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IGF AGM 2018

United Nations Resource Management System

Rewriting the resource development story

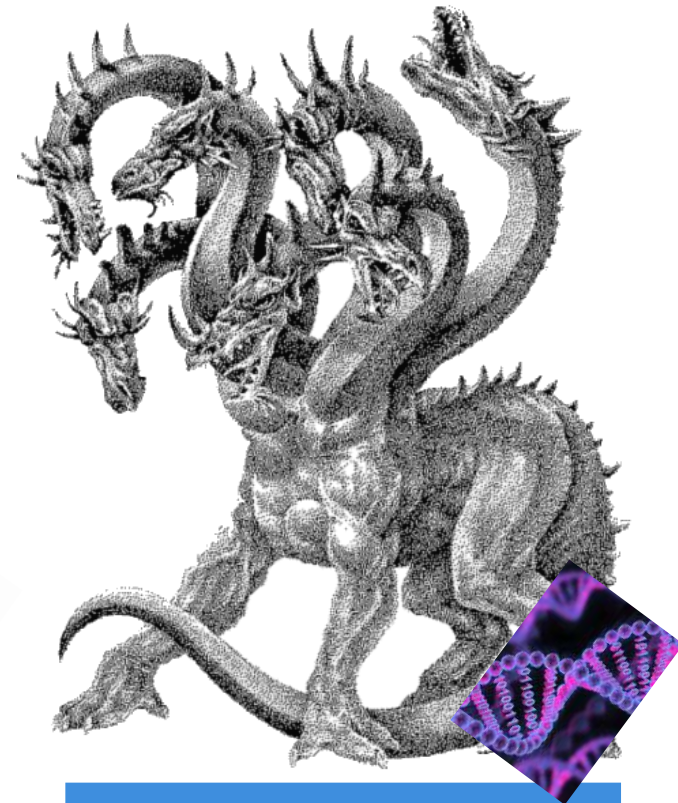
The Triad



The Sword of Damocles



The Phoenix



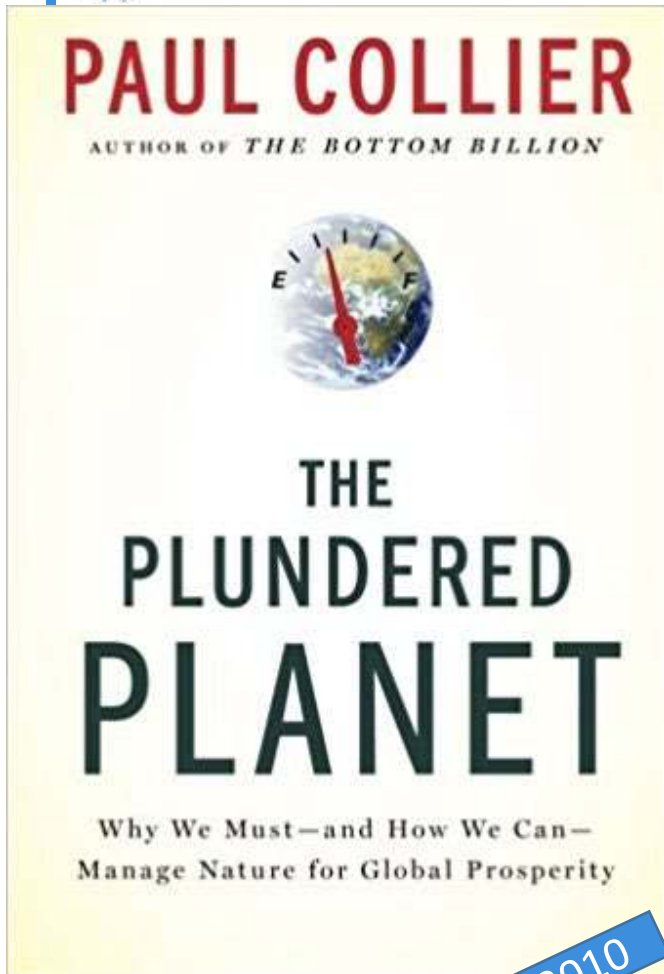
The Hydra

Mining and the society

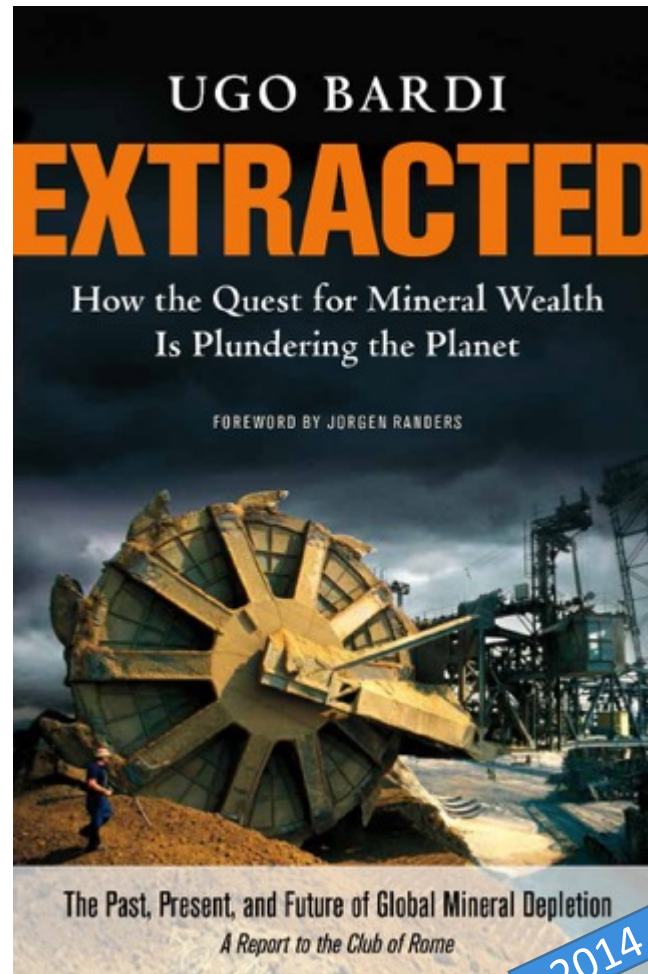
Eroding thrust and confidence



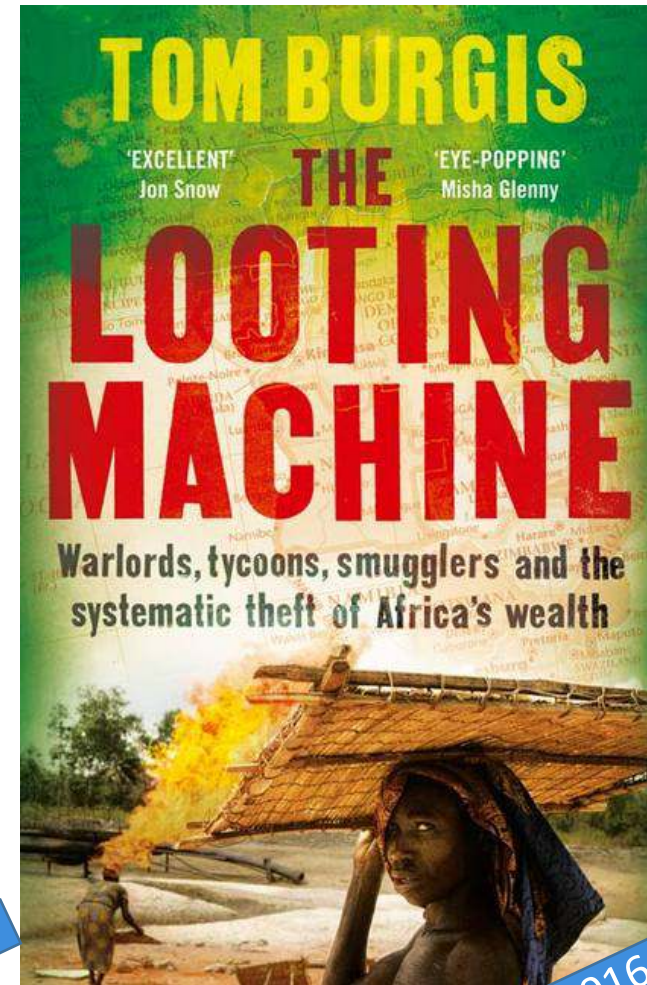
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2010



2014



2016

Ban on mining

Mining is seen as an undesirable activity



UNEP

Philippines bans open-pit mining as minister toughens crackdown

Enrico Dela Cruz and Manolo Serapio Jr

3 MIN READ



April 2017

FILE PHOTO: A view of nickel ore stockpiles at a port in Sta Cruz Zambales in northern Philippines February 8, 2017.

Erik De Castro/File Photo

MANILA (Reuters) - Philippine Environment Secretary Regina Lopez said on Thursday she will ban open-pit mining in the country, toughening a months-long crackdown on the sector she blames for extensive environmental damage.

El Salvador becomes first country to ban all metal mining

Cecilia Jamasmie | Mar. 30, 2017, 3:02 AM | 7,421 | 19

PEOPLE.MINE | FACEBOOK | LINKEDIN | TWITTER | EMAIL

March 2017



The "Freedom Square," in El Salvador. (Image: Shutterstock.)

Lawmakers in El Salvador, Central America's smallest nation, have passed a law that bans all mining for gold and other metals, making the country the world's first to impose such a broad prohibition on the extraction of minerals, environmentalists and human rights groups said.

Mining bans have become part of State policies

The Challenge



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EXTRACTIVE

a 'drain' industry
that leaves nothing
behind

COMMODITY

raw material traded with
no
value-addition

EXPLOITIVE

operate in an unfair,
underhand and degrading
manner

Resources Value Chain

A chain or nested dolls?



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Invisible Mining



- Open data repositories enable collaborative research, innovation and planning.
- Secondary raw materials play an increasingly important role, but cannot satisfy total demand.
- Positive public image of mining – it is regarded as a diverse and high-tech industry.
- Technological progress has many effects (better exploration, higher automation, reduced need for energy & water, mining of previously sub-economic mines).

<http://bit.ly/2w070w0>



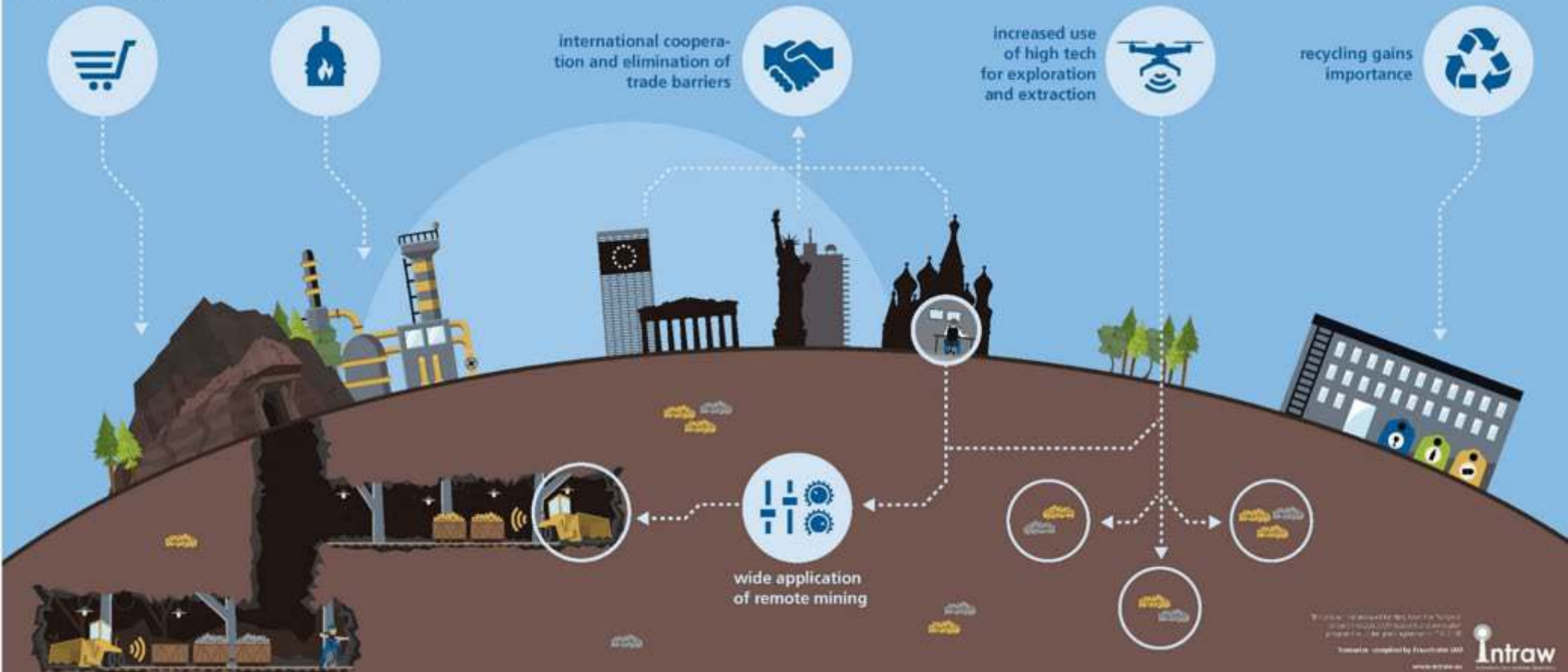
increased demand for raw materials due to growing consumption

vertical integration of processing industry

international cooperation and elimination of trade barriers

increased use of high tech for exploration and extraction

recycling gains importance



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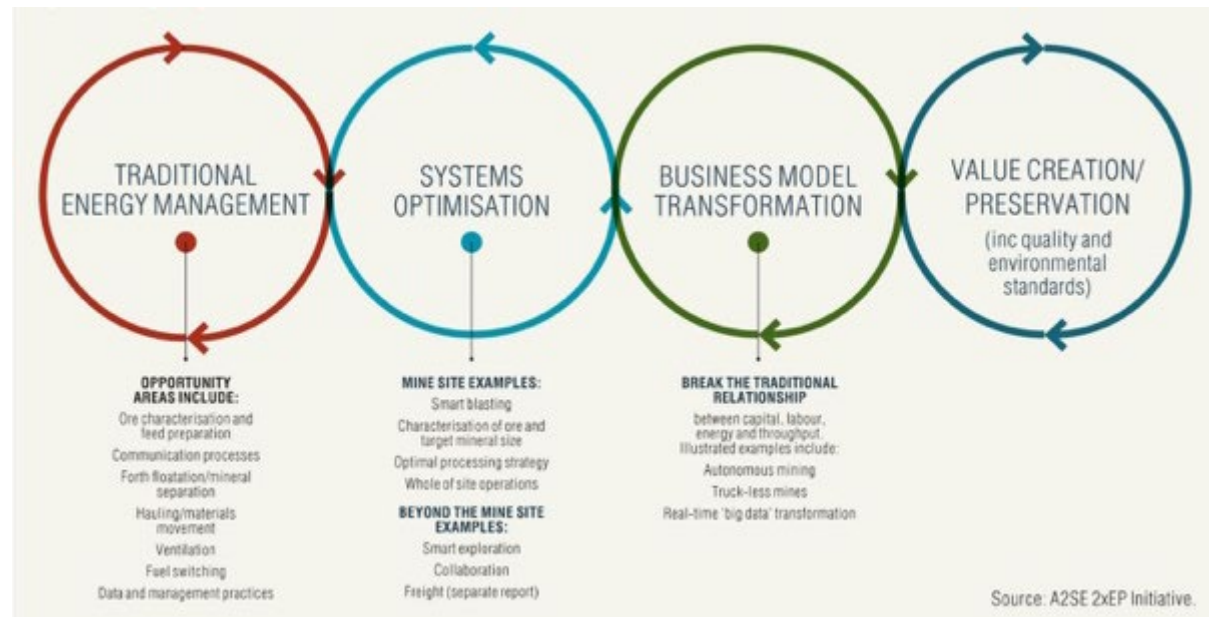
Illustration: compiled by Freestockart.com



Value beyond minerals



- New business models needed to:
 - Discover of “clusters of value”
 - **Value-added** mineral products and services
 - **Comprehensive recovery**
 - Secondary resources from “wastes” – **Zero waste**
 - **Water resources**
 - **Land resources**

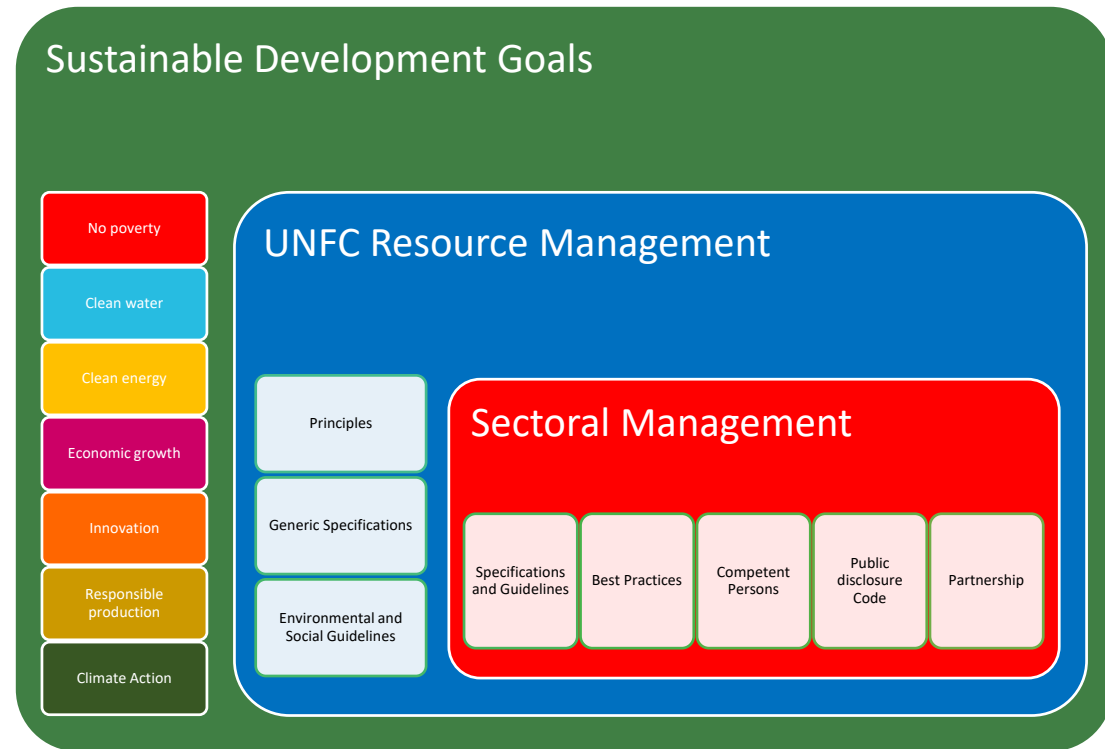


From fragile to resilient to antifragile

United Nations Resource Management System



- Overarching SDG framework
- With reworked United Nations Framework Classification for Resources (UNFC) as the core
- Long-term policy making and planning
- Shorter-term actions - make resource projects competitive through innovative approaches
- Efficient financial capital allocation
- Reduce environmental burden, carbon foot-print
- Increase collaboration globally

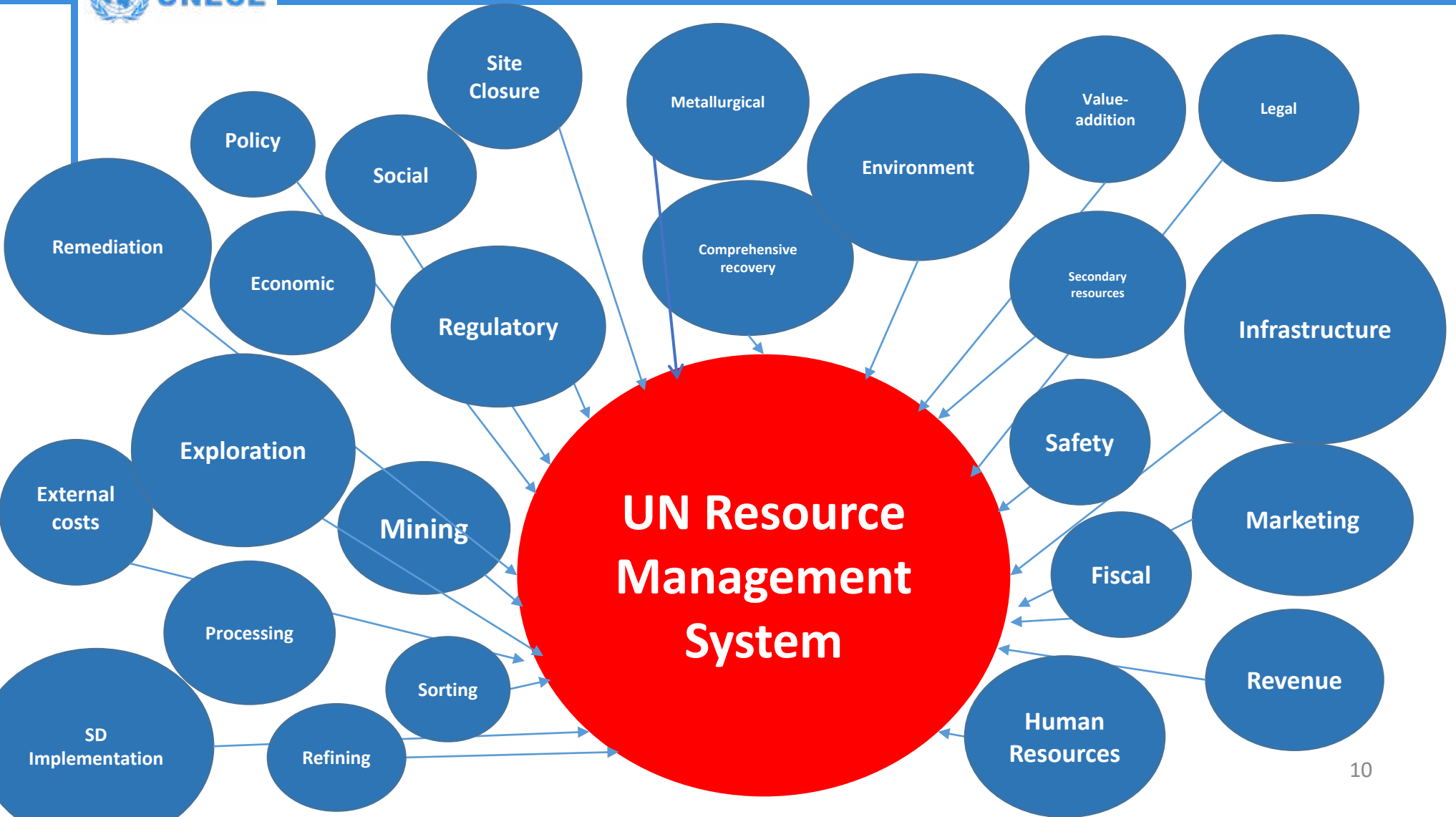


A new good story for the minerals sector?

A Global Workspace



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UNRMS for the World

The Hydra?



- **UNFC-UNRMS for Africa, African Union Commission** initiative to develop and implement a unique continental system for the sustainable management of mineral and energy value chain in Africa
- **UNFC-UNRMS for Europe, European Commission** led initiative harmonizing the classification and management of raw materials in Europe
- **UNFC for Eurasia and Asia-Pacific**, connecting the vast and diverse Eurasian landmass and Oceania
- **UNFC-UNRMS for the Americas**, a comprehensive system sensitive to indigenous cultures and diverse environments of the Americas



Delivered with a new perspective and over 25 years of experience in developing a universal standard for resource management





Thank you!

Harikrishnan Tulsidas
Economic Affairs Officer
UNECE

Date 18 | 10 | 2018, Geneva

