

Regional Training Course on “United Nations Framework Classification – 2009 for evaluation of uranium and thorium resources and to leverage transparent and effective communications”

18 - 22 October, Luxor, Egypt

UNFC-2009, Sustainable Development Goals and Africa Mining Vision: Need for a synthesis?

Hari Tulsidas



IAEA

International Atomic Energy Agency

1972

If the present growth trends in world population, industrialization, pollution, food production, and resource depletion continue unchanged, the limits to growth on this planet will be reached within the next one hundred years

Limits to Growth, 1972.

A report for the Club of Rome

THE LIMITS TO GROWTH



Donella H. Meadows Dennis L. Meadows
Jorgen Randers William W. Behrens III

A report
for the
CLUB OF ROME'S
project on the
predicament of mankind.

2015

Commodity prices have fallen to their lowest level since the financial crisis and — by at least one measure — to the lowest this century.



Mining boom since 2004 made the industry complacent



- Declining productivity**
- Declining efficiency**
- Declining quality of new discoveries**
- Loss of confidence by investors**



Contracting economies
Layoffs
Increasing conflicts

Change the 100+ year old mining industry narrative ?



“Running a mining operation that is profitable and rewarding for all stakeholders, remains hugely challenging”

Paula Munsie, CEO, Mining Indaba

What to do when left behind?

Take the inventory

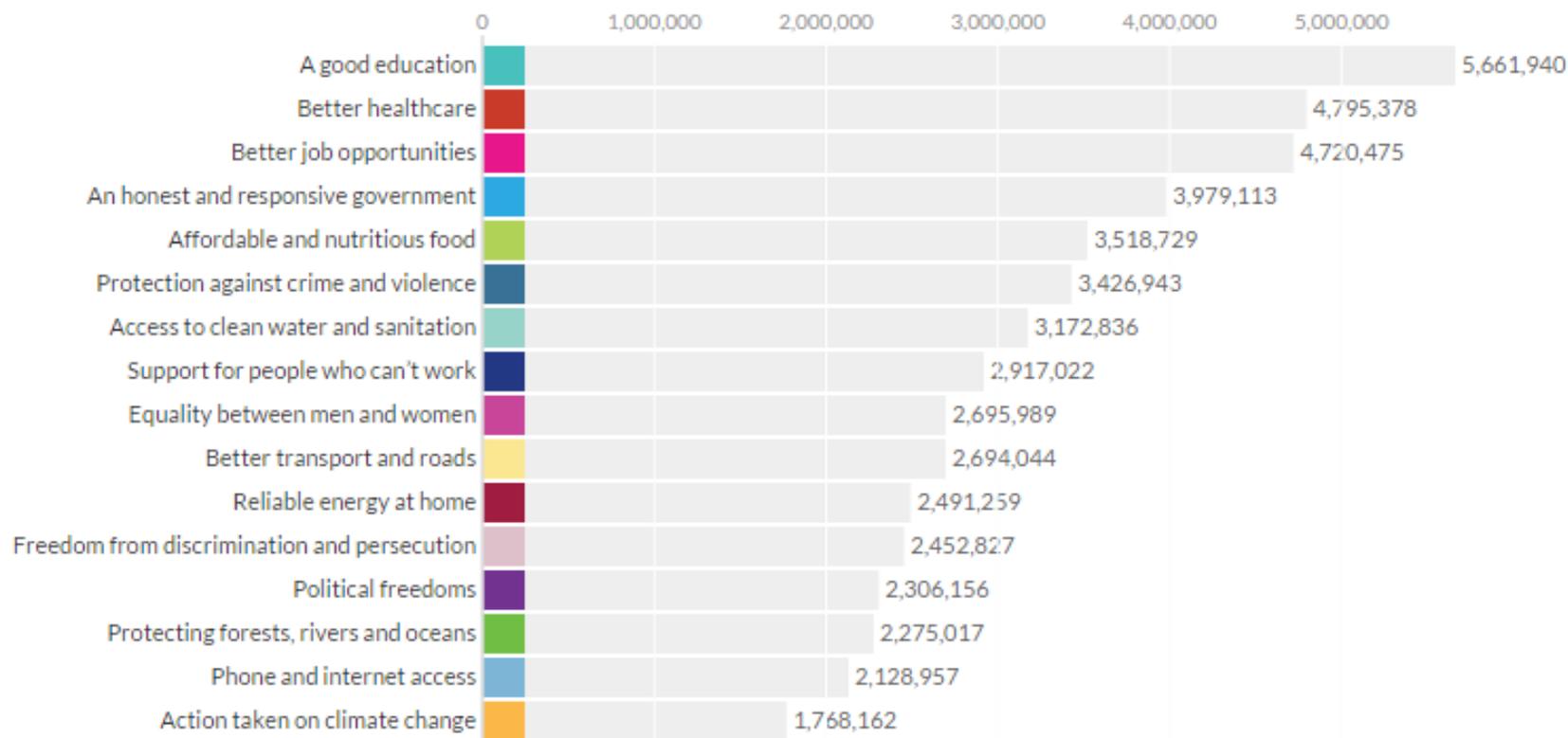
Make some
calculations

Put ideas into
action



The world I want

8,576,758 votes for All Countries & Country Groups / All Genders / All Education Levels / Age Group (All Age Groups)



17 goals for leaving no one behind



1 NO POVERTY



2 ZERO HUNGER



3 GOOD HEALTH AND WELL-BEING



4 QUALITY EDUCATION



5 GENDER EQUALITY



6 CLEAN WATER AND SANITATION



7 AFFORDABLE AND CLEAN ENERGY



8 DECENT WORK AND ECONOMIC GROWTH



9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



10 REDUCED INEQUALITIES



11 SUSTAINABLE CITIES AND COMMUNITIES



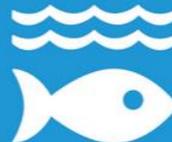
12 RESPONSIBLE CONSUMPTION AND PRODUCTION



13 CLIMATE ACTION



14 LIFE BELOW WATER



15 LIFE ON LAND



16 PEACE, JUSTICE AND STRONG INSTITUTIONS



17 PARTNERSHIPS FOR THE GOALS



“We are committed to achieving sustainable development in its three dimensions — economic, social and environmental — in a balanced and integrated manner” - Heads of 193 Countries

SDGs incorporates the Africa Mining Vision

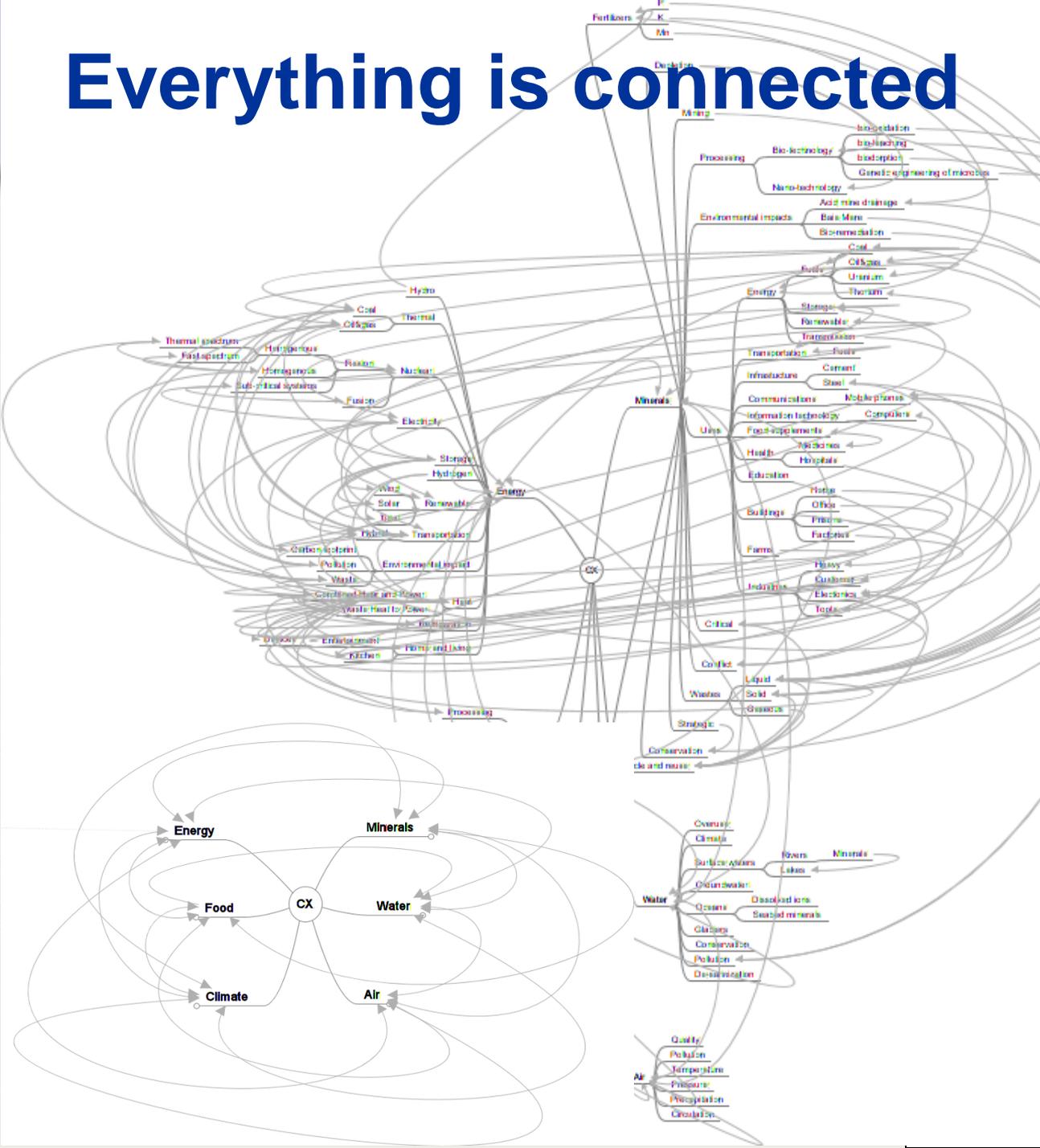
Transparent, equitable and optimal exploitation of mineral resources to underpin broad-based sustainable growth and socio-economic development

Mining intersects with each of the 17 SDGs



Integrated
Interdependent
Inclusive
Indivisible
Interconnected
Interlinked
Innovative
Irreversible

Everything is connected



Transformative
Win-win
Equitable
Productive
Resilient
Reliable
Creative

Mineral “inventories” are key to many goals



Improve land and soil quality



Encourage innovation



Improve water quality by reducing pollution



Sustainable management of natural resources; reduce wastes



Affordable, reliable and modern energy



Effective and targeted capacity-building



Focus on high-value added sectors

UNFC can have many dimensions beyond what is obvious

International best practice for sustainable management of resources

Standard for reporting base-line data on natural resources

Tool for managing these mineral resources required for food production

Interconnected tool to manage impact on water systems

Unified management system for all energy resources

Value-addition possibilities can be quantified

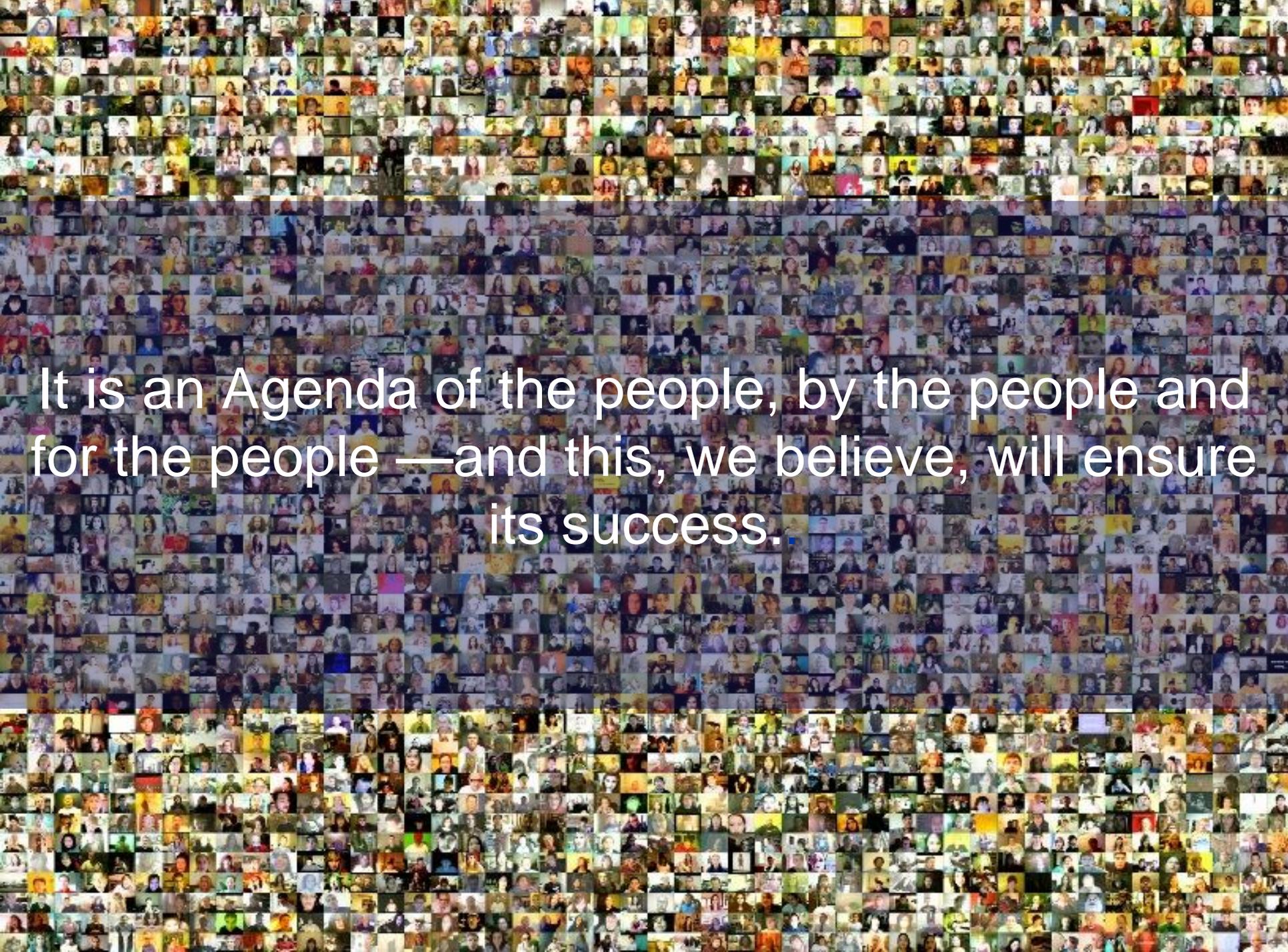
Issues related to environmental impact and mitigation can be assessed

Sustainability reporting can be linked to UNFC-2009

Promotes multi-stake holder global partnership

Provides a frame-work for high-quality data for monitoring progress





It is an Agenda of the people, by the people and for the people —and this, we believe, will ensure its success.

Thank you

Mr Harikrishnan TULSIDAS | Nuclear Technology Specialist |

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