁴² ILO, "Tackle child labor through education: moving children from work to school in 11 countries," undated, www.ilo.org/ipecinfor/product/download.do?type=document&id=8511 (accessed August 14, 2011)

²⁴³ ILO/IPEC, *IPEC action against child labour – Highlights 2010*, (Geneva: ILO, 2011), <http://www.ilo.org/ipecinfor/product/viewProduct.do?productId=15735> (accessed August 9, 2011); Human Rights Watch interview with Fatou Keita and Almoustapha Touré, ILO/IPEC, Bamako, March 31, 2011.

Programs to End Child Labor in Artisanal Mining

Several Malian NGOs run programs that aim to withdraw children from child labor in artisanal gold mining, improve access to education, and raise awareness around child labor in mining communities. Some of these projects are funded by the above-mentioned donors.

The NGO Réseau d'Appui et de Conseils (RAC) has implemented several successful programs with ILO/IPEC in support of child laborers in Kéniéba's artisanal gold mines. The NGO has succeeded in withdrawing over 1,300 children from work in artisanal mining, and has boosted access to education in artisanal mining communities (see box).²⁴⁴ More recently, ILO/IPEC also started working with an NGO, Jiekatanie, on child labor in Sikasso's artisanal mines.²⁴⁵

However, donors only provide funding for limited periods and for specific projects. As ILO/IPEC funds come to an end, there is a risk that communities will lack support, and that children who have stopped working in artisanal mining will start again.

An Education Project in Artisanal Mining Areas

As part of its global program to end child labor through education, ILO/IPEC has developed a program in several artisanal mining communities around Kéniéba, together with its partner NGO Réseau d'Appui et de Conseils (RAC).²⁴⁶ This program could serve as a model for similar efforts elsewhere.

In three villages in the Kéniéba area, ILO/IPEC and RAC renovated old school buildings or built new ones, built nurseries and hired nursery staff, provided furniture and education material, hired nursery teachers, and established free school meals. Beyond this immediate support, ILO/IPEC and RAC helped create a more supportive environment for the school. They raised awareness around child labor in the community through large meetings and radio spots and strengthened school management committees charged with running the school locally.²⁴⁷

²⁴⁴ Réseau d'Appui et de Conseils (RAC), "Rapport d'activités 2009", Bamako, March 2010; Human Rights Watch interview with Fouta Keita, ILO/IPEC Mali, February 15, 2011; See details of a RAC project below, in section VI.

²⁴⁵ Human Rights Watch interview with Fatou Keita and Almoustapha Touré, ILO/IPEC, Bamako, March 31, 2011; Human Rights Watch interview with representative of Jiekatanie, Kolondiéba, April 7, 2011.

²⁴⁶ ILO, "Tackle child labor through education." For a critical perspective, see Gavin Hilson, "'A load too heavy:': Critical reflections on the child labor problem in Africa's small-scale mining sector, *Children and Youth Services Review*, vol. 30 (2008), pp. 1233-1245.

²⁴⁷ School management committees were established under the decentralized education system to manage primary schools, and are composed of parents. They are given technical assistance, such as training and financial management, by education authorities at district level called *centres d'animation pédagogique*, or CAP. See also section VII. on education.

They also worked closely with community leaders and local government authorities to garner their support. Community leaders in each village signed a pledge that they will send their children to school and support the village school.²⁴⁸ The project also supported the issuance of birth certificates by the local administration and urged authorities to start supporting community schools in the area, thus making a transition from community to public school.

When the project started, enrolment rates were low. The school director in Baroya village told Human Rights Watch:

Before [the project started], the population said this school is a haunted place. There was one child in sixth grade. Then, RAC really built this school up.²⁴⁹

In Sensoko, the number of pupils rose from 36 in 2007 to 97 in 2010, according to RAC. In addition, the newly-opened nursery had 64 children. The director of the school said:

The change started in 2009. Then, few children went to school. Now, around 65 percent go to school. Before, perhaps 10 percent went to school.²⁵⁰

Overall, ILO and RAC found that 424 children were victims of the worst forms of child labor in just these three villages and assisted them in leaving work and getting access to education. The project also found that a much larger number of children were at risk of doing child labor, and provided 1,360 children with material for school.²⁵¹

The ILO's "Minors out of Mining" Initiative: Hollow Commitments?

In 2005, the ILO started a major campaign to combat child labor in artisanal mining worldwide. It brought together governments, trade unions, and employers from around the world to join its call for "Minors out of Mining!" with the goal of eliminating child labor in mining by 2015.²⁵² It included a detailed program of action, including regularization of small-scale mining operations and activities to withdraw children found to be working in mining.

²⁴⁸ Human Rights Watch interview with representative of RAC, Kéniéba, April 2, 2011; Human Rights Watch interview with representative of ILO Mali, Bamako, April 12, 2011; Human Rights Watch interview with school director and two teachers, Baroya, April 3, 2011; Human Rights Watch interview with village chief and community leaders, Baroya, April 3, 2011; Human Rights Watch interview with school director and teacher from Sensoko, Kéniéba, April 2, 2011.

²⁴⁹ Human Rights Watch interview with school director and two teachers, Baroya, April 3, 2011.

²⁵⁰ Human Rights Watch interview with school director and teacher from Sensoko, Kéniéba, April 2, 2011.

²⁵¹ RAC, "Rapport synthétique sur les activités réalisées dans le cadre du PA1/Tackle du 11 avril 2009 au 31 mars 2011", June 2011; Human Rights Watch interview with Fatou Keita, ILO/IPEC, Bamako, April 12, 2011.

²⁵² ILO/IPEC, *Minors out of mining! Partnership for global action against child labor in small-scale mining*, (Geneva: ILO 2006).

In June 2005, 15 countries, including Mali, publicly committed to the goal of eliminating child labor in mining by 2015, and signed a pledge to this effect.²⁵³ In addition, the US government, the Ghanaian government, the International Federation of Chemical, Energy, Mine and General Workers' Unions (ICEM), and the International Council on Mining and Metals (ICMM), an association of mining companies, pledged to support the ILO and governments in their efforts to eliminate child labor in mining.²⁵⁴

Sadly, the initiative fizzled with no concrete achievements or follow-up. ILO has complained about a lack of commitment among some of the signing parties, including a change of leadership in the workers' and employers' associations. ILO/IPEC has also complained about a lack of funding for work on child labor in mining.²⁵⁵ Six years later, the initiative is largely forgotten.²⁵⁶

Efforts to End Child Abuse and Trafficking

While the government has taken some steps to deal with child abuse and trafficking, the capacity of the government to prevent such child rights violations is very limited, and the child protection system in Mali is not fully functional.²⁵⁷

In 1999, the government established the National Directorate for Child and Family Support, but the directorate has a vague legal mandate to develop and carry out “programs and action plans in support of children and the family.”²⁵⁸

The directorate has conducted a study on child abuse and runs two shelters in Bamako for abuse victims.²⁵⁹ However, the directorate only addresses cases in an ad-hoc manner. Rural areas such as mining zones are far removed from its reach. Most existing child protection work, including efforts to prevent child abuse and trafficking, is undertaken by

²⁵³ The other countries who signed the pledge were Brazil, Burkina Faso, Colombia, Côte d'Ivoire, Ecuador, Ghana, Mongolia, Nicaragua, Pakistan, Peru, Philippines, Senegal, Tanzania, and Togo.

²⁵⁴ ILO/IPEC, *Minors out of mining!*, p. 12.

²⁵⁵ Email communication from Susan Gunn, ILO/IPEC, to Human Rights Watch, August 8, 2011.

²⁵⁶ Human Rights Watch telephone interview with Nick Grisewood, Global March Against Child Labor, May 26, 2011.

²⁵⁷ Human Rights Watch interview with Ayouba Gouanlé, deputy director Direction nationale de la promotion de l'enfant et de la famille, Bamako, March 30, 2011. For a definition of child protection, see UNICEF, “Strengthening child protection systems”, 2010, http://www.unicef.org/protection/index_52852.html (accessed September 5, 2011).

²⁵⁸ Ordonnance no. 99-010/PM-RM portant création de la direction nationale de la promotion de l'enfant et de la famille, April 1, 1999.

²⁵⁹ A study by the Directorate identified around 32,000 victims of exploitation and abuse in Mali. Human Rights Watch interview with Ayouba Gouanlé, deputy director Direction nationale de la promotion de l'enfant et de la famille, Bamako, March 30, 2011.

NGOs and community-based organizations, but even these organizations rarely work in mining areas.²⁶⁰

In recent years, the Malian government and its neighbors have made some efforts to combat trafficking in West Africa, laid out in the 2006 ECOWAS Plan of Action Against Trafficking in Persons.²⁶¹ NGOs cooperate with the Malian police and UN agencies in identifying trafficking victims and in some cases return them to their home country.²⁶² However, there have been few prosecutions.²⁶³

In some artisanal mining areas, NGOs have created local vigilance committees.²⁶⁴ The committees composed of a range of actors—teachers, local authorities, and civil society actors—that carry out awareness-raising and prevention activities on trafficking in the community. Unfortunately, studies have observed that local vigilance committees in Mali’s rural areas have sometimes prevented migration altogether, rather than differentiating between migration and trafficking, curtailing children’s right to freedom of movement, and in some cases repatriating them against their will.²⁶⁵

²⁶⁰ Human Rights Watch interview with Ayouba Gouanlé, deputy director Direction nationale de la promotion de l’enfant et de la famille, Bamako, March 30, 2011; Human Rights Watch interview with representatives of Environnement et Développement du Tiers Monde (ENDA) and Réseau d’action Fodé et Yagine (RAFY), Bamako, February 14, 2011.

²⁶¹ Conférence ministérielle conjointe CEDEAO/CEEAC sur la lutte contre la traite des personnes, “Résolution sur la lutte contre la traite des personnes”, Abuja, July 7, 2007.

²⁶² Human Rights Watch interview with representatives of ENDA and RAFY, Bamako, February 14, 2011.

²⁶³ US State Department, “Trafficking in Persons Report 2011”.

²⁶⁴ Guamina, “Présentation de quelques expériences de Guamina dans le domaine du trafic des enfants,” undated, on file with Human Rights Watch; Human Rights Watch interview with members of local vigilance committee, Baroya, April 3, 2011; Human Rights Watch interview with representative of Jiekatanie, Kolondiéba, April 9, 2011.

²⁶⁵ Castle et al., “The International Migration of Young Malians”; Mike Dottridge and Olivier Feneyrol, “Action to strengthen indigenous child protection mechanisms in West Africa to prevent migrant children from being subjected to abuse”, May 2007, http://www.childtrafficking.com/Docs/dottridge_oct07.pdf (accessed October 14, 2011).

VI. A Poor Health Policy Response

Child mortality is extremely high in Mali. Almost one in five children—19 percent—die before their fifth birthday. Diarrhea, pneumonia, and malaria are the three leading causes of child mortality in Mali, and are also very common in mining areas.²⁶⁶

Children who work in artisanal mining are exposed to several additional grave health risks, connected to the unhealthy environment they live in and the hazardous work they perform. However, access to health care to treat these mining-related health conditions is very poor, due to serious gaps in health policies. In particular, the government has failed to take effective preventative action on mercury, such as awareness-raising about the risks connected to mercury, and introduction of technologies that reduce exposure to mercury.

A Weak Health System

Mali is a country with poor access to health care, compared to other West African countries. More than half of the population lives more than five kilometers from the nearest health facility.²⁶⁷ Mali also has an acute shortage of health workers. There is one physician per 20,000 patients, and three nurses or midwives per 10,000 patients, far below the Africa-wide average.²⁶⁸

There are few health facilities per population, and overall access to local health services remains poor, despite efforts to bring health services closer to communities under the current health strategy.²⁶⁹ Mali has a pyramid health structure, with community health centers (*Centres de santé communautaires, CSCOM*) at the community level, referral health centers (*Centres de santé de référence, CSREF*) at the level of the health district, and regional and national hospitals at the top. The health system relies on user fees that

²⁶⁶ World Health Organization, “Mali: health profile,” April 4, 2011, <http://www.who.int/gho/countries/mli.pdf> (accessed August 15, 2011). Human Rights Watch interview with Dr. Coulibaly, CSREF, Kéniéba, April 2, 2011; CSREF Kéniéba, “Situation des maladies prioritaires, en nombre absolu,” (undated); CSREF Kéniéba, “Situation des maladies à potentiel épidémique, en nombre absolu” (undated) (on file with Human Rights Watch).

²⁶⁷ Ministère de la promotion de la femme, de l’enfant et de la famille/ UNICEF, “Bulletin statistique 2009. La femme et l’enfant en chiffres au Mali,” August 2010, p. 40.

²⁶⁸ WHO, “Mali: health profile,” April 2011, <http://www.who.int/gho/countries/mli.pdf> (accessed July 12, 2011).

²⁶⁹ Ministère de la Santé, “Prodess II Prolongé 2009-2011. Composante Santé,” http://www.mali-apd.org/IMG/file/pdf/2_Description%20et%20fonctionnement%20des%20groupes%20thematiques/9_%20Sante/PRODES_SIIPROLONGE.pdf (accessed August 15, 2011).

are paid by patients. As a result, access to health care is difficult for the poor, and community health centers are underutilized.²⁷⁰

Some specific health services are free of charge, notably health care for children under the age of five, caesarean sections, and treatment of HIV and a few other diseases. Access to health care has improved in these specific areas.²⁷¹

Health Access Barriers for Children in Mining Areas

Health care access in artisanal mining areas is often very limited, despite the heightened risk of health problems stemming from mining. For example, there is only one referral health center, with few medical doctors, in the health district of Kéniéba, serving 208,000 inhabitants. There are 19 community health centers, which are staffed with nurses and midwives.²⁷²

In some mines, there is a health worker, such as a nurse, who runs a small pharmacy and refers cases to the nearest community health center. However, many other mines have no public health facility. This is the case in one of the largest artisanal mines in the Kéniéba region, Hamdallaye.²⁷³

In the absence of public health services, several NGOs run HIV-prevention and treatment programs in artisanal mining areas, but have limited resources to provide more general healthcare. They do general awareness-raising, disseminate condoms, reach out to sex workers, and assist patients in getting access to voluntary counseling and testing, and treatment if necessary.²⁷⁴

²⁷⁰ Mamadou Kani Konate, Bakary Kanté, Fatoumata Djènèpo, “Politique de santé communautaire et viabilité économique et sociale des centres de santé communautaires au Mali: Etude de cas en milieu urbain et rural,” draft, September 2003, [http://www.unrisd.org/unrisd/website/document.nsf/\(httpPublications\)/F4478C9C2C2D0794C1256E200039Do82?OpenDocument](http://www.unrisd.org/unrisd/website/document.nsf/(httpPublications)/F4478C9C2C2D0794C1256E200039Do82?OpenDocument) (accessed August 15, 2011).

²⁷¹ Ministère de la Santé, “L’approche sectorielle dans le domaine de la santé au Mali”, December 2009, <http://www.btcctb.org/files/web/publication/L'approche%20sectorielle%20dans%20le%20domaine%20de%20la%20Sant%C3%A9%20au%20Mali.pdf>, pp. 75-76 (accessed July 12, 2011); Ministerial Leadership Initiative, “What do we know in 2011 about the new free care policies in Mali?” 2011, http://www.ministerial-leadership.org/sites/default/files/events/event_files/Microsoft%20Word%20-%20Eng-Synthese2%20Free%20care%20Mali%204%2026%2011.pdf (accessed August 14, 2011).

²⁷² Human Rights Watch interview with Dr. Coulibaly, CSREF, Kéniéba, April 2, 2011.

²⁷³ Human Rights Watch interview with private doctor, Kéniéba, April 4, 2011.

²⁷⁴ Human Rights Watch interviews with representative of CLUEDUCA, May 27 and June 8, 2011; Human Rights Watch telephone interview with representative of Soutoura, June 30, 2011; Human Rights Watch telephone interview with representative of SOS SIDA, August 12, 2011; SOS SIDA, “Rapport d’activités de la campagne de sensibilisation dans les zones minières des cercles de Kadiolo et Sikasso”; Collectif du Groupe d’Intervention au Mali pour la Promotion et le Développement Socio-sanitaire (CO-GIMPDS), “Rapport suivi monitoring. 2ème semestre 2010.”

Artisanal mining areas also lack sexual and reproductive health services, including antenatal services and maternity wards.²⁷⁵ A doctor complained that mines do not have specialized services for survivors of sexual violence either.²⁷⁶

Some patients seek the help of traditional healers or resort to self-medication for their children.²⁷⁷ Four child laborers told Human Rights Watch that they were regularly taking tablets against their pain.²⁷⁸

Government Neglect of Mercury Related Health Conditions

The government has done virtually nothing to research, diagnose, or treat mercury-related illnesses and conditions in Mali. It lacks data on mercury intoxication of adults or children in artisanal mining areas.²⁷⁹ There is little capacity in the Ministry of Health and throughout the health system to diagnose mercury intoxication and to treat it.²⁸⁰ In particular, the government lacks a longer-term strategy on how to address the health threat from mercury, including mercury poisoning in children. The current health strategy on child health does not deal with the issue at all.²⁸¹ Even a recent environmental health report of the government hardly addresses the problem. It simply states that mercury is used in artisanal mining, but that the quantities are unknown.²⁸²

Efforts to Reduce Exposure to Mercury

The Ministry of Environment deals with issues related to mercury through its focal point on Strategic Approaches to International Chemicals Management (SAICM)²⁸³ and hosted a regional conference on artisanal gold mining in Francophone West Africa in 2009, with

²⁷⁵ ILO, “Etude transfrontalière sur les enfants dans l’orpaillage,” p. 44.

²⁷⁶ Human Rights Watch interview with Dr. Coulibaly, CSREF, Kéniéba, April 2, 2011.

²⁷⁷ ILO, “Etude transfrontalière sur les enfants dans l’orpaillage,” p. 44; Human Rights Watch interview with Dr. Coulibaly, CSREF, Kéniéba, April 2, 2011.

²⁷⁸ Human Rights Watch interview with Karim S., estimated age 14, Worognan, April 8, 2011; Human Rights Watch interview with Lansana K., age 13, Baroya, April 3, 2011; Human Rights Watch interview with Susanne D., age 11, Worognan, April 8, 2011; Human Rights Watch interview with Yacouba C., age 16, Baroya, April 3, 2011; Human Rights Watch interview with Aminata C., age 13, Baroya, April 3, 2011.

²⁷⁹ Human Rights Watch interview with director of environmental health and hygiene department, Ministry of Health, Bamako, March 29, 2011.

²⁸⁰ Human Rights Watch interview with Prof. Maiga, toxicologist, Bamako, March 29, 2011; Human Rights Watch telephone interview with representative of RAC, June 28, 2011; Human Rights Watch interview with private doctor, Kéniéba, April 4, 2011.

²⁸¹ Human Rights Watch interview with director of child health section, Ministry of Health, March 29, 2011.

²⁸² Ministère de la Santé/ Ministère de l’Environnement et Assainissement, “Analyse de la situation et estimation des besoins en santé et environnement au Mali dans le cadre de la mise en œuvre de la déclaration de Libreville”, June 2010, p. 24.

²⁸³ For more information on SAICM, see Strategic Approach to International Chemicals Management (SAICM), <http://www.saicm.org/index.php?ql=h&content=home> (accessed August 10 2011).

a particular focus on the use of mercury.²⁸⁴ However, there is little concrete action on the ground, such as training for artisanal miners regarding the risks of mercury and the introduction of retorts or other alternative technologies.

With the support of United Nations Industrial Development Organization (UNIDO), donors, and experts, the government will start to develop an action plan for the reduction of mercury in artisanal mining in 2012.²⁸⁵ International donors—France, the US, and the Global Environment Facility—also agreed in mid-2011 to start several other projects on artisanal mining in Mali, Burkina Faso, and Senegal, with a focus on mercury reduction.²⁸⁶ This is a promising development, and it is hoped that the programs, which will be implemented by NGOs and UNIDO, will give attention to the special situation of child laborers using mercury, and children’s exposure to mercury more generally.

Towards an International Mercury Reduction Treaty

At the international level, states are currently negotiating a legally binding instrument on mercury. In 2009 the Governing Council of the United Nations Environment Program (UNEP) agreed on the need to develop such a treaty, and it is scheduled for adoption in 2013.²⁸⁷ The current draft of the treaty does not foresee specific measures to protect children working with amalgam.²⁸⁸

Mali, together with Nigeria, is one of the African countries represented on the Intergovernmental Negotiating Committee (INC) for the treaty, and therefore plays an important role in the drafting process. For example, Mali has taken a leading role in developing a common African position in favor of mandatory national action plans to reduce mercury in artisanal gold mining.²⁸⁹

²⁸⁴ UNIDO/ Direction nationale de l’assainissement et du contrôle des pollutions et des nuisances, “Atelier sous-régional d’information des pays de l’Afrique de l’Ouest francophone sur les problèmes liées à l’orpaillage,” December 2009.

²⁸⁵ Human Rights Watch interview with Dr. Oumar Cissé, SAICM focal point, Direction nationale de l’assainissement et du contrôle des pollutions et des nuisances, Bamako, April 11, 2011.

²⁸⁶ The two international NGOs are the Artisanal Gold Council and the Blacksmith Institute. Artisanal Gold Council, “Current Projects,” undated, <http://www.artisanalgold.org/projects> (accessed August 10, 2011); Global Environment Facility, “Project Title: Improve the Health and Environment of Artisanal Gold Mining Communities by Reducing Mercury Emissions and Promoting Sound Chemical Management,” April 2011; Human Rights Watch interview with Blacksmith focal point in Senegal, Bamako, April 1, 2011.

²⁸⁷ United Nations Environment Program (UNEP), “The Negotiating Process,” undated, <http://www.unep.org/hazardoussubstances/MercuryNot/MercuryNegotiations/tabid/3320/language/en-US/Default.aspx> (accessed August 10, 2011).

²⁸⁸ UNEP, “INC Meeting Documents,” undated, <http://www.unep.org/hazardoussubstances/Mercury/Negotiations/INC3/INC3MeetingDocuments/tabid/3487/language/en-US/Default.aspx> (accessed August 15, 2011), section F and Annex E.

²⁸⁹ INC3 African Group, “Submission by African Group on ASGM,” 2011, <http://www.unep.org/hazardoussubstances/Portals/9/Mercury/Documents/INC3/Africa%20additional%20submission%20ASGM.pdf> (accessed September 28, 2011).

VII. “I Have Never Been to School” – Access to Education for Child Laborers in Mines

Lack of access to education is one of the causes of child labor in artisanal mining. Access to education is generally very poor in Mali and in the artisanal mining areas in particular. In 2009-2010, the net enrolment rate was 60.6 per cent, and only 56.3 per cent of children completed primary school.²⁹⁰ Education policies have largely failed to benefit vulnerable groups, such as child laborers in mining areas and in other sectors. In the mining areas, school buildings and infrastructure are lacking, and school fees create barriers in impoverished mining communities. Furthermore, education authorities and schools themselves have largely failed to reach out to families of migrant children to ensure their education.

Difficult Access to Education in Artisanal Mining Areas

Lack of School Infrastructure in Mining Communities

Since many artisanal mines are located in remote areas, physical access to schools is often a problem. Many long-time mining villages in the Kéniéba region do not have schools. For example, one of the large mines south of Kéniéba, Hamdallaye, did not have a school when a local NGO visited in May 2010.²⁹¹ When new artisanal mining communities spring up in some areas, they are even more likely to have insufficient schools.²⁹²

The public schools that do exist in mining areas are often in a very poor state. The large majority of schools are too small, lacking separate classrooms for each year group.²⁹³ For example, the school in Worognan has only two rooms for six grades, and therefore only runs two grades at any time; during our visit, it was running a first and a sixth grade class.²⁹⁴ Other schools group several grades together and teach them in the same room.²⁹⁵

²⁹⁰ The net enrolment rate is the share of children of primary school age that are currently enrolled in school. Ministère de l'Éducation, de l'Alphabétisation et de Langues nationales, “Annuaire National des Statistiques Scolaires de l'Enseignement Fondamental (ANSSEF) 2009-2010,” 2010, p. 91.

²⁹¹ Human Rights Watch telephone interview with representative of RAC, June 28, 2011.

²⁹² Ministère du Travail, de la Fonction Publique et de la Réforme de l'Etat, “Rapport de la mission de prospection pour l'élaboration et la mise en œuvre d'un programme d'action de lutte contre les pires formes de travail des enfants dans l'orpillage traditionnel dans la région de Sikasso du 5 au 8 septembre 2010,” September 2010, pp. 5-6.

²⁹³ Oxfam, “Delivering Education for All in Mali,” June 2009, <http://www.oxfam.org/sites/www.oxfam.org/files/delivering-education-for-all-mali-report-07-06-09.pdf> (accessed on June 24, 2011), p.18.

²⁹⁴ Human Rights Watch interview with teacher, Worognan, June 8, 2011.

²⁹⁵ Human Rights Watch interview with school director and teacher from Sensoko, Kéniéba, April 2, 2011; Human Rights Watch interview with school director and teachers, Baroya, April 3, 2011.

About half of all schools do not have latrines—a practical problem that deters girls from school attendance—and lack a canteen, sports facilities, or a room for teachers.²⁹⁶

Some mines have community schools, private schools, or madrasas (Islamic schools). However, the demand for community-based schools is fairly low in mining areas; this means that the government has an even greater obligation to ensure public schools are available.²⁹⁷

School Fees

School fees are unlawful in Mali, yet parents usually pay school fees for children who attend. Community schools charge fees, and even public schools sometimes require parents to pay in money or in kind, for example, food for the teacher.

School fees discourage parents from sending their children to school rather than to the mine. Teachers, parents, and child laborers told us that school fees were one of the reasons why children do not attend school. A group of seven women in Sensoko, Kéniéba area, explained that they could not pay school fees for all of the children in a family, and therefore sent some children to work full-time in the gold mine instead. Every month, they pay to the local school 800 CFA francs (about US\$ 1.75) per child. This group of women had a total of 29 school-age children working in the mine; of these, 18 were also attending school.²⁹⁸

Karim S., a child laborer at Worognan mine, talked about his desire to attend school:

I have never been to school. My father enrolled my two older siblings [in school], but it did not work for me. I would like to go to school, but my father refused.²⁹⁹

Another child laborer, Oumar K., explained that he had been in school but dropped out because his parents could not pay the school fees any longer. He was in school until fourth grade, but was not allowed back after an illness because his parents had not paid the school fees. His three sisters were also not attending school.³⁰⁰

²⁹⁶ ILO, “Etude transfrontalière sur le travail des enfants dans l’orpaillage,” pp. 45-46; Human Rights Watch interview with representative of RAC, Kéniéba, April 2, 2011; Human Rights Watch visits to schools in Baroya, Sensoko, and Worognan. For latrines, see UNICEF, “‘Girl friendly/ child-friendly’ schools provide a brighter future for Mali”, August 18, 2011, http://www.unicef.org/infobycountry/mali_59595.html (accessed September 7, 2011).

²⁹⁷ ILO, “Etude transfrontalière sur le travail des enfants dans l’orpaillage,” pp. 45-46.

²⁹⁸ Human Rights Watch interview with seven women gold miners, Sensoko, April 4, 2011.

²⁹⁹ Human Rights Watch interview with Karim S., estimated age 14, Worognan, April 8, 2011.

³⁰⁰ Human Rights Watch interview with Oumar K., estimated age 14, Sensoko, April 4, 2011.

When parents in Mali have to make choices about school attendance, they send boys more frequently than girls. Girls are often used to do domestic work instead, or are married before reaching adulthood.³⁰¹ The situation is no different in mining areas. Susanne J., 11, told Human Rights Watch:

I was enrolled for school, but then my brother was sent in my place. I would like to go to school but [we] do not have the means.³⁰²

Some parents justify their child's work in the mine with the need to earn money for school fees. Lansana K., a school boy in fifth grade, complained:

I prefer to have free time than to work [at the mine]. But my parents say I have to work to buy the study material for school.³⁰³

Similarly, Hamidou S., who is only in third grade, used the money earned at the mine to buy school material.³⁰⁴

The use of school fees to support schools results in other problems, too. Teachers confirmed that, "The big problem ... is that the parents don't all pay their part."³⁰⁵ A member of a school management committee complained that they have "all the difficulties of the world" to get parents to pay their contribution to the school.³⁰⁶ As a result, teachers sometimes receive no salary, or only part of a salary.³⁰⁷

The Situation of Migrant Children

Many artisanal miners migrate from mine to mine. This creates a serious problem for their children's education. According to the ILO, two-thirds of children working in artisanal mining are migrants.³⁰⁸ Some children move with their parents from mine to mine every couple of months. For example, in 2010, many artisanal miners migrated between several mines in the

³⁰¹ On the gender gap in Mali's education system, see above.

³⁰² Human Rights Watch interview with Susanne D., age 11, Worognan, April 8, 2011.

³⁰³ Human Rights Watch interview with Lansana K., age 13, Baroya, April 3, 2011.

³⁰⁴ Human Rights Watch interview with Hamidou S., estimated age 8, Baroya, April 3, 2011.

³⁰⁵ Human Rights Watch interview with school director and teacher from Sensoko, Kéniéba, April 2, 2011.

³⁰⁶ Human Rights Watch interview with two members of school management committee, Baroya, April 3, 2011; Human Rights Watch interview with school director, Worognan, April 8, 2011.

³⁰⁷ Human Rights Watch interview with representative of RAC, Kéniéba, April 2, 2011; Human Rights Watch interview with school director and teacher from Sensoko, Kéniéba, April 2, 2011.

³⁰⁸ ILO, "Etude transfrontalière sur le travail des enfants dans l'orpaillage," pp. 34-37.

Sikasso region, namely the mines at Kola, Kékoro, Kalankan, and Worognan.³⁰⁹ Fatimata N., an adolescent girl from Burkina Faso who never attended school, told us that she started gold mining at an early age. She first worked in mining in Burkina Faso, and then came with her guardians—her aunt and uncle—to Mali to mine gold there. They lived for about a month in a Kékoro mining site (Bougouni circle), and then moved to Worognan.³¹⁰

An education official explained what happens when a new mine is being opened:

Schools turn empty in the area. Children follow their parents [to the mine]...
There is no one at home for them—to eat, you have to follow your parents.
And for the parents, the child is [a] useful worker.³¹¹

Schools in mines seem poorly prepared for the arrival of migrants. One school director told us that there were no migrant children at all in his school, even though the community had received several thousand migrants over the previous year. The school had 30 children enrolled, even though the number of residents was estimated to be above 4,000.³¹²

Child Laborers Attending School

Some child laborers do go to school. This creates a double burden for the children and often results in poor school performance. Mory C., an 11-year-old boy from Baroya, told us about his experience:

In the mine, I transport the ore from the shaft to the panning [place]. When I come home, I am too exhausted to do my homework. My parents are not concerned by this. Most often, I have pain in the joints and in the chest. My father rubs me with shea butter and that is all.³¹³

Some children cannot keep up with school. Nanfadima A., 11, told us she had to repeat a class. She worked in the mine during school holidays and after school during the week:

³⁰⁹ Human Rights Watch interview with tomboloma and mayor, Worognan, April 9, 2011; Human Rights Watch interview with head of Burkinabe community, Worognan, April 9, 2011; Human Rights Watch interview with Angélique M., 16, Worognan, April 9, 2011; Human Rights Watch interview with local NGO active in Kola mine, February 17, 2011; Human Rights Watch telephone interview with local government official in Bougouni, March 2011.

³¹⁰ Human Rights Watch interview with Fatimata N., estimated age 15, Worognan, April 9, 2011.

³¹¹ Human Rights Watch interview with Yaya Sogodogo, CAP Director, at group interview with *préfet* and six officials, Kolondiéba, April 8, 2011.

³¹² Human Rights Watch interview with school director, Worognan, April 8, 2011.

³¹³ Human Rights Watch interview with Mory C., age 11, Baroya, April 3, 2011.

It is really difficult to combine school and work. One cannot do the two at the same time. I am always tired.³¹⁴

Pupils who work in artisanal mining frequently do not turn up at school, resulting in high rates of absenteeism and dropout.³¹⁵ School directors and teachers described the negative effects of artisanal mining on pupils' performance.³¹⁶ One teacher for grades five and six explained that about half of the children in his class were working at the mine. He said:

The fact that children in fifth and sixth grade work in the mine has consequences. They do not do their homework and are tired.³¹⁷

Education Policies: Failing to Reach Child Laborers

The Malian government aims to provide education for all, and support the education-related Millennium Development Goals,³¹⁸ through access to education up to grade nine (basic education), better access to education for girls, teacher training, and non-formal education. Decentralization is a key element in the government's strategy, aiming to strengthen community ownership over education.³¹⁹ Donors provide significant funding to the education sector, including sector budget support. In 2009, donors gave US\$161 million in official assistance for education in Mali.³²⁰ Donors have also helped fund a remarkable expansion of community schools.³²¹

However, education policies have given insufficient attention to children who are vulnerable due to their economic status, gender, family situation, health, or other reasons. The current government education program fails to propose specific measures to reach out

³¹⁴ Human Rights Watch interview with Nanfadima A., estimated age 11, Tabokoto, April 2, 2011.

³¹⁵ Human Rights Watch interview with school director, Worognan, April 8, 2011; ILO, "Etude transfrontalière des enfants dans l'orpaillage," pp. 45-46.

³¹⁶ Human Rights Watch interview with school director and teacher from Sensoko, Kéniéba, April 2, 2011.

³¹⁷ Human Rights Watch interview with school director and two teachers, Baroya, April 3, 2011.

³¹⁸ Millennium Development Goal (MDG) 2 aims to achieve universal primary education: "Ensure that, by 2015, children everywhere, boys and girls alike, will be able to complete a full course of primary schooling." MDG 3 aims to "eliminate gender disparity in primary and secondary education, preferably by 2005, and in all levels of education no later than 2015." United Nations, "Millennium Development Goals", <http://www.un.org/millenniumgoals/index.shtml> (accessed August 8, 2011).

³¹⁹ Government of Mali, "Programme décennal de développement de l'éducation (PRODEC): Les grandes orientations de la politique éducative," 2000, p.8-9, http://www.education.gov.ml/IMG/pdf/1-GRANDES_ORIENTATIONS_2000.pdf (accessed August 1, 2011); Government of Mali, "Programme d'Investissement pour le Secteur de l'Education: Descriptif de la Troisième Phase 2010-2012," March 18, 2010, pp.5-8, http://www.education.gov.ml/IMG/pdf/le_Descriptif_PISE_III_18mars10_VF.pdf (accessed August 9, 2011).

³²⁰ Education For All Fast Track Initiative, "Mali," July 25, 2011, <http://www.educationfasttrack.org/partners/developing-countries/mali/> (accessed August 9, 2011); Oxfam, "Delivering Education for All", p. 24; Overseas Development Institute (ODI)/Mokoro, "Sector Budget Support in Practice. Case Study Education Sector in Mali," November 2009, p. 12.

³²¹ USAID, "Meeting EFA: Mali Community Schools"; Oxfam, "Delivering Education For All," p. 19.

to vulnerable children, with the notable exception of children with disabilities and children in nomadic communities.³²²

Though the number of children enrolled in primary school has significantly increased since 1998, many children of primary school age are still out of school.³²³ Mali remains far below the average in Sub-Saharan Africa.³²⁴ Access to secondary education is even lower.³²⁵ A significant number of children have never been enrolled in school. Of those who do, many do not attend school regularly and drop out early.³²⁶

There is also a large gender disparity in education. The net enrolment rate for girls is 54.6 percent, compared with 66.8 percent for boys, and only 48.6 percent of girls complete primary school, compared with 64.1 percent of boys.³²⁷ In higher education, the gender gap is even bigger.³²⁸ While the government has emphasized increasing girls' access to education, the majority of the children officially out of school are girls. In 2007-2008, over half the girls between 7 and 12 were out of school.³²⁹

As illustrated above, one reason for low enrollment is cost. Parents have to pay expenses for school, such as registration fees, books, materials, uniforms, or fees for the school management committee.³³⁰ In many African countries, school fees and indirect costs of schooling are major obstacles to obtaining an education for the poor. By contrast, the abolition of school fees has been proven to increase school enrollment and attendance significantly, particularly among the poor and among girls; it is also required by international law.³³¹ Other obstacles to schooling include the distance to school and the

³²² Government of Mali, "Programme d'Investissement pour le Secteur de l'Education 2010-2012", pp. 15-16.

³²³ World Bank, *Le système éducatif malien – Analyse séctorielle pour une amélioration de la qualité et de l'efficacité du système*, (Washington : World Bank, 2010), p. 10.

³²⁴ In 2009, the net school enrolment rate at the primary level was 77 percent in Sub-Saharan Africa. See UNESCO, "Universal Primary Education," UIS Fact Sheet, May 2011, no. 8, <http://www.uis.unesco.org/FactSheets/Documents/fs8-2011-en.pdf> (accessed on June 28, 2011), p. 1. In 2009-2010, the gross school enrolment rate at primary level was 79.5 percent in Mali, also significantly below the regional average. The gross enrollment rate is the number of children enrolled in primary school, regardless of their age, divided by the population of the age group that officially corresponds to primary school level.

³²⁵ Ministère de l'Education, de l'Alphabétisation et de Langues nationales, "Annuaire National," p. 88.

³²⁶ World Bank, *Le système éducatif malien*, p. XXIII.

³²⁷ Ministère de l'Education, de l'Alphabétisation et de Langues nationales, "Annuaire National" pp. 85, 91.

³²⁸ World Bank, *Le système éducatif malien*, p. XXVI.

³²⁹ Oxfam, "Delivering Education for All", p. 12.

³³⁰ *Ibid.*, p. 19.

³³¹ Klaus Deininger, "Does cost of schooling affect enrolment by the poor? Universal primary education in Uganda," *Economics of Education Review*, vol. 22, (2003); Samer Al-Samarrai and Hassan Zaman, "Abolishing School Fees in Malawi: The Impact on Education Access and Equity," *Education Economics*, vol. 15, no. 3 (2007), p. 370.

quality of education.³³² High student-teacher ratios, little or no teacher training, and insufficient supplies adversely affect the quality of education.³³³

An alternative to the public school system are community schools that are largely independent. A community school is any not-for-profit school created and managed by a community or association. Official local authority recognition is granted for any school meeting a set of simple criteria.³³⁴ The recognition of community schools has expanded the access to education, but has formalized the paying of school fees and lowered education standards, as the majority of teachers are untrained.³³⁵

One strategy to improve access to education in areas with high degrees of mobility and migration is the creation of mobile schools. In northern Mali, mobile schools have been established for nomadic groups in recent years. Teachers move together with the nomads and teach in tents that are provided by the community.³³⁶ The experience from northern Mali could serve as a useful model for Mali's mining zones.

Social Protection Measures to Improve Access to Education

Social protection schemes could boost access to education for child laborers in artisanal mining zones and elsewhere. Social protection is a set of policy measures aimed at increasing access to basic social services and reduce vulnerability to economic and social shocks. It comprises social assistance (such as cash transfers and free school meals), social services for poor households, as well as social insurance and related legislation.³³⁷

Until now, Mali has not had a consistent social protection policy and has implemented social protection measures only partially, without particular attention to the needs of vulnerable children. Cash transfer programs have been used in several countries to support access to education for vulnerable children.³³⁸

³³² World Bank, "Le système éducatif malien," p. 14.

³³³ Oxfam, "Delivering Education For All," p. 18; Ministère de l'Éducation, "Annuaire," p. 13.

³³⁴ USAID, "Meeting EFA: Mali Community Schools," 2006, <http://futureofschooling.org/uploads/USAID-MaliCaseStudy.pdf> (accessed June 27, 2011), pp. 1-2.

³³⁵ Oxfam, "Delivering Education For All," pp. 17-19.

³³⁶ Welthungerhilfe, "Mobiles Lernen: In Mali geht die Schule mit auf Wanderschaft," May 17, 2011, <http://www.welthungerhilfe.de/mobile-schule-mali.html> (accessed August 9, 2011); Human Rights Watch interview with representative of Ministry of Education, Literacy, and National Languages, Bamako, February 16, 2011. The government program foresees the introduction of more mobile schools for nomads in the future: Government of Mali, "Programme d'Investissement pour le Secteur de l'Éducation 2010-2012," pp. 29-30.

³³⁷ Overseas Development Institute/UNICEF, "Strengthening social protection for children in west and Central Africa," 2009, http://www.unicef.org/wcaro/wcaro_22_UNICEF_ODIbriefing_paper_SocialProtection_LOW.pdf (accessed June 23, 2011), pp. 1-2.

³³⁸ Overseas Development Institute, "Tackling child vulnerabilities through social protection: Lessons from West and Central Africa. Background Note," July 2010, London.

An earlier, successful social protection scheme for vulnerable children in Mali has been ended. From 2002 to 2007, Mali had a cash transfer program for mothers, aiming to enable them to send their children to school. It also covered artisanal mining areas in the Kayes region. Under this *bourse maman* (mothers scholarship), destitute mothers were given a monthly stipend (the equivalent of US\$11) if they agreed to send their children to school and keep them at school. If children dropped out of school, the cash transfers were ended.³³⁹ The program was modeled after a successful cash transfer program in Brazil, the *bolsa familia*.³⁴⁰ Although the *bourse maman* program led to increased enrollment rates and lower drop-out rates, it was ended, possibly due to skepticism among some donors towards cash transfer programs.³⁴¹

The current government policy recognizes the importance of free school meals as an incentive for poor families to send their children to school. The government has proposed a law to set up a National Centre for School Canteens, tasked with coordination and oversight over the creation of school canteens.³⁴² At present, school canteens are being established in 166 communes affected by drought and hunger, notably in northern Mali. Artisanal mining zones in western and southern Mali are currently not benefitting from such free school meals. By the government's own admission, the number of school canteens is far too small in Mali.³⁴³

A newly adopted government plan on social protection could finally bring change, if properly implemented. After a long process of consultations, the Malian government drafted a national action plan on social protection in 2010, and adopted it in August 2011. The action plan includes a cash transfer program for vulnerable populations and free school meals.³⁴⁴ At time of writing it had not been decided if the program would target vulnerable children and orphans in particular.³⁴⁵

³³⁹ Human Rights Watch interview with Gustave Nèbié, UNICEF, Bamako, March 29, 2011; Overseas Development Institute, Government of Mali, UNICEF, "La protection sociale et les enfants en Afrique du l'Ouest et du Center: Le cas du Mali," February 2009, http://www.unicef.org/wcaro/wcaro_mali_Protection_sociale_Mali_FR_s.pdf, pp. 79-83.

³⁴⁰ World Bank, "Bolsa Família: Changing the Lives of Millions in Brazil," <http://web.worldbank.org/WBSITE/EXTERNAL/COUNTRIES/LACEXT/BRAZILEXTN/o,,contentMDK:21447054~pagePK:141137~piPK:141127~theSitePK:322341,00.html> (accessed June 24, 2011).

³⁴¹ Human Rights Watch telephone interview with Gustave Nèbié, UNICEF, February 25, 2011; "Evaluation de l'initiative bourse-maman dans 09 écoles de Kayes et de Mopti," undated (on file with Human Rights Watch).

³⁴² Draft law on National Centre for School Canteens (on file at Human Rights Watch).

³⁴³ Government of Mali, "Programme d'Investissement pour le Secteur de l'Education 2010-2012," pp. 28-30; Human Rights Watch interview with representative of Ministry of Education, Literacy, and National Languages, Bamako, February 16, 2011.

³⁴⁴ Government of Mali, "Plan d'action national d'extension de la protection sociale 2010-2014 au Mali, Draft 3," Sélingué, May 2010, pp. 24-26.

³⁴⁵ Human Rights Watch interview with Gustave Nèbié, UNICEF, Bamako, March 29, 2011.

VIII. The Gold Traders' Responsibility

Given the prevalence of child labor in Malian artisanal mines, it is likely that, unless domestic and international companies trading in artisanal gold implement adequate due diligence processes, gold produced through the use of child labor will find its way into their supply chains. International norms require businesses to identify their impact on human rights through due diligence, prevent human rights violations that could occur through their action, and mitigate and account for human rights abuses that do occur because of their action. Human Rights Watch is aware of only two companies, Kaloti Jewellery International from Dubai and Tony Goetz from Belgium, that have put in place due diligence processes. Other companies trading in artisanal gold from Mali may have implemented such processes, although Human Rights Watch has not been able to establish this. Human Rights Watch has not been able to obtain information on the processes and policies of many companies which trade in gold from artisanal mines.

At the national level, the government of Mali has failed to take action to engage businesses on their responsibility in this area.

The Responsibility of Gold Traders in Mali

All over Mali's artisanal mining zones, small gold traders buy the gold mined by children and adults. Sometimes, the traders assist with amalgamation; in other cases, they buy the raw gold after amalgamation.

Gold prices vary and have risen to record heights in 2011. In April 2011, traders paid artisanal miners between 10,000 CFA francs (about US\$21.94) and 17,500 CFA francs (about \$38.40) per gram of gold.³⁴⁶ In Bamako, traders paid between 21,000 and 21,200 CFA francs (about \$46.06 and \$46.40) for a gram of gold, when gold was trading at about 21,400 CFA francs (about \$46.94) per gram internationally.³⁴⁷

Most of the gold from artisanal mines is sold by local traders, who visit the mines, to larger traders in Bamako, sometimes through middlemen. These larger traders run trading houses that are usually registered as limited companies. Trading relationships are often stable and well-established; several traders in the mining areas confirmed that they

³⁴⁶ Human Rights Watch interview with gold trader, Kéniéba, April 4, 2011; Human Rights Watch interview with gold trader, Worognan, April 9, 2011; Human Rights Watch interview with Oumar K., estimated age 14, Sensoko, April 4, 2011.

³⁴⁷ Human Rights Watch interview with gold trader, Bamako, April 6, 2011; Human Rights Watch interview with gold trader, Kéniéba, April 1, 2011.

always sold to the same trading house in Bamako.³⁴⁸ In one case, a smaller gold dealer described his counterpart in Bamako as his “boss,” and in another case, a Bamako-based trader showed a list of people buying gold for him in mines.³⁴⁹ Some wealthy gold miners also trade in the gold from “their” mine or shaft; one such gold miner in the Kéniéba area established his own company in Bamako, cutting out the middlemen altogether.³⁵⁰

There is also trade with gold across the borders to Guinea or other neighboring countries, going both ways.³⁵¹ While some of the gold is smuggled from Mali’s mines to neighboring countries, more significant amounts of gold are being imported, for example from Guinea and Burkina Faso.³⁵²

Traders in Mali and the subregion have a responsibility to ensure that they are not buying gold mined by children, but many of the traders interviewed by Human Rights Watch showed little awareness or concern about their responsibility.³⁵³ One trader in Kéniéba denied that there are children below the age of adolescence working in the mines.³⁵⁴ Another one acknowledged the problem, but said he could not do anything to change the situation.³⁵⁵ The owner of a trading house in Bamako maintained that he did not know anything about child labor, and that he had never visited an artisanal mine.³⁵⁶ Another trader in Bamako said he knew nothing about the risks associated with mercury use.³⁵⁷

Many traders even buy gold directly from children, a clear indication of their tacit support for child labor.³⁵⁸ One trader commented:

³⁴⁸ Human Rights Watch interview with gold trader, Kéniéba, April 4, 2011; Human Rights Watch interview with gold trader, Worognan, April 9, 2011.

³⁴⁹ Human Rights Watch interview with gold trader, Kéniéba, April 1, 2011; Human Rights Watch interview with gold trader, Bamako, April 6, 2011.

³⁵⁰ Human Rights Watch interview with Morike Sissoko, president of the FNOM, Kéniéba, April 2, 2011.

³⁵¹ Human Rights Watch interview with gold trader, Kéniéba, April 1, 2011; Human Rights Watch interview with Morike Sissoko, president of the FNOM, Kéniéba, April 2, 2011.

³⁵² Global Environment Facility, “Improve the Health and Environment of Artisanal Gold Mining Communities”, p. 7. Human Rights Watch interview with gold trader, Bamako, April 6, 2011; Human Rights Watch interview with gold trader, Bamako, March 30, 2011.

³⁵³ Human Rights Watch interviewed 12 gold traders at mining sites, in Kéniéba, and in the capital between March 30 and April 11, 2011.

³⁵⁴ Human Rights Watch interview with gold trader, Kéniéba, April 1, 2011.

³⁵⁵ Human Rights Watch interview with gold trader, Kéniéba, April 4, 2011.

³⁵⁶ Human Rights Watch interview with gold trader, Bamako, April 11, 2011.

³⁵⁷ Human Rights Watch interview with gold trader, Bamako, March 30, 2011.

³⁵⁸ Several children told us that they are selling their gold to traders themselves, and two traders also told us that they bought from children. Human Rights Watch interview with Nanfadima A., estimated age 11, Tabokoto, April 2, 2011; Human Rights Watch interview with Oumar K., estimated age 14, Sensoko, April 4, 2011; Human Rights Watch interview with Susanne D., age 11, Worognan, April 8, 2011; Human Rights Watch interview with Fatimata N., estimated age 15, Worognan, April 9,

Child labor is not good. The gold goes to their head [affects their attitude]. They lose track of education. But I cannot influence the parents. Sometimes parents send children here to sell me gold.³⁵⁹

The Role of Artisanal Miners' Associations

Malian artisanal miners and mining operators are organized in several associations, including the *Union des opérateurs miniers au Mali* (UNOMIN), the *Fédération nationale des orpailleurs au Mali* (FNOM), and the *Association des femmes minières au Mali* (AFEMIN). In some cases, they have helped miners create cooperatives or economic interest groups, or provided them with equipment.³⁶⁰ Professionalizing the artisanal mining sector could help increase miners' income and, as a result, reduce child labor.³⁶¹

However, so far, this has not been the case. Worse, there has been insufficient emphasis among certain organisations on problems such as child labor, mercury use, and exploitation of poor miners. For instance, members of the newly established Mali Mining Chamber, the representative body for small- and large-scale mining businesses, denied that child labor is a problem.³⁶² The president of the Mining Chamber told Human Rights Watch:

There is no child labor in the artisanal gold mines.... A child cannot do this work. Some might look like children but are adults.³⁶³

He also defended the use of child labor, should it occur, by saying that parents in different work sectors in Mali often take their children to work with them. Another member of the Mining Chamber defended child labor as part of a child's upbringing (*socialization*).³⁶⁴

In contrast, the head of the National Federation of Malian Gold Miners expressed concern about the use of child labor and said he was keen to take action on this.³⁶⁵

2011; Human Rights Watch interview with Abdoulaye M., age 15, Baroya, April 3, 2011; Human Rights Watch interview with gold trader, Worognan, April 9, 2011.

³⁵⁹ Human Rights Watch interview with gold trader, Kéniéba, April 4, 2011.

³⁶⁰ Human Rights Watch telephone interview with representative of the Association des femmes minières au Mali (AFEMIN), May 26, 2011; Human Rights Watch interview with Morike Sissoko, president of the FNOM, Kéniéba, April 2, 2011; Human Rights Watch interview with Abdoulaye Pona, president of the Mali Mining Chamber, Bamako, April 11, 2011.

³⁶¹ Hilson, "A load too heavy," *Children and Youth Services Review*, pp. 1233-1245.

³⁶² On the creation of the Mining Chamber, see Abdoul Karim Maïga, "Chambre des Mines du Mali: Abdoulaye Pona aux commandes," *L'Indicateur Renouveau*, February 25, 2011, <http://ankamali.net/economie/1313-lindicateur-renouveau-chambre-des-mines-du-mali--abdoulaye-pona-aux-commandes> (accessed August 10, 2011).

³⁶³ Human Rights Watch interview with Abdoulaye Pona, president of the Mali Mining Chamber, Bamako, April 11, 2011.

³⁶⁴ Human Rights Watch interview with legal advisor, Mali Mining Chamber, Bamako, April 11, 2011.

³⁶⁵ Human Rights Watch interview with Morike Sissoko, president of the FNOM, Kéniéba, April 2, 2011.

The Responsibility of International Gold Trading Companies

Mali's official figures put the amount of artisanally mined gold exported per year at around four tonnes, worth around US\$230 million at September 2011 prices. However, the real amount might be higher, as some of the gold is probably smuggled out the country. A further set of figures obtained from the Ministry of Industry, Investment and Business of Mali, states that during the first half of 2011, nine international companies bought artisanally mined gold worth over US\$83 million.³⁶⁶

Swiss Companies

Export statistics obtained from the Ministry of the Economy and Finances of Mali show that Switzerland is the most important trading partner in artisanally mined gold for Mali.³⁶⁷ Between January 2009 and May 2011, US\$34 million worth of artisanally mined gold were exported from Mali to Switzerland.³⁶⁸

Between January and June 2011, the Swiss company Decafin was the sole recipient of the exports to Switzerland, according to the data obtained from the Ministry of Industry, Investment and Business.³⁶⁹ Decafin is a Geneva-based company, founded in 1977, that trades in precious metals and also operates as a finance institute.³⁷⁰ In a letter to Decafin, Human Rights Watch described the use of child labor in artisanal gold mines, and asked the company to provide information on its policies and procedures on the prevention of child rights violations, and how it monitors the situation of children in artisanal mines. Decafin, through its lawyer said that Decafin “only acts at the end of the supply chain” and that it “has no contacts whatsoever with the producing companies nor with the Malian government.”³⁷¹ Following a meeting with Human Rights Watch, the company sent a second letter through its lawyer, stating that it acts at the end of a supply chain composed of at least four intermediaries and is unable to exert any pressure on producers in, or the government of, Mali. However, the company said that it would question its suppliers and the Mali Mining

³⁶⁶ The total amount of artisanally mined gold exported during that period was 1722,5 kg. This calculation is based on the gold price of June 30, 2011. For details, see Annex II, Ministère de l'Industrie, de l'Investissement et du Commerce, “Situation des intentions d'exportation d'or artisanal du 1^{er} janvier au 30 juin 2011,” Bamako, July 14, 2011.

³⁶⁷ See Annex I, Ministère de l'Economie et des Finances, “Tableaux statistiques des exportations d'or des mines artisanales au titre des années 2009, 2010 et 2011,” Bamako, July 19, 2011.

³⁶⁸ See Annex I. For the period 2009-2010, Human Rights Watch does not have the names of companies in Switzerland that imported the gold.

³⁶⁹ See Annex II.

³⁷⁰ For more information on Decafin, see <http://www.decafin.ch/> (accessed August 15, 2011). In 2008, an article by the Associated Press also reported that Decafin was buying gold from artisanal mines in Mali. Rukmini Callimachi and Bradley Klapper, “Exploited Children Stories,” *Associated Press*, August 11, 2008, <http://www.ap.org/media/pdf/calimachi.pdf> (accessed August 15, 2011).

³⁷¹ Letter from Marc Henzelin, Lalive, to Human Rights Watch, August 10, 2011 (translated by Human Rights Watch). See the Human Rights Watch letter and the full response in Annex III.

Chamber about the conditions in which the gold is mined. The letter also described the Guiding Principles on Business and Human Rights as the company's code of conduct.³⁷²

Dubai Companies

The second most important destination for artisanally mined gold from Mali is the United Arab Emirates, and specifically Dubai. Companies in the United Arab Emirates bought approximately US\$18 million worth of gold between January 2009 and June 2011.³⁷³

The statistics obtained from the Ministry of Industry, Investment and Business name four companies which, it states, are based in Dubai and bought artisanally mined gold in the first half of 2011: Kaloti Jewellery International, Mayer, Globe Gold, and Salor DMCC.³⁷⁴ Human Rights Watch has been unable to obtain contact details for Mayer, Globe Gold, and Salor DMCC, and therefore has not been able to reach them. As a result it is not known to Human Rights Watch whether these companies operate due diligence procedures in relation to any artisanally mined gold which may have been produced through the use of child labor.

In response to a letter outlining the findings of Human Rights Watch's research on child labor in Mali's artisanal mines, Kaloti Jewellery International shared with Human Rights Watch its policy on child labor and other human rights issues.³⁷⁵ The company also shared documents signed by two Malian traders in which they stated that "the undersigned hereby guarantees that these Metals are conflict-free, free from child labor and have been sourced through proper mining channels, based on personal knowledge".³⁷⁶ Kaloti Jewellery International informed Human Rights Watch that it recently suspended all gold imports from its Malian clients, a step that Human Rights Watch neither recommended nor supported, due to the potentially harmful economic consequences for artisanal mining communities, including children.³⁷⁷ The managing director of Kaloti also expressed interest in supporting initiatives to end the use of child labor in this sector, for example projects to improve access to education.³⁷⁸ Human Rights Watch continues to be in dialogue with Kaloti Jewellery International about measures that international companies should take to curb child labor.

³⁷² Letter from Marc Henzelin, Lalive, to Human Rights Watch, September 27, 2011.

³⁷³ See Annex I.

³⁷⁴ See Annex II.

³⁷⁵ See Annex IV, Letter from Tareq El-Mdaka, Managing Director, Kaloti Jewellery International DMCC, to Human Rights Watch, July 30, 2011.

³⁷⁶ Kaloti Jewellery International DMCC, "Source of Funds, Metals and Equities". One of the declarations is of September 20, 2010; the other one is undated.

³⁷⁷ Letter from Tareq El-Mdaka, Managing Director, Kaloti Jewellery International DMCC, to Human Rights Watch, July 30, 2011.

³⁷⁸ Human Rights Watch telephone interview with Tareq El-Mdaka, Managing Director, Kaloti Jewellery International DMCC, November 2, 2011.

Companies in Other Countries

Mali also exports gold to several other European and North American countries, Thailand, and China. One trader reported that international buyers have come occasionally straight to the mines and bought there.³⁷⁹

According to the figures obtained from the Ministry of the Economy and Finances, between 2009 and 2011, the third largest business partner after Switzerland and the United Arab Emirates was Belgium.³⁸⁰ During the first half of 2011, a Belgian company, Tony Goetz, imported about 60 kilograms, worth close to US\$ 3 million.³⁸¹ In response to a letter from Human Rights Watch about the use of child labor in Mali's artisanal gold mines, Tony Goetz stated that "artisanal mines that make use of highly toxic mercury are not among the suppliers of Tony Goetz NV," and that their suppliers have acknowledged that they do not use child labor. The company also said that "the amount of gold purchased from Malian suppliers by Tony Goetz represents only a very negligible amount of the total purchases of the company (i.e. less than 0.5% of the total purchases)."³⁸²

Government Mining Policies: Failure to Regulate Artisanal Mining

The Malian government policy on mining is primarily focused on large-scale mining, which accounts for the majority of Mali's gold exports, and the need to attract international investors. Where the government does deal with artisanal mining, its approach is mostly characterized by a laissez-faire attitude and a neglect of the pervasive poverty, child labor, and mercury use in artisanal mines. The government tolerates most artisanal mining activities, including those outside the legally established mining corridors. According to one official, 97 percent of artisanal mining sites lie outside the corridors.³⁸³ The government has failed to regulate and support the sector, a step that could increase miners' incomes and help eliminate child labor.

One reason for this situation is that many local government officials and traditional authorities benefit from artisanal mining, by raising fees for shafts or getting part of the gold production as customary owner of the land.³⁸⁴ Sometimes, local government officials even become gold miners themselves, and receive considerable income through the miners working for them. An official from the ministry of mines said that there are

³⁷⁹ Human Rights Watch interview with gold trader, Kéniéba, April 1, 2011.

³⁸⁰ See Annex I. The estimate is based on June 2011 gold prices.

³⁸¹ See Annex II.

³⁸² See Annex V.

³⁸³ Human Rights Watch interview with government official, Ministry of Mines, Bamako, April 6, 2011.

³⁸⁴ See section II for details.

“conflicts of interest when the mayor is gold miner.”³⁸⁵ As a result, local government authorities—who have oversight over artisanal mining—do not take their regulatory role seriously, and are unlikely to take action on child labor. One government official told Human Rights Watch: “Mayors sometimes make money with the mines, so they don’t provide good oversight”.³⁸⁶ It is therefore not surprising that government officials at the central level consider artisanal mining “difficult,” and that the government usually avoids addressing child labor.³⁸⁷

While shying away from some of the difficult issues, the government has recognized the need to get better information about the sector. It is presently carrying out a study on the economic output of artisanal gold mines in Mali, jointly with the World Bank.³⁸⁸ According to one official from the Ministry of Mines, there is a desire to regulate the sector better, for example, by clearly demarcating areas that are prohibited for artisanal mining.³⁸⁹ Government officials have announced the closure of mines that are located in classified forests or near water currents, but it remains unclear whether this policy will be implemented.³⁹⁰ In Kolondiéba circle, the government announced the closure of a mine, but then closed the site only for the rainy season, when most artisanal miners leave to work in agriculture for a few months.³⁹¹ While it is possible that some artisanal mining sites will be closed in the future as part of an effort to protect the environment, it seems unlikely that larger parts of the sector will be outlawed or severely restricted. The new draft mining law continues to use the concept of mining corridors, but strengthens involvement of the Ministries of Mines and Environment, indicating a desire to control artisanal mining to some extent from the central government.³⁹² The recent establishment of the Mali Mining Chamber also indicates support for the sector, in particular wealthier artisanal miners and gold traders.

³⁸⁵ Human Rights Watch interview with government official, Ministry of Mines, Bamako, April 6, 2011.

³⁸⁶ Human Rights Watch interview with representative of international agency, February 14, 2011.

³⁸⁷ Human Rights Watch interview with government official, Ministry of Mines, Bamako, March 30, 2011; Human Rights Watch interview with official from National Directorate for Mines, February 15, 2011.

³⁸⁸ Human Rights Watch interview with representative of the National Statistics Institute (INSTAT), Bamako, April 6, 2011; Human Rights Watch interview with government official, Ministry of Mines, Bamako, April 6, 2011.

³⁸⁹ Human Rights Watch interview with government official, Ministry of Mines, Bamako, April 6, 2011.

³⁹⁰ Human Rights Watch interview with government official, Ministry of Mines, Bamako, April 6, 2011.

³⁹¹ Human Rights Watch interview with préfet, Kolondiéba, April 8, 2011; Email correspondence from local NGO in Kolondiéba, June 1 and 6, 2011. There was one large-scale eviction in 2010 at the large artisanal mine of Massiogo in the Sikasso region, but it occurred only after an industrial mine with an exploration permit complained to the government about the presence of artisanal miners. After the company urged the government to expel the artisanal miners, tens of thousands of miners were evicted from Massiogo in May 2010; Email communication from representative of CLUEDUCA to Human Rights Watch, June 7, 2011; Human Rights Watch interview with government official, Ministry of Mines, Bamako, March 30, 2011.

³⁹² Ministère des Mines, “Code Minier (Projet)”, arts. 42-46.

Regional and International Initiatives towards Mining Businesses

The Extractive Industries Transparency Initiative (EITI) in Mali

In August 2011, Mali became a member of the Extractive Industries Transparency Initiative (EITI).³⁹³ EITI is a voluntary global initiative that requires its members to disclose information about oil, mining and gas company payments to governments. It brings together governments, companies, and civil society. Countries who apply to become EITI members have to undergo a process of validation.³⁹⁴

EITI is almost entirely focused on the obligations of governments and of international oil, mining, and gas companies, and gives little attention to national and international companies trading in gold from artisanal mines. Nevertheless, by committing to transparency standards in the large-scale mining sector, the Malian government has established an important principle that could be extended to the artisanal mining sector in the future.

Civil Society Action on the Mining Sector in Mali

Most Malian civil society groups working on mining focus on the large-scale mining sector. They monitor and document the conduct of the government and large-scale mining companies with regards to transparency, environmental impacts, and benefit for the local population. NGOs provide an important counter-perspective to the government, for example, by submitting a shadow report on the government to EITI or by documenting the environmental damage caused by mining companies.³⁹⁵

Occasionally, civil society groups also work on artisanal mining. *Fondation pour le Développement du Sahel*, one of the leading NGOs in this area, has carried out a small study on mercury use in Kangaba.³⁹⁶

West African Common Mining Policy and Mining Code

At the regional level, the Economic Community of West African States (ECOWAS) adopted a directive on mining in 2009, and is about to adopt a mining policy in 2011. A legally

³⁹³ Extractive Industries Transparency Initiative (EITI), "Mali," January 10, 2011, <http://eiti.org/node/74> (accessed August 11, 2011).

³⁹⁴ EITI, "What is the EITI," <http://eiti.org/> (accessed August 10, 2011). Companies can also commit to the EITI standard, though there is no similar validation process. AngloGold Ashanti and Gold Fields are two international gold companies with operations in Mali who have committed to the EITI standard.

³⁹⁵ Human Rights Watch interview with Aliou Haidara, Publish What You Pay, Mali, Bamako, February 16, 2011; Human Rights Watch interview with Tiémoko Sangare, Fondation pour le Développement du Sahel, Bamako, April 6, 2011.

³⁹⁶ Fondation pour le Développement du Sahel (FDS), "Etude sur le mercure," November 2010.

binding mining code is scheduled for 2014.³⁹⁷ The aim of this process is to harmonize approaches to mining and avoid a race to the bottom in which states offer incentives for international mining companies without sufficiently protecting state revenue.

The directive underlines the obligation of states, holders of mining rights, and other mining businesses to respect human rights, including child rights, to protect the environment, and to work transparently. However it hardly mentions artisanal mining.³⁹⁸

The policy, which ministers validated in June 2011 and which will be adopted later in 2011 by heads of state, addresses artisanal mining issues.³⁹⁹ It calls for the regulation and development of artisanal mining, and commits member states to improve artisanal mining activities through changes in the regulatory framework as well as the formation of cooperatives of artisanal miners, programs of technical and financial assistance, and other capacity-building measures. It also calls on states to “promote the harmonious co-existence between large-scale mineral operators and ASM [artisanal and small-scale mining] operators.”⁴⁰⁰

The future mining code could become an important regional tool if it contains a clear prohibition of child labor in artisanal gold mining, and mandates measures to reduce the use of mercury in artisanal mining.

International Efforts to Create a Child-Labor Free Gold Supply Chain

Businesses are increasingly recognizing that they have to adhere to human rights standards, including child rights and environmental standards. A range of voluntary standards and codes has been developed at the international level, some of them general, others specific to the mining sector. However, so far their impact has been very limited in Mali’s artisanal mining sector.

Some initiatives seek to specifically ensure a child labor free supply chain of artisanally mined gold. Most importantly, two organizations with experience in fair trade labeling and artisanal gold mining recently published the “Fairtrade and Fairmined Standard for Gold from Artisanal and Small-Scale Mining.” Under this fair trade label, producers have to be organized

³⁹⁷ “ECOWAS sets up committee on mining reforms,” Oxfam (America) news release, October 27, 2010, <http://www.oxfamamerica.org/articles/ecowas-sets-up-committee-on-mining-reforms> (accessed August 10, 2011); Human Rights Watch telephone interview with representative of OXFAM, August 26, 2011.

³⁹⁸ ECOWAS, “Directive C/DIR.3/05/09 on the Harmonization of Guiding Principles and Policies in the Mining Sector”, Abuja, May 26-27, 2009, art.15.

³⁹⁹ “Ministers validate ECOWAS Mineral Development Policy”, PANAPRESS, June 7, 2011, <http://www.panapress.com/Ministers-validate-ECOWAS-Mineral-Development-Policy--12-777113-100-lang2-index.html> (accessed September 8, 2011).

⁴⁰⁰ ECOWAS Industry and Mines Directorate, “ECOWAS Mineral Development Policy. Revised Draft,” April 2011, art. 2.8.

in artisanal and small-scale miners' organizations, adhere to ILO Conventions 138 and 182, and exclude the use of hazardous child labor in artisanal gold mining. The standard also requires producers to help adolescents access training and employment opportunities.⁴⁰¹ Furthermore, producers are to use mercury reducing techniques, and to abandon certain risky practices, such as whole ore amalgamation, amalgam burning in homes, and mercury use by children, pregnant women, and persons with certain chronic diseases.⁴⁰²

The fair-trade label presents an opportunity to promote best practices and to highlight the need for due diligence. However, there are difficulties with its implementation. It is generally difficult to guarantee the validity of the fair trade label, as the use of child labor in allegedly certified products has shown.⁴⁰³ At present, the label is limited to Latin America, but during 2012, several African countries will be assessed for participation in the scheme.⁴⁰⁴ The above-mentioned regional project on mercury reduction will examine the feasibility of introducing the label in Africa, including in Mali, in the future.⁴⁰⁵

Businesses active in the diamond and gold market have also started an initiative to promote ethical standards, and come together to create the Council for Responsible Jewellery. The organization operates a system of certification for its members, who undergo independent verification to qualify.⁴⁰⁶

International NGOs have embarked on a promising campaign "No Dirty Gold" that urges retailers to make changes in the gold mining industry, in particular regarding the environmental damage caused by gold mining. The campaign has developed a set of broad principles and is urging retailers to sign on to them. The principles include adherence to international conventions and the respect of labor standards, but do not mention child labor.⁴⁰⁷

⁴⁰¹ Alliance for Responsible Mining/ Fairtrade Labelling Organizations International, "Fairtrade and Fairmined Standard for Gold from Artisanal and Small-Scale Mining, Including Associated Precious Metals," March 15, 2010, http://www.communitymining.org/attachments/034_Gold%20Standard%20Mar%202010%20EN.pdf (accessed August 10, 2011), sec. 4.4.

⁴⁰² Association for Responsible Mining/ Fairtrade Labelling Organizations International, "Fairtrade and Fairmined Standard," sec. 3.1.

⁴⁰³ Paul Kenyon, "Chocolate: The Bitter Truth," *BBC*, March 24, 2010, http://news.bbc.co.uk/panorama/hi/front_page/newsid_8583000/8583499.stm (accessed August 15, 2011).

⁴⁰⁴ Human Rights Watch interview with Ronald Koepke, consultant on the gold standard for ARM and Fairtrade Labelling Organizations International, March 7, 2011.

⁴⁰⁵ Email communication from Aliou Bakhoum, ONG *La Lumière*, August 10, 2011; Global Environment Facility, "Improve the Health and Environment of Artisanal Gold Mining Communities."

⁴⁰⁶ Responsible Jewellery Council (RJC), "Fast Facts," undated, http://www.responsiblejewellery.com/downloads/Fast_Facts_RJC_Nov_2010.pdf (accessed August 10, 2011); Responsible Jewellery Council, "Principles and Code of Practices," December 2009, http://www.responsiblejewellery.com/downloads/boxed_set_2009/Soo1_2009_RJC Prin COP.pdf (accessed August 10, 2011), p. 12.

⁴⁰⁷ Earthworks, "The Golden Rules," undated, <http://www.nodirtygold.org/goldenrules.cfm> (accessed August 10, 2011).

Conclusion

Child labor in Mali's artisanal gold mines exposes children to grave health hazards and often prevents them from getting an education. Child miners also sometimes suffer economic exploitation, coercion, trafficking, and physical and sexual abuse.

Children are sent into child labor to increase the family income; in addition, child labor is socially accepted and viewed as useful educative experience. Many parents of child laborers are artisanal miners living in poverty and who only earn a fraction of the gold they mine, as they have to pay fees to traditional or local authorities and to miners who hire them as workforce or who rent out machines.

The government of Mali has failed to address child labor in artisanal gold mining effectively. While it has taken some important measures to protect children's rights, it has not put its full political weight behind these efforts. Existing initiatives tend to be isolated and lack full political and financial support. In addition, central government policies have sometimes been undermined by the laissez-faire attitude of local government officials. In the context of decentralization, the central government has relegated much responsibility for crucial areas such as education, health, and artisanal mining to local authorities, but these authorities have not done enough to address child labor and children's poor access to education and healthcare.

Child labor policies have not fully been implemented and lack teeth. There have been hardly any inspections of child labor in artisanal gold mines, and the law on child labor is not being enforced.

The government's education policies have failed to benefit child laborers, including those in artisanal mining areas, and failed to adapt to their needs. School fees, lack of school infrastructure, and poor quality of education deter many parents from sending their children to school. The government has largely failed to make education accessible and available for vulnerable children such as child laborers.

Mining policies focus on industrial mining, carried out by international companies, and have largely neglected problems related to artisanal mining, including child labor. The government tends to support powerful, wealthy miners and traders in the sector, and benefits financially from artisanal mines at the local level, but is providing virtually no support for ordinary artisanal miners.

In the area of health policy, the government has failed to develop a strategy and concrete measures to prevent or treat health problems related to mercury use or other mining-related conditions in artisanal mining zones.

Donors, UN agencies, and civil society groups have undertaken some useful initiatives on child labor, education, or artisanal mining in Mali, but these have been piecemeal, suffered from lack of reliable funding, and lacked consistent political backing. In particular, the ILO is suffering a funding crisis after the United States and the European Commission drastically reduced their funding. At the international level, the ILO has failed to follow up on its 2005 call to action “Minors out of Mining,” in which 15 governments—including Mali—committed to eliminating child labor in their artisanal mining sector by 2015.

Malian and international gold companies have not done enough to address child labor in the supply chain, for example, by monitoring the mines that supply them to check if no child labor is being used, and by pressing suppliers to end the use of child labor if it is being found. The Malian government has not held traditional authorities and powerful miners at the mining sites to account, for example through regular labor inspections, nor has it urged national traders to ensure a child-labor free supply chain.

Hazardous child labor in Mali’s artisanal mines can only be ended if different actors—government, civil society, UN, donors, artisanal miners and gold traders and companies—prioritize its elimination, give their full political support to it, and provide financial supports to efforts aimed at ending it.

The government needs to ensure that relevant national ministries—the Ministry of Labor and Civil Service, the Ministry of Mines, the Ministry of Health, the Ministry of Environment and Sanitation, the Ministry of Education, and the Ministry of Promotion of Women, Child and Family Affairs—as well as local authorities all work together. Different government ministries and institutions should take the lead on different recommendations, spelled out below, depending on their expertise, and work closely with all other ministries concerned.

As a first step, the government should immediately take steps to end the use of mercury by children working in artisanal mining. In addition, the government and all stakeholders concerned should come together to support and implement the recently adopted National Action Plan on Child Labor. They should also take steps to improve access to education in artisanal mining areas, including through an abolition of all school fees, state support for community schools, and a social protection scheme for vulnerable children. In order to strengthen artisanal mining communities and improve environmental health, the

government and others should provide support and capacity-building to artisanal miners, including on technologies that reduce the use of mercury, and address the health impact of mercury on artisanal miners, in particular on children. A national roundtable on hazardous child labor in artisanal mining should serve as forum to bring the relevant actors together and create momentum for concerted action.

Malian and international companies should recognize their responsibility regarding child labor and other human rights issues, through due diligence processes and pressure on suppliers and the government to bring about a measurable reduction of child labor. An immediate and total boycott of gold from Mali is not the answer to human rights violations in Mali's artisanal gold mines. Boycott risks reducing the income of impoverished artisanal mining communities and may even increase child labor as families seek to boost their income.

Recommendations

To the Government of Mali

End Child Labor in Artisanal Gold Mines, Including Mercury Use

- Immediately take steps to end the practice of child laborers working with mercury, in particular by:
 - disseminating information the harmful nature of mercury for children;
 - engaging communities on how to organize mining work without the involvement of child laborers in work processes requiring mercury;
 - reiterating the ban on hazardous child labor, including work with mercury;
 - instructing labor inspectors to carry out labor inspections on the use of mercury by children.
- Give full political backing and sufficient financial support for the recently adopted National Action Plan on Child Labor, including to programs for the withdrawal of children working in mines.
- Monitor and enforce the implementation of Convention 182 and the national list of hazardous work for children with regards to child labor in artisanal mining. Carry out regular labor inspections in artisanal mines, including on child sex work, and sanction those who use child labor in contravention of the law.
- Strengthen the role of labor inspectors in identifying child labor by increasing the number of labor inspectors and training them on child labor issues, or develop a community-based monitoring system linked to the official inspectorate. Local authorities should support labor inspections and assist in enforcing the law on child labor. National authorities need to have oversight over local authorities to ensure that they take responsibility in this regard.
- Call a national roundtable on child labor in artisanal mining, to draw the attention of policymakers and businesses to the issue, and help garner active support from all stakeholders for concrete measures against child labor in artisanal mining. The roundtable should involve relevant government ministries, local authorities, civil society, all relevant UN agencies, donors, experts, and gold traders inside and outside Mali. The roundtable, or meetings of a smaller number of stakeholder representatives, should become a regular yearly event that keeps track of progress in this area.

- Urge gold traders and companies to take steps towards the elimination of child labor from their supply chain and to support child labor programs, and remind them at every opportunity of the prohibition of hazardous child labor. Suspend licenses of gold traders who do not carry out regular monitoring activities or who fail to take concrete action if child labor is found.
- Develop a national action plan for the reduction of mercury in artisanal mining, with attention to the particular situation of children and pregnant women living and working in artisanal mining areas. The action plan should be developed in close consultation with NGOs working on child labor in artisanal mining, environmental NGOs, experts, and UN agencies.
- Take measures to reduce the use of mercury in artisanal gold mining, for example through the introduction of retorts, and urge gold traders and companies to reduce the use of mercury in their supply chain.
- On the international level, push for a strong international treaty on mercury reduction, including a ban on the practice of children and pregnant women working with mercury.

Improve Access to Health Care for Children in Artisanal Gold Mining Areas

- Develop a comprehensive public health strategy and program to tackle chronic mercury exposure and its long-term health consequences in Mali, with a particular focus on child health. This program should seek the input of occupational health experts and mercury experts.
- Conduct surveillance on mercury exposure and intoxication in artisanal mining communities, with a particular focus on child health.
- Provide training on mercury intoxication to health authorities and health providers in mining zones.
- Start a pilot program for testing and treatment of children's mercury intoxication in an artisanal mining area, with a view to expanding it to all affected areas.
- Conduct a public awareness-raising program on the health risks of mercury use in artisanal mining areas, with an emphasis on the risks to children, including at child health and reproductive health clinics.
- Ensure that the national action plan for the reduction of mercury in artisanal mining includes a strong health component, such as gathering of health data, training of health workers, and inclusion of health centers in awareness-raising activities.

- Improve access to primary health care for children, reproductive health services, and HIV services in artisanal mining areas, for example, through well equipped mobile clinics with skilled health workers.

Improve Access to Education for Children Working in Artisanal Gold Mining

- Carry out a nationwide campaign on child labor and the right to education, including outreach with mining communities. The campaign should be coordinated by the national authorities, who need to have oversight over local authorities. As part of this campaign, local authorities should:
 - inform communities about the prohibition of worst forms of child labor in artisanal mining;
 - inform communities about the importance of education, and the law on compulsory education;
 - engage families whose children do not attend school;
 - as a last resort, sanction families who refuse to send children to school, in violation of Malian law.
- Enforce the principle of free education by lifting school fees and taking effective steps to remove other financial barriers to schooling, in line with the Malian education law.
- Take specific steps to improve access to education in artisanal mining areas, in particular through:
 - the improvement of school infrastructure in mining areas, such as the construction of new schools and expansion of existing schools, deployment of additional teaching personnel, and the creation of mobile schools in areas with many immigrant children;
 - greater state financial support for community schools in mining areas;
 - a program of outreach and dialogue with parents or guardians of children working in artisanal mines, with the aim of enforcing school attendance in artisanal mining areas, which is compulsory by law;
 - programs that allow children beyond the enrollment age to access non-formal education institutions and transition back into the formal education system;
 - the establishment of nurseries and other early learning and childcare institutions.
- Implement the national social protection plan with particular attention to the needs of vulnerable children, through:
 - the establishment of a social protection scheme that benefits vulnerable children, including child laborers in mining areas, and that ties cash transfers to regular school attendance;

- free school meals, including in schools in artisanal mining areas.
- Provide vocational training, apprenticeships, and safe work opportunities for youth aged 15 to 17 in artisanal mining areas
- Urge mining traders and companies to undertake and support efforts to improve access to education in artisanal gold mining areas.

Protect Children Working in Artisanal Mining Areas against Abuse

- Monitor and enforce the implementation of the Child Protection Code in artisanal mining areas, in cooperation with UNICEF and NGOs.
- Investigate and punish, in accordance with international standards of due process, those responsible for child trafficking, physical and sexual violence against children, or labor exploitation.
- In cases of exploitation, physical or sexual abuse, or trafficking, intervene to remove the child from abusive environments and return him or her to their family, if this is in the best interest of the child. If family reunification is not feasible or desirable, place children with foster families, and ensure continued monitoring of the child's situation.
- Provide medical and psychological assistance, legal support, and measures of rehabilitation for children who are victims of trafficking, physical and sexual violence, or labor exploitation.
- Carry out a mass public campaign and sensitization activities about the rights of child laborers, including the right to education, health care and labor rights, and make clear that violence against children, exploitation, and trafficking are all illegal, prosecutable offenses.

Improve the Livelihood of Artisanal Mining Communities

- Support artisanal mining communities by providing training on improved mining techniques, and assist artisanal miners in efforts to set up cooperative or economic interest groups.
- Offer income-generating activities in other sectors, such as agriculture, and encourage artisanal mining communities to diversify their income.

To the Economic Community of West African States (ECOWAS)

- Ensure that the future ECOWAS Mining Code prohibits the use of child labor in artisanal mining, and recommends specific actions to member states towards the elimination of child labor in artisanal mining.
- Ensure that the future ECOWAS Mining Code prohibits the use of mercury by pregnant women and child laborers.
- Ensure that the future ECOWAS Mining Code mandates governments to take steps to reduce the use of mercury in artisanal gold mining, including through training, capacity-building and introduction of mercury-reducing practices.

To Donor Countries and the World Bank, and Relevant UN Agencies, such as ILO, UNICEF, UNIDO, UNEP, and WHO

- Provide financial, technical, and political support to the Malian Government of Mali and civil society actors for the above-mentioned measures.
- In particular, provide political, financial, and technical support for:
 - The National Action Plan on Child Labor, including to programs for the withdrawal of children working in artisanal mines.
 - Child labor programs in Mali, including national NGOs.
 - Measures to end the use of mercury by child laborers.
 - Measures to introduce technologies that reduce the use of mercury in artisanal gold mining, such as retorts.
 - Measures to improve access to education, including a social protection scheme that benefits vulnerable children and that ties cash transfers to regular school attendance. Donors should press for an abolition of school fees and implement this in their own education programs.
 - A national roundtable on child labor in artisanal mining, with the aims outlined above.
- **The US, the European Commission, and Other Donors should also** provide support to ILO/IPEC for child labor programs on in Mali.
- **UNICEF should also** carry out a program with a focus on the children’s rights in artisanal mining areas in Mali.
- **The ILO should also** renew the “Minors out of Mining” initiative by calling an international conference on the issue, following up on the national level with governments who committed to eliminate child labor in artisanal mining, for example,

through national roundtables involving relevant stakeholders, providing financial and technical support for child labor programs, and calling upon other governments to commit to the goals of the initiative.

- **The US, France, the Global Environment Facility, and UNIDO should also** ensure that their current programs on mercury reduction in artisanal gold mining in Mali and the sub-region include measures to end the use of mercury by child laborers.

To Malian and International Companies Trading in Artisanal Gold

Take Measures to Ensure a Child-Labor Free Supply Chain

- Malian and international companies buying gold from Mali's artisanal mines should establish a thorough due diligence process, including regular monitoring of child labor in artisanal mining. Monitors should be independent and the results of monitoring should be published. Companies should visit artisanal mines to ensure they have accurate information about child labor. The due diligence process must also include procedures to address adverse human rights impacts.
- Malian and international companies should carry out capacity-building with their suppliers by training them on how to identify and address child labor.
- If there are reports that child labor is being used, companies should conduct specific investigations into these reports.
- In the event that child labor occurs, Malian and international companies buying the gold should take action to address the situation. In particular the companies should:
 - Immediately inform the national and local government authorities and urge them in writing to take measures to end use of child labor in artisanal gold mining within a specified time frame, for example, to seek measurable improvements within one year through labor inspections and improved access to education;
 - Immediately inform the Mining Chamber and urge them, in writing, to take measures to end use of child labor in artisanal gold mining within a specified time frame, for example, to develop and disseminate a code of conduct on child labor in mining sector within one year;
 - Immediately inform suppliers and urge them to take measures to end the use of child labor in their supply chain within a specified time frame, such as two years, in order to facilitate children's transition out of work. Concrete measures could, for example, be awareness-raising sessions on child labor in artisanal mining communities, direct support for education projects, and pressure on

national and local authorities to take measures to end child labor, as outlined above. Significant improvements could be a steep rise in school enrollment rates, a notable reduction of child labor, or the end of child labor in amalgamation and other processes involving mercury.

- Directly support measures to end child labor, for example, through projects that improve access to education and withdraw children from child labor.
- Develop and publish a code of conduct or policy on child labor if they have not done so yet. Implementation of such a code or policy should be independently monitored by a credible third party.
- Cooperate with associations of gold miners and the Mining Chamber to develop a sector-wide code of conduct on child labor in Mali's artisanal mines.
- Publicly express support for the National Action Plan on Child Labor, measures to end child labor in artisanal mining, and a national roundtable on child labor in artisanal mining.

To Malian Associations of Artisanal Gold Miners

- Develop a code of conduct or policy for Mali's artisanal gold mining sector, obliging members to undertake measures towards the elimination of child labor in artisanal gold mining.
- Urge members to implement the recommendations mentioned above.
- Support a national roundtable on child labor in artisanal mining, with the aims outlined above.

To All Governments

- Support a strong international legally binding instrument on mercury that requires governments to implement mandatory action plans for mercury reduction in artisanal gold mining. The action plans should include strategies to end the use of mercury by children and pregnant women working in mining, and public health strategies to address the health effects of mercury poisoning.

Acknowledgements

This report was researched and written by Juliane Kippenberg, senior researcher in the Children's Rights Division of Human Rights Watch.

Clive Baldwin, senior legal advisor, participated in the field research. Judit Costa, associate in the Children's Rights Division, and Katharina Theil, Roland Algrant intern in the Children's Rights Division, assisted with desk research. Katharina Theil also provided an early draft of the section on international law.

The report was reviewed by Zama Coursen-Neff, deputy director of the Children's Rights Division; Matt Wells, researcher in the Africa division; Jane Cohen, researcher in the Health and Human Rights Division; Chris Albin-Lackey, senior researcher in the Business and Human Rights Division; Agnes Odhiambo, researcher in the Women's Rights Division; Clive Baldwin, senior legal advisor; and Babatunde Olugboji, deputy program director of Human Rights Watch.

Production assistance was provided by Judit Costa and Noah Beaudette, associates in the Children's Rights division; Anna Lopriore, creative manager; Grace Choi, publications director; Kathy Mills, publications specialist; and Fitzroy Hepkins, mail manager.

We would like to thank Ben Silverstone of Doughty Street Chambers in London; Susan Gunn and Benjamin Smith of the International Labor Organization; Marcello Veiga, Professor of Mining Engineering at the University of British Columbia (Canada); and Stephan Böse O'Reilly, Assistant Professor of Public Health, University for Health Sciences, Medical Informatics and Technology (Austria), for providing critical advice on specialist issues and commenting on this report, or sections of it.

Most of all, we would like to thank the many Malian children who took the courage to share their stories with us. We are also grateful for the support and hospitality by NGO activists, traditional authorities, miners, teachers, health workers, and others we met in the course of conducting this research. We would also like to thank the Malian government for its openness to discuss the issues of this report with us.

Annex I

Human Rights Watch does not have information on whether the exporters listed below operate policies and/or due diligence procedures in relation to the trading of artisanally mined gold which may be produced through the use of child labor.

FROM : [REDACTED] PHONE NO. : [REDACTED] Aug. 08 2011 12:32PM P1

MINISTRE DE L'ECONOMIE
ET DES FINANCES

DIRECTION GENERALE
DES DOUANES

3226 / MEF-DGD-SORE
N°

REPUBLIQUE DU MALI
UN PEUPLE - UN BUT - UNE FOI

Bamako, le 19 JUL 2011



LE DIRECTEUR GENERAL DES DOUANES

À
Madame Juliane Kippengerg
Chercheuse, Division des Droits de l'enfant
HUMAN RIGHTS WATCH

Objet : Exportations d'or des mines artisanales du Mali.

Référence : Lettre sans numéro du 17 juin 2011.

Par lettre sans numéro ci-dessus référencée, vous me demandez les informations statistiques relatives aux exportations d'or des mines artisanales du Mali, en vue de comprendre la nature du commerce lié aux mines artisanales au Mali et au niveau international.

En réponse à votre requête, j'ai l'honneur de vous faire parvenir les informations statistiques relatives aux exportations d'or des mines artisanales sur la période de 2009 à 2011 et ce, conformément aux tableaux joints en annexe à la présente. Les informations de l'année 2011 concernent la période de janvier à mai.

Veuillez croire, Madame, à l'assurance de ma parfaite considération.

P.J. :
Tableaux statistiques des exportations
d'or des mines artisanales au titre des
années 2009, 2010 et 2011.

Le Directeur Général des Douanes

Colonel Modibo MAÏGA

SITUATION D'EXPORTATION D'OR
ANNEE 2010

CODE PAYS	NOM PAYS	NOM	NOM	NOM	NOM	NUMERO	POIDS	NET	WARE
AE	Emirats Arabes Unis	083317067I	BIJOUTERIE DIAMANT ROSE SARL	1	1	2	0	11 009 460	
		086123197J	"GEPADNAM GOLD MINING COMPANY" SARL	1	1	15	16	82 862 450	
		0833201213U	CAPITOLE TRANSIT	1	1	14	14	78 947 000	
		083311450V	DABO FATIMATA	12	12	14	14	5 995 000	
		083313714P	OR EXPORT SA	1	1	4	4	22 000 000	
		084112108J	COMPAGNIE PANAFRICAINE DES MINERAUX	4 000	4 000	43	43	235 365 075	
		084114329Y	COFOR SARL	3	3	35	35	195 046 500	
		084115368L	MOTRADE<MOT>-> SA	2	2	1	1	7 700 000	
		083311450V	DABO FATIMATA	2	2	1	1	5 500 000	
BG	Bulgarie	083318014R	DJANGO KEITA	2	2	1	1	990 000 000	
CA	Canada	082218311H	MAROUIN FOUAD	24	24	180	180	1 237 500 000	
		083102530A	FABOU TRAORE	37	37	225	225	182 500 000	
		083316755N	ISSOUMAILA DIAKITE	3	3	35	35	55 000 000	
		083318014R	D.JANGO KEITA	2	2	10	10	935 000 000	
		087800652K	AFRIMETAL SARL	26	26	170	170	5 500 000	
		083311450V	DABO FATIMATA	1	1	1	1	27 500 000	
		082222611D	SOCIETE KEN OR SA	1	1	5	5	289 300 000	
		082224283K	SOCIETE SEKOU HAWALA SIMPARA SARL	9	9	52	52	440 000 000	
		083102530A	FABOU TRAORE	14	14	80	80	577 500 040	
		083316755N	ISSOUMAILA DIAKITE	14	14	105	105	770 285 394	
		083318292R	ETS. SACIKO ET FRERES SARL	29	29	140	140	275 000 000	
		085117561R	KABA DIAKITE SARL	6	6	50	50	275 000 000	
		087800652K	AFRIMETAL SARL	10	10	2	2	11 000 000	
		082217421L	SICOMP SARL	1	1	2	2	8 375 000	
ES	Espagne	082114836R	TENGOLD MAL SARL	1	1	485	485	33 001 100	
GB	Royaume-Uni	08217421L	SICOMP SARL	2	2	6	6	5 527 500	
		083311450V	DABO FATIMATA	1	1	1	1	23 445 125	
IT	Italie	084114930J	KIMET AFRICA SARL	4	4	3 424	3 424	5 536 933	
		083102530A	FABOU TRAORE	1	1	1	1	49 500 000	
TH	Thailande	08217421L	SICOMP SARL	2	2	9	9	5 500 000	
		083102530A	FABOU TRAORE	1	1	1	1	9 746 000	
		083311450V	DABO FATIMATA	2	2	0	0	3 000 000	
US	Etats unis	084112247X	MALI DEVELOPEMENT RESSOURCE SARL	1	1	0	0	6 870 109 992	
		TOTAUX		4	216	6 902	6 902	6 870 109 992	

SITUATION D'EXPORTATIONS D'OR
ANNEE 2009

Code Pays	Nom Pays	NIF EXPORT	NOM	NOBRE	POIS	VAL
AE	Emirats Arabes Unis	083311450V	DABO FATIMATA	1	1	7 238 000
		082217421L	SIGCOMP SARL	1	1	5 500 000
		082220811P	SOUTHERN ACE LTD	9	4	19 426 000
BE	Belgique	0822222663C	PEAK MALI	1	1	6 163 850
		084 111328N	MALDIOR SARL	56	5 500	160 346 725
		084 112108J	COMPAGNIE PANAFRICAINE DES MINERAUX	12 113	18	106 590 000
		085 113439M	GLOBAL INVESTMENT PROPRIETES SARL	6	6	30 723 000
		086 118296M	STI-MASALAM SARL	3	14	74 878 705
		082217421L	SIGCOMP SARL	1	2	11 000 000
CA	Canada	082219311H	MAROUN FOUAD	16	88	484 000 000
		083 102530A	FABOU TRAORE	70	372	2 047 787 500
CH	Suisse	083 316756N	ISSOUMAILA DIAKITE	1	10	55 000 000
		087 800495F	TAMBAOUFRA MINING SA	33	584	3 827 886 107
		087 800952K	AFRIMEVAL SARL	89	446	2 450 250 000
		082220811P	SOUTHERN ACE LTD	2	1	5 478 770
		082217421L	SIGCOMP SARL	1	5	28 600 000
CN	Chaine	082217421L	SIGCOMP SARL	1	3	16 500 000
		083 316756N	ISSOUMAILA DIAKITE	2	20	110 000 000
DE	Allemagne	0822222663F	GERMAN EXPORT SARL	9	4	21 690 530
		084 111673J	FRANCO-MALIEN SARL	3	4	19 643 470
ES	Espagne	083 311450V	DABO FATIMATA	298	3	15 345 000
		082217421L	SIGCOMP SARL	1	5	27 500 000
FR	France	083 311450V	DABO FATIMATA	1	1	6 600 000
		086118296M	STI-MASALAM SARL	1	1	5 985 240
US	Etats unis	083 311450V	DABO FATIMATA	2	1	6 600 000
		086118296M	STI-MASALAM SARL	1	1	5 985 240
ZA	Afrique du sud	083 311450V	DABO FATIMATA	1	1	6 600 000
		083 313714P	OR EXPORT SA	1	1	5 985 240
TOTAUX				12 726	7 093	9 549 738 897

FROM : [REDACTED]

PHONE NO. : [REDACTED]

Aug. 08 2011 12:36PM P4

SITUATION D'EXPORTATIONS D'OR
DE JANVIER A MAI 2011

Code PAYS	Nom Pays	NIF EXPORT	NOM IMPORT	NOMBRE COLIS	P.OIDS NET	VALOR
BE	Belgique	084135366L	MOTRADE<<MOT>> SA	4	72	293 887 065
		082219311H	MAROUN FOUAD	12	120	660 000 000
		083102530A	FABOU TRAORE	30	160	880 000 000
		083316755N	ISSOUMAILA DIAKITE	13	65	357 500 000
		083318014R	DIANGO KETTA	9	76	429 000 000
		083319002R	PIECES D'OR MANSA MOUSSA SA	14	70	466 739 664
CH	Suisse	087900652K	AFRIMETAL SARL	27	140	770 000 000
		082223411D	SOCIETE KEN OR SA	7	35	192 500 000
		082224283K	SOCIETE SEKOU HAMALA SIMPARA SARL	68	550	3 024 500 000
		083102530A	FABOU TRAORE	5	35	192 500 000
		083304304X	GRUPE YANDA SARL	27	135	742 500 000
		083316755N	ISSOUMAILA DIAKITE	1	5	27 500 000
		083317526K	SITE MAMADOU GOLFA EI FILS (SOMAGOF)	2	36	196 000 000
		083318292R	EIS SACKO ET FRERES SARL	68	252	1 386 000 000
		083320299R	SOCIETE SADOU DIALLO ET FRERES SARL	10	63	346 500 000
		085117561R	KABA DIAKITE SARL	1	2	9 900 000
ES	Espagne	082222683F	GERMAIN EXPORT SARL	7	13	68 702 280
		085117561R	KABA DIAKITE SARL	2	10	55 000 000
		083314450V	DABO FATIMATA	1	1	6 325 000
HK	Hong-Kong			2		
				1		
PT	Portugal			1		
				1		
TOTAL				308	1 839	10 207 053 989

Annex II

Human Rights Watch has not been able to make contact with any of the individuals or companies named below, except for Decafin, Kaloti and Tony Goetz. Other than in relation to these three companies, therefore, Human Rights Watch has no information on whether the individuals or companies listed here operate policies and / or due diligence procedures in relation to the trading of gold which may be produced through the use of child labor.

Human Rights Watch assumes that the name “Kaloute” refers to “Kaloti”.

MINISTRE DE L'INDUSTRIE DE
L'INVESTISSEMENT ET DU COMMERCE

REPUBLIQUE DU MALI
Un Peuple - Un But - Une foi

DIRECTION NATIONALE DU COMMERCE
ET DE LA CONCURRENCE

SITUATION DES INTENTIONS D'EXPORTATION D'OR ARTISANAL DU 1^{er} JANVIER AU 30 JUIN 2011

OPERATEURS	N°	DATES	QUANTITES (KGS)	ACHETEURS	OBSERVATIONS
1. ETS SACKO ET FRERES					
-	11.0001.0 2	03-01-11	20	MAYER – DUBAI	
-	11.0008 0 2	05-01-11	25	-/-	
-	11.00103 02	07-02-11	16	-/-	
-	11.00217 02	03-03-11	50	-/-	
-	11.00253 02	10-03-11	-/-	-/-	
-	11.00357 02	31-03-11	-/-	-/-	
-	11.00485 02	26-04-11	-/-	-/-	
-	11.00672 02	15-06-11	18,102	-/-	
2. AFRIMETAL					
-	11.0002.0 2	03-01-11	50	Ste DECAFIN – SUISSE	
-	11.00154 02	22-02-11	-/-	-/-	
-	11.00447 02	19-04-11	-/-	-/-	
-	11.00643 02	07-06-11	-/-	-/-	
3. STE KEN OR SA					
-	11.0004.0 2	03-01-11	5	Ste SALOR DMCC – DUBAI	
-	11.00139 02	14-02-11	-/-	-/-	
-	11.00196 02	01-03-11	-/-	-/-	
-	11.00360 02	31-03-11	-/-	-/-	
-	11.00461 02	21-04-11	-/-	-/-	
-	11.00535 02	06-05-11	-/-	-/-	
-	11.00589 02	24-05-11	-/-	-/-	
-	11.00676 02	15-06-11	-/-	-/-	
4. DIAKITE KABA					
-	11.0006.0 2	04-01-11	5	KALOUTE – HONG KONG	
-	11.00046 02	19-01-11	5	-/-	
-	11.00489 02	27-04-11	1,800	MAYER - DUBAI	

4

5. MOTRADE				
-	11.00013 02	06-01-11	15,103	TONY GOETZ – BELGIQUE
-	11.00510 02	04-05-11	20,879	-/-
-	11.00628 02	02-06-11	23,650	-/-
6. STE SEKOU HAMALLA				
-	11.00015 02	07-01-11	5	GLOBE GOLD – DUBAI
-	11.00016 02	-/-	-/-	-/-
-	11.00034 02	14-01-11	-/-	-/-
-	11.00050 02	24-01-11	10	-/-
-	11.00051 02	-/-	5	-/-
-	11.00052 02	-/-	5	-/-
-	11.00105 02	08-02-11	10	-/-
-	11.00106 02	-/-	5	-/-
-	11.00127 02	11-02-11	10	-/-
-	11.00128 02	11-02-11	10	-/-
-	11.00146 02	18-02-11	50	-/-
-	11.00160 02	22-02-11	5	-/-
-	11.00165 02	23-02-11	10	-/-
-	11.00166 02	-/-	5	-/-
-	11.00182 02	28-02-11	10	-/-
-	11.00183 02	-/-	5	-/-
-	11.00184 02	-/-	10	-/-
-	11.00233 02	07-03-11	10	-/-
-	11.00240 02	08-03-11	10	-/-
-	11 00241 02	-/-	20	-/-
-	11 00248 02	09-03-11	10	-/-
-	11 00249 02	-/-	20	-/-
-	11.00250 02	-/-	10	-/-
-	11.00270 02	14-03-11	30	-/-
-	11.00271 02	-/-	20	-/-
-	11.00287 02	17-03-11	-/-	-/-
-	11.00288 02	-/-	25	-/-
-	11.00289 02	-/-	15	-/-
-	11.00290 02	-/-	20	-/-
-	11.00362 02	31-03-11	15	-/-
-	11.00363 02	-/-	10	-/-
-	11.00364 02	-/-	25	-/-

2

-	11.00412 02	11-04-11	20	-/-	
-	11.00413 02	-/-	-/-	-/-	
-	11.00430 02	14-03-11	25	-/-	
-	11.00481 02	26-04-11	20	-/-	
7. <u>GEMAIN EXPORT</u>					
-	11.00071 02	31-01-11	1,096	2V A INVERGOLS-ESPAGNE	
-	11.00072 02	-/-	1,995	-/-	
-	11.00073 02	-/-	2,998	-/-	
-	11.00126 02	11-02-11	1,299	-/-	
-	11.00161 02	22-02-11	5,097	-/-	
8. <u>ISSOUMAILA DIAKITE</u>					
-	11.00124 02	10-02-11	5	Ste DECAFIN – SUISSE	
-	11.00268 02	14-03-11	-/-	-/-	
-	11.00315 02	22-03-11	-/-	-/-	
-	11.00342 02	28-03-11	-/-	-/-	
-	11.00427 02	14-03-11	-/-	-/-	
-	11.00458 02	19-04-11	-/-	-/-	
-	11.00487 02	27-04-11	-/-	-/-	
-	11.00534 02	06-05-11	1,052	Miguel Noguera Henriquez -Belgique	
-	11.00549 02	11-05-11	5	Ste DECAFIN – SUISSE	
-	11.00566 02	16-05-11	-/-	-/-	
-	11.00601 02	26-05-11	-/-	-/-	
-	11.00623 02	02-06-11	-/-	-/-	
-	11.00646 02	08-06-11	-/-	-/-	
-	11.00696 02	20-06-11	-/-	-/-	
9. <u>FABOU TRAORE</u>					
-	11.00194 02	01-03-11	10	KALOTI JEWELLERY- DUBAI	
-	11.00285 02	15-03-11	5	-/-	
-	11.00370 02	01-04-11	30	Ste DECAFIN - SUISSE	
-	11.00405 02	11-04-11	5	KALOTI JEWELLERY – DUBAI	
-	11.00613 02	31-05-11	30	Ste DECAFIN – SUISSE	
-	11.00666 02	14-06-11	5	-/-	
10. <u>MAROUN FOUAD</u>					
-	11.00034 02	13-01-11	10	Ste DECAFIN – SUISSE	
-	11.00195 02	01-03-11	-/-	-/-	
-	11.00276 02	14-03-11	-/-	-/-	
-	11.00341 02	28-03-11	-/-	-/-	

②

-	11.00406 02	11-04-11	-//-	-//-	
-	11.00442 02	18-04-11	-//-	-//-	
-	11.00515 02	04-05-11	-//-	-//-	
-	11.00553 02	12-05-11	-//-	-//-	
-	11.00587 02	23-05-11	5	-//-	
-	11.00688 02	17-06-11	-//-	-//-	
11. <u>DJANGO KEITA</u>					
-	11.00451 02	19-04-11	7	Ste DECAFIN - SUISSE	
-	11.00488 02	27-04-11	5	-//-	
-	11.00502 02	03-05-11	7	-//-	
-	11.00562 02	16-05-11	-//-	-//-	
-	11.00576 02	19-05-11	3	-//-	
-	11.00586 02	23-05-11	10	-//-	
-	11.00593 02	24-05-11	-//-	-//-	
-	11.00612 02	31-05-11	-//-	-//-	
-	11.00619 02	-//-	-//-	-//-	
-	11.00695 02	20-06-11	-//-	-//-	
-	11.00723 02	28-06-11	-//-	-//-	
12. <u>GROUPE YANDA SARL</u>					
-	11.00311 02	22-03-11	20	MAYER – DUBAI	
-	11.00418 00	12-04-11	-//-	-//-	
-	11.00456 02	19-04-11	-//-	-//-	
-	11.00493 02	28-04-11	30	-//-	
-	11.00565 02	16-05-11	-//-	-//-	
-	11.00703 02	22-06-11	-//-	-//-	
13. <u>STE SADOU DIALLO</u>					
-	11.00569 02	17-05-11	50	MAYER – DUBAI	
-	11.00631 02	03-06-11	-//-	-//-	
14. <u>Mme FATIMATA DABO</u>					
-	11.00392 02	07-04-11	1,150	DIAVIC - PORTUGAL	
15. <u>STE MAMADOU GOFFA</u>					
-	11.00428 02	14-03-11	20	MAYER - DUBAI	
16. <u>MAMADOU DOUCOURE</u>					
-	11.00707 02	22-06-11	10	Ste DECAFIN - SUISSE	

Bamako, le 14 / 07 / 2011

Annex III

LALIVE

Rue de la Mairie 35
Case postale 6569
1211 Genève 6 - Suisse
T +4122 319 8700
F +4122 319 8760
www.lalive.ch

Human Rights Watch
350 Fifth Avenue, 34th floor
New York
NY 10118-3299

Marc Henzelin
Associé
Avocat, Genève
mhenzelin@lalive.ch

Attn. A. Ganesan et L. Whitman

Genève, le 10 août 2011

Madame, Monsieur,

Nous vous informons que nous représentons Decafin SA pour faire suite à votre courrier du 6 juillet 2011, auquel il n'a pas été possible de répondre plus tôt du fait de la période estivale.

Notre cliente vous informe qu'en tant que société de trading, elle n'intervient qu'en bout de chaîne en achetant et en vendant de l'or sur les marchés et qu'elle n'a aucun contact ni avec les entreprises productrices ni avec le gouvernement du Mali.

Decafin SA est cependant, bien évidemment, sensible à la situation exposée relative au travail des enfants dans les mines et elle suit avec attention les travaux des Nations Unies sur les entreprises et les droits de l'homme. Elle souhaite réfléchir avec HRW aux moyens les plus adéquats pour lutter contre ce phénomène, dans la mesure de ses moyens.

A cette fin, nous vous proposons de garder le contact.

Nous vous prions de croire, Madame, Monsieur, à nos sentiments distingués.


Marc Henzelin

LALIVE

Rue de la Mairie 35
Case postale 6569
1211 Genève 6 - Suisse
T +4122 319 8700
F +4122 319 8760
www.lalive.ch

Human Rights Watch
Children's Rights Division
Julianne Kippenberg
Poststrasse 4-5
10178 Berlin
Allemagne

Marc Henzelin
Associé
Avocat, Genève
mhenzelin@lalive.ch

Copie par e-mail

Genève, le 27 septembre 2011

Chère Madame,

Nous faisons suite à votre entretien du 16 septembre 2011 avec M. Marc Arazi et Me Céline Marthe, ainsi qu'à votre e-mail du 19 septembre 2011.

Avant toute chose, nous tenons à vous remercier de vous être déplacée en notre Etude, ainsi que Me Mariel Hoch Classen, afin de nous présenter vos recherches et projets et d'entamer une discussion quant à la problématique du travail des enfants dans les mines artisanales du Mali.

Decafin SA est sensible à ce fléau et réitère son désir d'être tenu informée de la situation et des développements à venir ainsi que de participer, dans la mesure de ses moyens, à la lutte contre l'exploitation des enfants.

Ma mandante considère que les Principes directeurs relatifs aux entreprises et aux droits de l'homme (A/HRC/17/31) constituent son code de conduite. En passant, le soussigné a d'ailleurs participé personnellement aux travaux qui ont abouti, *in fine*, à l'adoption de ces Principes.

Decafin SA a pris connaissance avec grand intérêt du guide de l'OCDE que vous nous avez transmis dans votre e-mail du 19 septembre 2011. Néanmoins, nous tenons à relever que le guide de l'OCDE concerne les cas où le minerai provient de zones de conflit ou à haut risque. Qui plus est, le guide de l'OCDE cherche, en particulier, à prévenir la contribution des entreprises multinationales à des conflits.

Avocats Attorneys-at-law Rechtsanwälte
Genève Doha Zürich


Or, le Mali ne nous semble pas être une zone en conflit ou particulièrement à risques. Par ailleurs, notre mandante, qui est une entreprise familiale composée de six personnes (personnel administratif inclus) ne dispose pas d'une infrastructure ni de moyens investigatoires, financiers ou même coercitifs qui soient équivalents à une entreprise multinationale. Enfin, Decafin SA étant une société de trading, elle n'intervient qu'au bout d'une chaîne composée d'au minimum quatre intermédiaires. Comme mentionné dans notre précédent e-mail, notre mandante n'a aucun contact ni avec les entreprises productrices ni avec le gouvernement du Mali. L'activité de Decafin SA s'intègre dans un marché d'offre et de demande en constante évolution, sur lequel elle ne peut exercer aucun pouvoir ni aucune pression.

Néanmoins, Decafin SA estime que ce guide constitue une bonne base de réflexion. Elle agit tant que faire se peut. Elle interpelle - et continuera d'interpeller - ses interlocuteurs sur l'origine de l'or et sur les conditions de son extraction. Elle se renseignera également auprès de la Chambre des Mines qui, d'après les recherches effectuées par notre mandante, est l'organisme public le plus à même d'être son interlocuteur au Mali concernant l'activité et l'organisation des personnes physiques et morales du secteur minier.

Comme discuté lors de notre entretien du 16 septembre 2011, Decafin SA aimerait être renseignée sur l'existence d'associations ou regroupements d'entreprises qui auraient mis en place des processus de contrôle ou autres (chartes, label, etc). Elle désire en outre suivre vos projets et leurs développements, et les soutenir dans la mesure du possible.

Enfin, Decafin SA répondra avec plaisir à vos questions d'ordre commercial, pour autant que Human Rights Watch assure à satisfaction la confidentialité de ces informations.

Nous vous prions de croire, chère Madame, à nos salutations les meilleures.



Marc Henzelin

Annexe : ment.

Annex IV



Date: 30th July, 2011

TO: Ms. Juliane Kippenberg
Senior Researcher
Children's Rights Division
Human Rights Watch
10178 Berlin, Germany

Subject: Reference to your letter dated July 1st, 2011 and your email dated July 28th, 2011

Dear Ms. Juliane,

Greetings from Kaloti Jewellery International DMCC.

Please be advised that Kaloti Jewellery International DMCC (KJI) and upon receiving your letter has suspended all imports from our two Malian clients and would appreciate if Human Rights Watch can provide us with procedures and any documentations required for accepting gold originated from Mali??

In respond to your letter dated July 1st, 2011 please note the following:

- KJI applies very strict KYC and due diligence policy (enclosed copy) where customer declares that the source of all metals, funds and equities are from legitimate sources away from financing terrorism, money laundering, and child labouring...etc.
- KJI does not accept any gold sourced from mines labouring children. Not to our knowledge neither mines in Mali's are labouring children nor the way those children are treated in those mines.
- KJI does not have direct relation with mines in Mali and the gold received by Kaloti is through consolidators in Mali.
- KJI has no reports on child labouring or other children rights violation in Mali's artisanal mines.
- KJI will not encourage or accept gold sourced from mines who labours children.
- KJI did not import gold sourced from Mali in 2008 and 2009. Our total gold received in 2010 is 914,801 grams of gold.
- KJI procured gold from:
 - A. Monsieur Fabou Traore (enclosed Declaration of source of funds, metals and equities)
 - B. Monsieur Issoumaila Diakite (enclosed Declaration of source of funds, metals and equities)
- KJI bought the gold from the above mentioned consolidators and not directly from the mines.



(Assaying, Bullion Trading, Refining, Gold Jewellery Manufacturing And Wholesale)

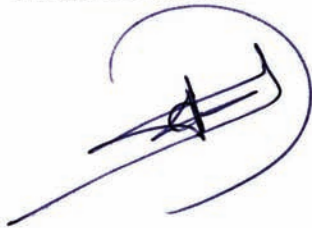
lead Office: UAE - Dubai, Sheikh Zayed Rd., Jumeirah Lakes Towers, Almas Tower (DMCC), Floor 35, Office D, E, F, G, H., Tel: +971 4 4486900, Fax: +971 4 4343006
Gold Souk Office: UAE - Dubai, Deira Gold Souk Gold Centre Bldg. F151, 6th Floor, Zone 3, Tel: +971 4 2256633, Fax: +971 4 2353522.

- KJI imports gold from the Middle East, South East Asia (Hong Kong, Singapore), Europe, USA and Latin America.
- KJI paid the international gold price for the gold imported from Mali and other origins minus the Refining and the Treatment charges which varies from 2-3 US Dollar/Ounce.
- There is no price privilege on the gold procured from Mali compare to Kaloti other sources.

Best Regards,

For Kaloti Jewellery International DMCC

Tarek ElMdaka
MANAGING DIRECTOR



Enclosed Documents:

1. Monsieur Fabou Traore – Declaration of source of funds, metals and equities
2. Monsieur Issoumaila Diakite – Declaration of source of funds, metals and equities
3. Compliance Policy
4. Internal Notice from Compliance Department



(Assaying, Bullion Trading, Refining, Gold Jewellery Manufacturing And Wholesale)

Head Office: UAE - Dubai, Sheikh Zayed Rd., Jumeirah Lakes Towers, Almas Tower (DMCC), Floor 35, Office D, E, F, G, H., Tel: +971 4 4486900, Fax: +971 4 4343006

Gold Souk Office: UAE. - Dubai, Deira Gold Souk Gold Centre Bldg. F151, 6th Floor, Zone 3, Tel: +971 4 2256633, Fax: +971 4 2353522.

Annex V



TONY GOETZ®

Precious Metals
Jacob Jacobsstraat 58
2018 Antwerp, Belgium
T +32 (0)3 221 15 65
F +32 (0)3 233 12 03
www.goetz.be
info@goetz.be

Mr. Ganesan and Ms. Kippenberg
Human Rights Watch
350 Fifth Avenue, 34th Floor
New York, NY 10118-3299
United States

Antwerp, September 22, 2011

Dear Mr. Ganesan,
Dear Ms. Kippenberg,

We have well received your letter of August 18, 2011 and would like to thank you for your concern about the working conditions in our industry.

Our company, Tony Goetz NV, shares your concern about child labor within the mining industry. It is in the interest of the society that children are not exploited by companies who seek to maximize profits through such illegal and unethical behavior. We find this violation of basic human rights intolerable and we highly appreciate the effort of Human Rights Watch to fight this problem.

Tony Goetz NV neither accepts nor tolerates children in the workforce of our suppliers. Our company is putting great attention to ensure that it is not involved in any child labor practice, neither in Mali nor in any other country.

Aankoop & Verkoop, zuiveren en
ontleden van edele metalen.
Achat & Vente affinage et analyse de
métaux précieux.
Trading & refining and assay of

BTW/TVA/VAT BE 0426.598.575
IBAN BE 28 5522 67 95 0020
DEXIA ANTWERP
BIC: GK CC BE BB



TONY GOETZ®

Precious Metals

Jacob Jacobsstraat 58
2018 Antwerp, Belgium
T +32 (0)3 221 15 65
F +32 (0)3 233 12 03
www.goetz.be
info@goetz.be

Hereby we would like to draw your attention to certain facts.

- First of all, Tony Goetz does not do business directly with (Mali's) gold mines. We only purchase gold from local traders.
- Secondly, the amount of gold purchased from Malian suppliers by Tony Goetz NV represents only a very negligible amount of the total purchases of the company (i.e. less than 0,5 % of the total purchases). Our purchases represent also less than 0,1 % of the Malian annual gold production (estimated on the basis of the information in the 2011 GFMS report). We therefore believe that other companies may be in the possibility to provide you more useful information on this subject.
- Thirdly, Tony Goetz applies a very strict policy regarding the origin of her goods. As the analysis of the precious metals represents one of the company's main strengths, gold that only contains minor traces of mercury will already be refused. Therefore, artisanal mines that make use of highly toxic mercury are not among the suppliers of Tony Goetz NV.
- Lastly, Tony Goetz NV adheres to strict supplier intake procedures, especially regarding certain African countries. Suppliers have to acknowledge that they are not active in criminal and illegal activities, covering child labor and important suppliers are subject to regular audits. Any violation of our human rights policies by a supplier or trader will lead to the immediate termination of the relationship.

Though we understand that you have a number of concrete requests for certain data including the volume of gold and the identity of our suppliers, you will appreciate that we also adhere to a strict confidentiality regarding the identity and the volume of our transactions. For that reason, Tony Goetz is not authorized to disclose these specific data. However, we will submit our client intake procedure together with our client acceptance policy in order to provide you with greater insights into the Tony Goetz social responsibility policies. We trust that you will keep these documents confidential.

To further support the fight against child labor in Mali and also to make a clear statement against child labor, our company is willing to donate our gross margin generated by the refining of the gold which was supplied by the aforementioned Malian suppliers. We would appreciate a recommendation from your side on the choice of an appropriate organization to which we can donate.

Aankoop & Verkoop, zuiveren en
ontleden van edele metalen.
Achat & Vente affinage et analyse de
métaux précieux.
Trading & refining and assay of

BTW/TVA/VAT BE 0426.598.575
IBAN BE 28 5522 67 95 0020
DEXIA ANTWERP
BIC: GK CC BE BB



TONY GOETZ®

Precious Metals

Jacob Jacobsstraat 58
2018 Antwerp, Belgium
T +32 (0)3 221 15 65
F +32 (0)3 233 12 03
www.goetz.be
info@goetz.be

At last, we are certainly willing to meet with the representatives of Human Rights Watch. However, as our exposure to the Malian market is insignificantly small, we do not think that our knowledge of this specific geographic market would be beneficial during a meeting organized by Human Rights Watch.

We hope this information answers your questions and concerns. If you have a question not addressed in this letter, please do not hesitate to contact us.

Sincerely,

For Tony Goetz nv
Alain Goetz

Annexes:

1. General conditions excluding child labor and products containing mercury;
2. Internal intake procedure;

Aankoop & Verkoop, zuiveren en
ontieden van edele metalen.
Achat & Vente affinage et analyse de
métaux précieux.
Trading & refining and assay of

BTW/TVA/VAT BE 0426.598.575
IBAN BE 28 5522 67 95 0020
DEXIA ANTWERP
BIC: GK CC BE BB

A Poisonous Mix

Child Labor, Mercury, and Artisanal Gold Mining in Mali

Child labor is common in artisanal mining, one of the most hazardous work sectors in the world. This report, based on over 150 interviews, uncovers the human rights abuses child laborers suffer in the artisanal gold mines in Mali, Africa's third largest gold producer. An estimated 20,000 to 40,000 children work in the mines, digging pits, working underground, carrying, panning, and crushing ore, and using mercury to extract the gold. Mercury is highly toxic and particularly harmful to children.

Children start working as young as six years old, and many never go to school. Many child laborers are migrants, and risk becoming victims of trafficking or sexual exploitation.

Mali's government and donors have done far too little to end child labor in artisanal gold mining. The government has outlawed hazardous child labor, but failed to enforce the law. A June 2011 action plan against child labor is awaiting implementation. Education policies lack specific efforts to improve access to education for child laborers. The government has also failed to address the harmful effects of mercury.

Mali lacks strong international support in its fight against child labor. The United States recently cut funding for child labor programs in Mali, and a 2005 initiative by the International Labor Organization to eliminate child labor in mining has fizzled out. Malian traders and international companies have not done enough to address the issue of child labor in the supply chain. The two main international export destinations for Mali's artisanal gold are Switzerland and Dubai.

The Malian government, UN agencies, donors, civil society, artisanal miners, traders, and companies should urgently take action to end the use of child labor in artisanal gold mining, improve access to education for child laborers, and address mercury-related problems.

*Children work in an artisanal gold mine,
Kéniéba cercle, Mali.*

© 2010 International Labour Organization/IPEC

