

M2020

ICMM  
International Council  
on Mining & Metals

# Sustainable Development in the Mining and Metals Industry

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[www.icmm.com](http://www.icmm.com)

# Contents

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- Overview
- History
- ICMM Sustainable Development Framework
- Work program
- Conclusions

# Overview

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- ICMM is a CEO-led organization representing many of the world's leading mining and metals companies as well as regional, national and commodity associations. ICMM members are committed to the responsible production of the minerals and metals society needs.
- Membership involves a number of business practice requirements, including sustainable development reporting and adherence to various policies approved by its Council of CEOs.

# ICMM vision and goals

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## Vision:

a viable mining, minerals and metals industry that is widely recognised as essential for modern living and a key contributor to sustainable development.

## Goals:

- Engagement with industry stakeholders
- Continued access to land, capital and markets
- A platform for sharing experience (good practice)
- Build trust and respect

## Members:

17 leading companies  
30 industry associations

# ICMM member companies

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Anglo American

AngloGold Ashanti

Barrick

BHP Billiton

Freeport-McMoRan Copper & Gold

Gold Fields

Lihir Gold

Lonmin

Mitsubishi Materials

Newmont

Nippon Mining & Metals

OZ Minerals

Rio Tinto

Sumitomo Metal Mining

Teck

Vale

Xstrata

# ICMM member associations

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Cámara Argentina de Empresarios Mineros (CAEM)

Cámara Asomineros Andi - Colombia

Cámara Minera de México

Cámara Minera de Venezuela (CAMIVEN)

Chamber of Mines of South Africa

China International Mining Group

Cobalt Development Institute

Consejo Minero de Chile A.G.

Eurometaux

Euromines

Federation of Indian Mineral Industries

Indonesian Mining Association

Instituto Brasileiro de Mineração

International Aluminium Institute

International Copper Association (ICA)

International Lead Association

International Molybdenum Association (IMOA)

International Wrought Copper Council

International Zinc Association

Japan Mining Industry Association

Minerals Council of Australia

Mining Association of Canada

Mining Industry Associations of Southern Africa (MIASA)

National Mining Association (NMA) - USA

Nickel Institute

Prospectors and Developers Association of Canada

Sociedad Nacional de Minería (SONAMI) - Chile

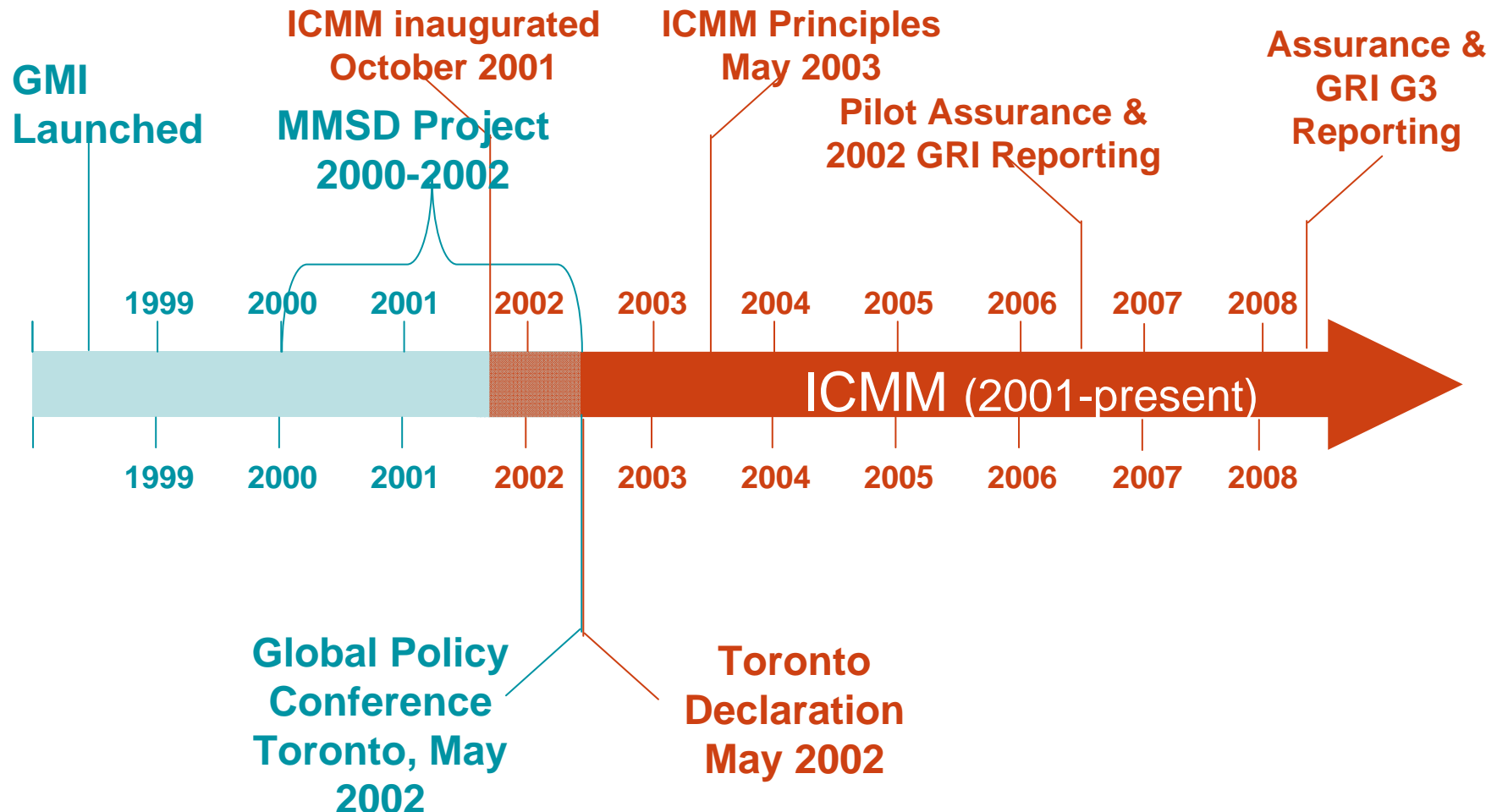
Sociedad Nacional de Minería, Petróleo y Energía

(SNMPE) - Peru

World Coal Institute

World Gold Council

# ICMM history



# Catalysing Commitment to Sustainable Development

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- **ICMM - was formed in 2001 to represent the world's leading companies in the mining and metals industry and to advance their commitment to sustainable development.**
- **However its conception can be dated to two years earlier, when the global mining firms accepted at the highest level that their sector was facing significant problems in reputation, sustaining profits, access to new assets and maintaining investor and employee confidence.**

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# Key issues facing the mining and metals industry

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- High profile/global environmental challenges – eg climate, water
- Global scrutiny of behaviour and products – eg regulation, product substitution
- Tensions with host governments – eg resource nationalism, demands for benefits
- Rising local societal expectations – eg human rights, restricted access to land

# Sustainable Development Framework

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# ICMM Principles

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1. Implement and maintain **ethical business** practices and sound systems of corporate governance
2. **Integrate sustainable development** considerations **within the corporate decision-making process**
3. Uphold fundamental **human rights** and respect cultures, customs and values in dealings with employees and others who are affected by our activities
4. Implement **risk management strategies** based on valid data and sound science
5. Seek **continual improvement of our health** and safety performance

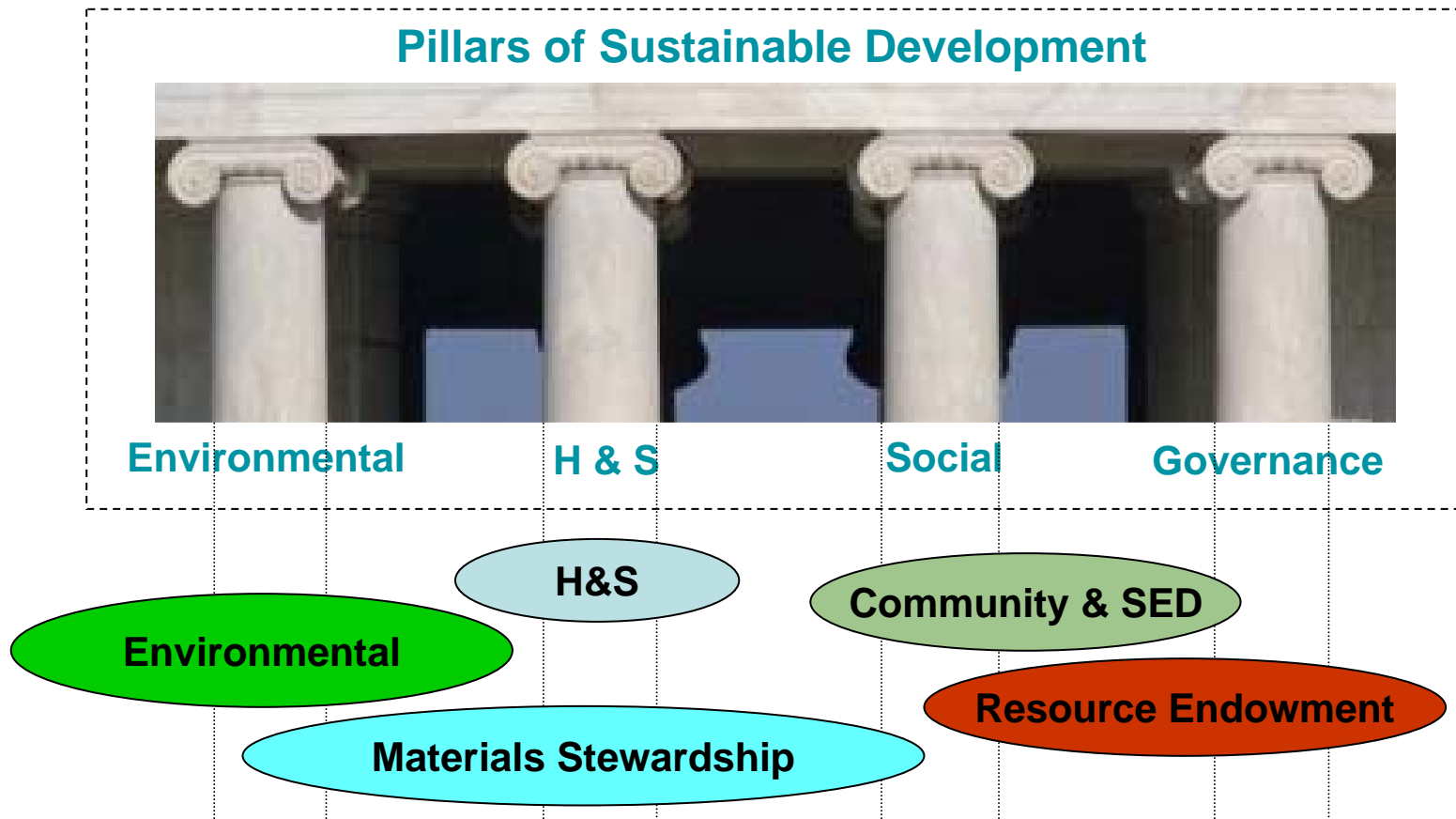
# ICMM Principles

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6. Seek continual improvement of our **environmental performance**
7. Contribute to conservation of **biodiversity** and integrated approaches to land use planning
8. Facilitate and encourage **responsible design, use, re-use, recycling and disposal** of our products
9. Contribute to the social, economic and institutional **development of communities** in which we operate
10. Implement effective and transparent **engagement, communication and independently verified reporting** arrangements with stakeholders

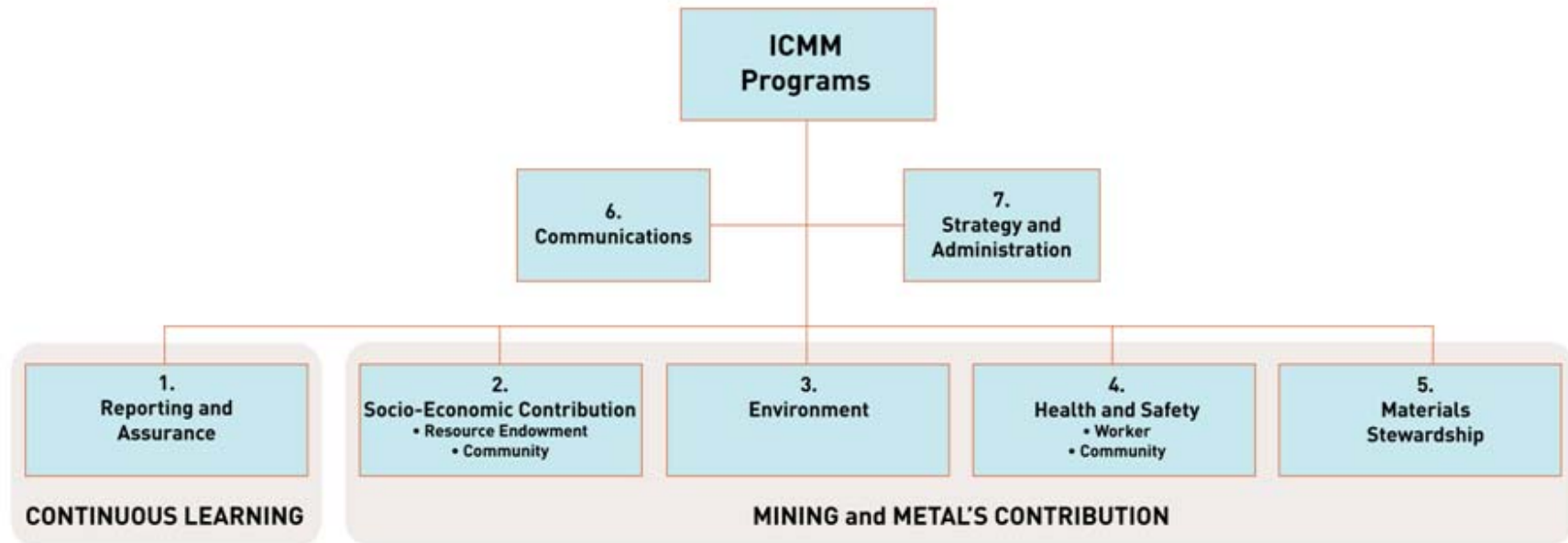
# ICMM Thematic Areas of Focus

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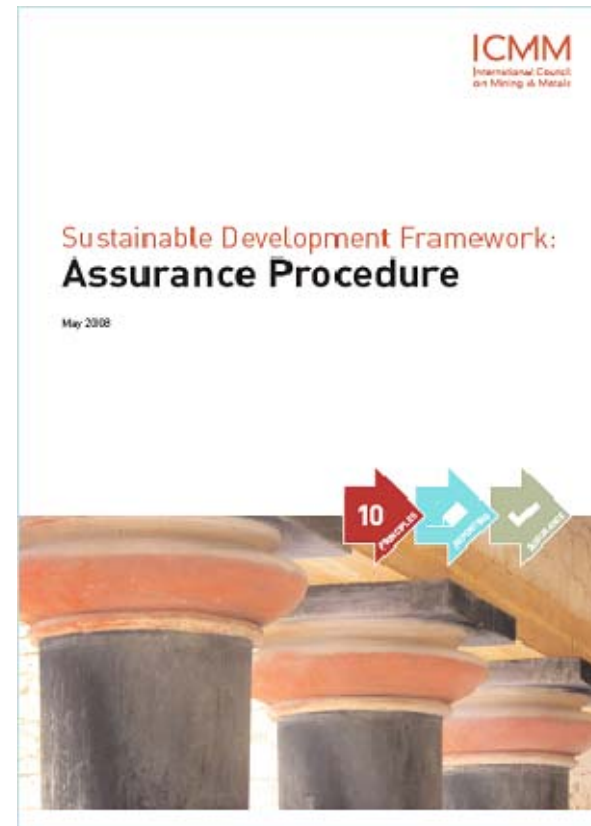
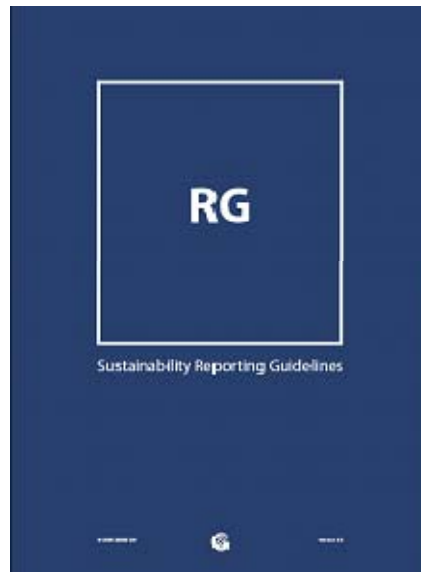
# ICMM structure

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# 1. Reporting and Assurance

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## 2. Resource Endowment initiative...

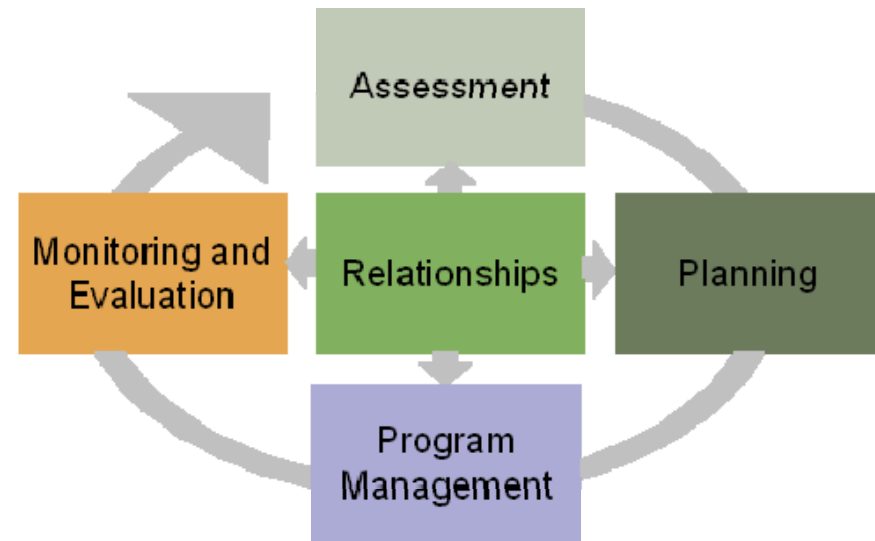
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Addressed 2 questions:

- What are the critical success factors that have enabled some countries to benefit from substantial resource endowments and avoid the so-called resource curse?
- What practical steps might be taken by the industry, governments, local communities and aid agencies to build these success factors?



# 3. Community



# 4. Environment

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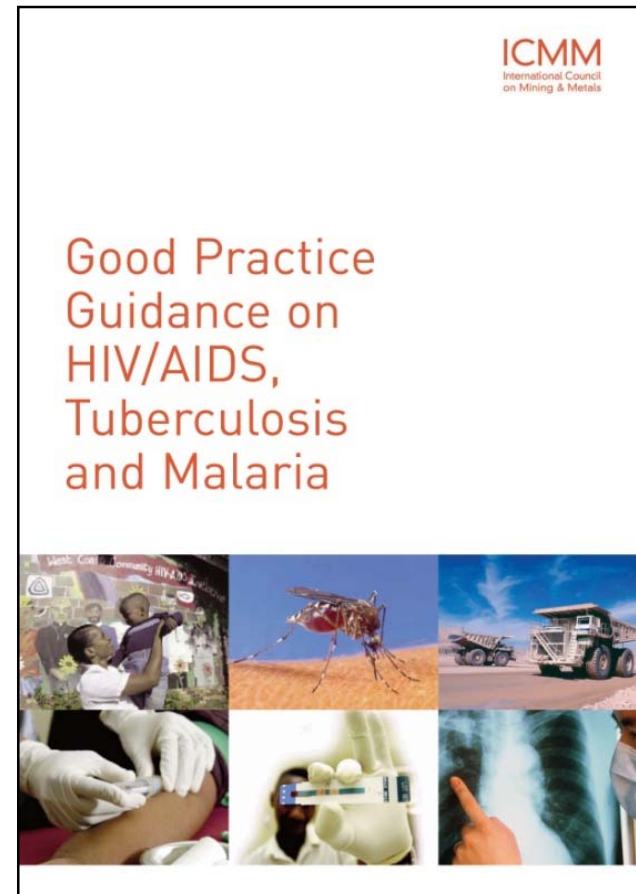
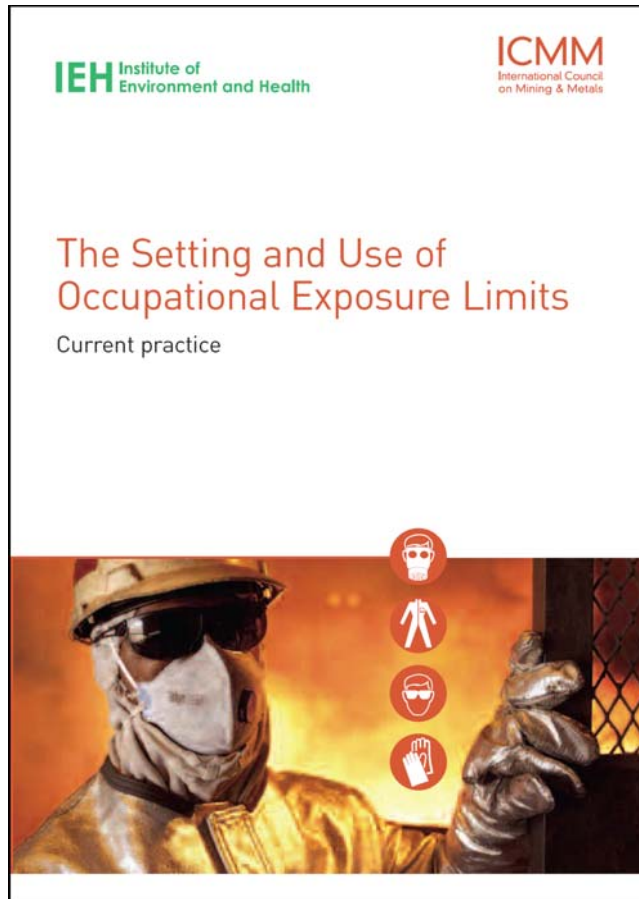
- Published as part of a dialogue between ICMM and the World Conservation Union (IUCN)
- Dialogue objective to explore different aspects of biodiversity conservation in the mining and metals sector

Guide provides:

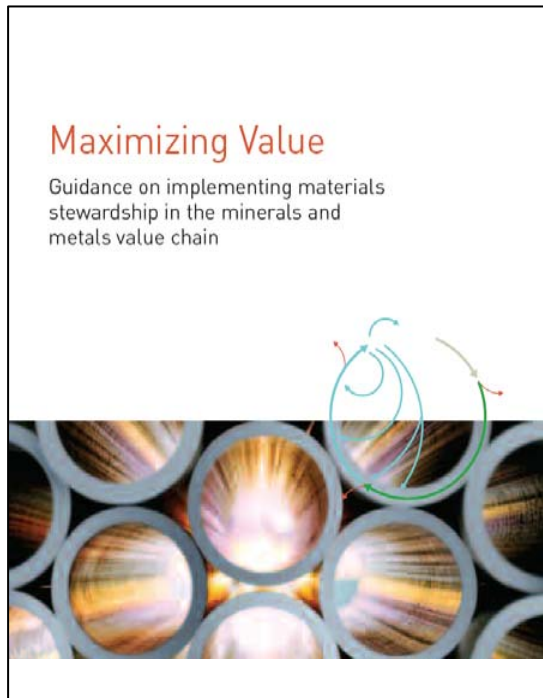
- accessible and practical reference source on biodiversity
- To be used by mining companies from initial exploration to mine closure planning and implementation

# 5. Health and Safety

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# 6. Materials Stewardship



## 4 Key Themes »»

### 1. Take a Systems Perspective

- Understanding material flows and life cycle benefits

### 2. Build new and strengthen existing relationships

- Interacting with other players in the value chain

### 3. Optimize the production and application of minerals and metals

- Implementing Eco-efficiency

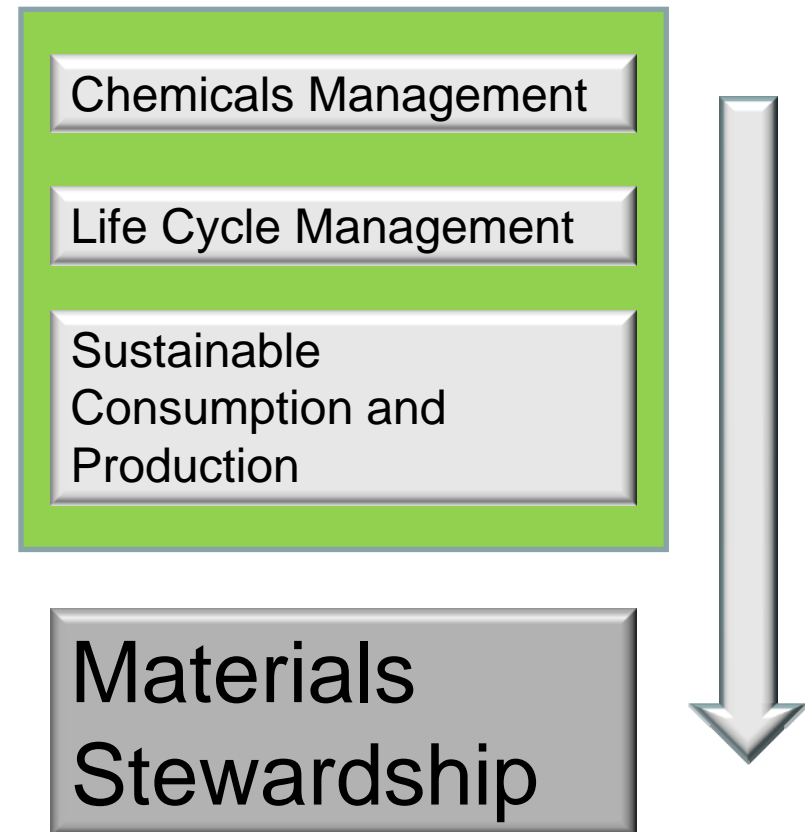
### 4. Contribute to a robust, accessible base of information to support decision making

- Transparent sharing and reporting of data and information

# Chemicals Management

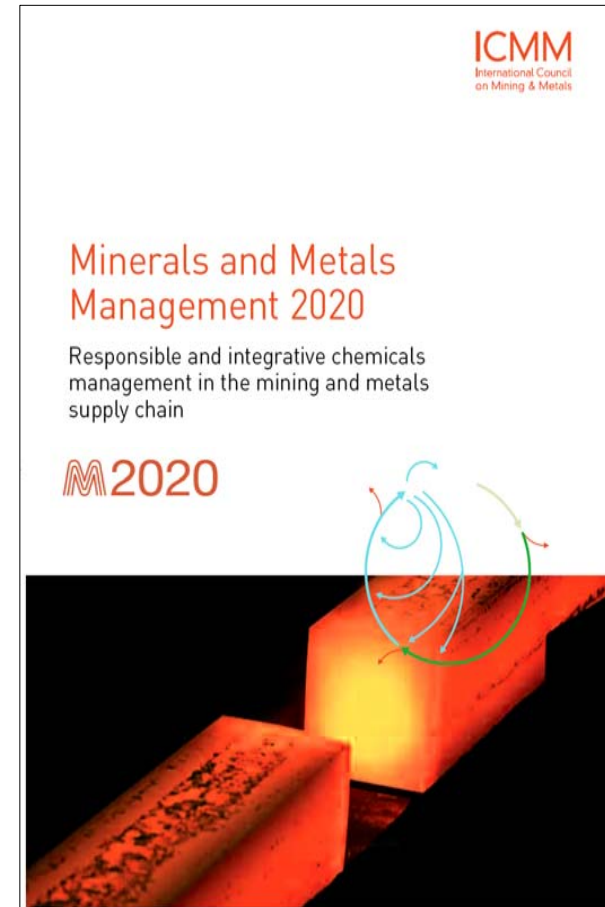
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- Chemicals management is central to sustainable development as recognized at the Rio Earth Summit and the WSSD
- Ores, concentrates, metals and metal compounds as well as substances used in their manufacture are subject to regulation as chemicals
- ICMM has worked extensively with policy makers in recent years to ensure that metals specific issues are taken into account



# Minerals and Metals Management 2020

- In 2006 ICMM committed to developing an action plan for chemicals management in our sector
- Built around the **SD Framework** and concept of **materials stewardship**
- Contains 23 core actions approved by Council
- Responds to the **SAICM** goals that chemicals are used and produced in ways that minimize significant adverse effects on human health and the environment by 2020
- **M2020** poses a significant challenge for ICMM over the next ten years



# Outreach Strategy

- Official launch at Second International Conference on Chemicals Management on 11<sup>th</sup> May
- Extensive communications and outreach planned for coming months
- Aim to maximize reputational capital – positive endorsement already received



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### Minerals and Metals Management 2020

ICMM's members, incorporating many of the world's largest mining and metals companies, are committed to maximizing their contribution to the well-being of society. Robust chemicals management policies are a vital component of our commitment to a more sustainable future.

The United Nations Strategic Approach to International Chemicals Management (SAICM) acknowledges the essential contribution made by minerals and metals to modern societies and economies while at the same time recognizing the potential threat to sustainable development if chemicals are not managed soundly. ICMM therefore welcomes SAICM as a vehicle to promote chemical safety around the world in an efficient, effective and coherent manner.

Minerals and Metals Management 2020 will assist ICMM members in achieving the overarching goal of SAICM, which is that chemicals (including minerals and metals) are used and produced in ways that minimize significant adverse effects on human health and the environment by 2020.

### The benefits

Minerals and Metals Management 2020 will result in beneficial outcomes for all stakeholders in the value chain.

**Value to society**  
A better understanding of the properties of the materials we produce and the products they go into will ensure that those using them are able to extract maximum value while responsibly managing potential risks.

**Value to producers**  
Future markets will favour materials with superior sustainability performance.

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**GOOD PRACTICE**  
The newsletter of the International Council on Mining and Metals  
Vol 8 Issue 1 May 2008

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Chemicals management  
Mercury stewardship  
Life cycle thinking

**ACTION FOR A SAFER WORLD**

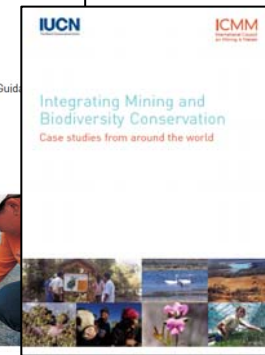


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## MERAG

Metals Environmental Risk Assessment Guide  
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Integrating Mining and Biodiversity Conservation  
Case studies from around the world



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## Integrating Mining and Biodiversity Conservation

Case studies from around the world

# Conclusions

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## Strategy for Uncertain Times

- Address the financial crisis from a sustainability perspective delivering cost competitiveness whilst maintaining standards;
- Build trust; the importance of reporting, assurance, verification
- Nourish and communicate mining's contribution; leverage limited resources through collaboration and partnerships
- Act now with a view to the long-term

# Thank You For Your Attention

For further information  
please contact:

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