

Sustainable Resource Management and the 2030 Agenda for Sustainable Development

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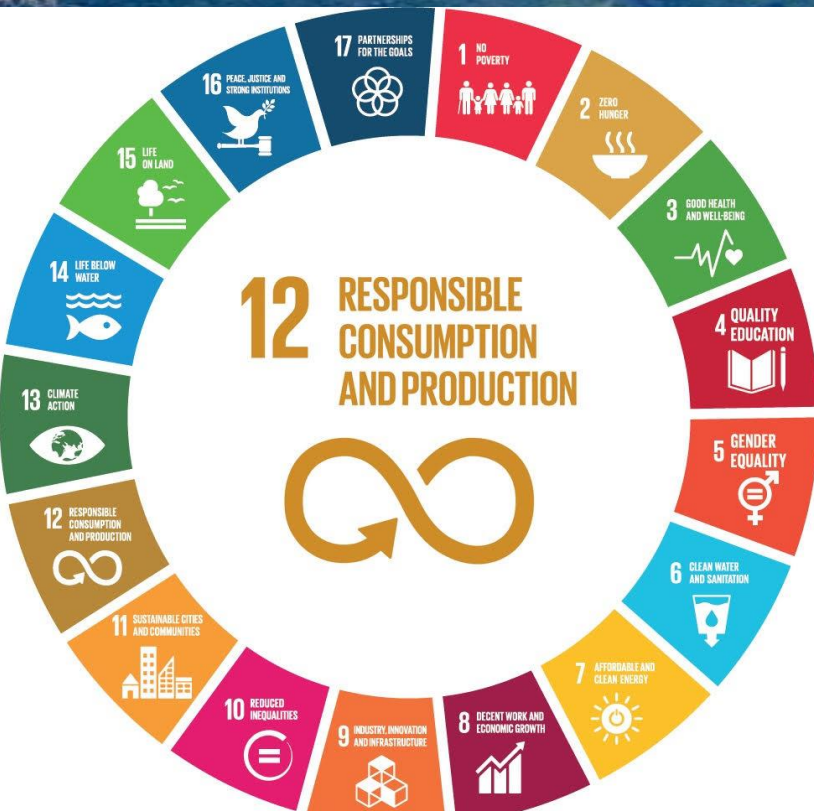
Tyumen Oil and Gas Forum, 17-19 September 2019
Tyumen, Russian Federation

The 2030 Agenda



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By 2030, achieve sustainable management and efficient use of natural resources



Natural Resources Trends



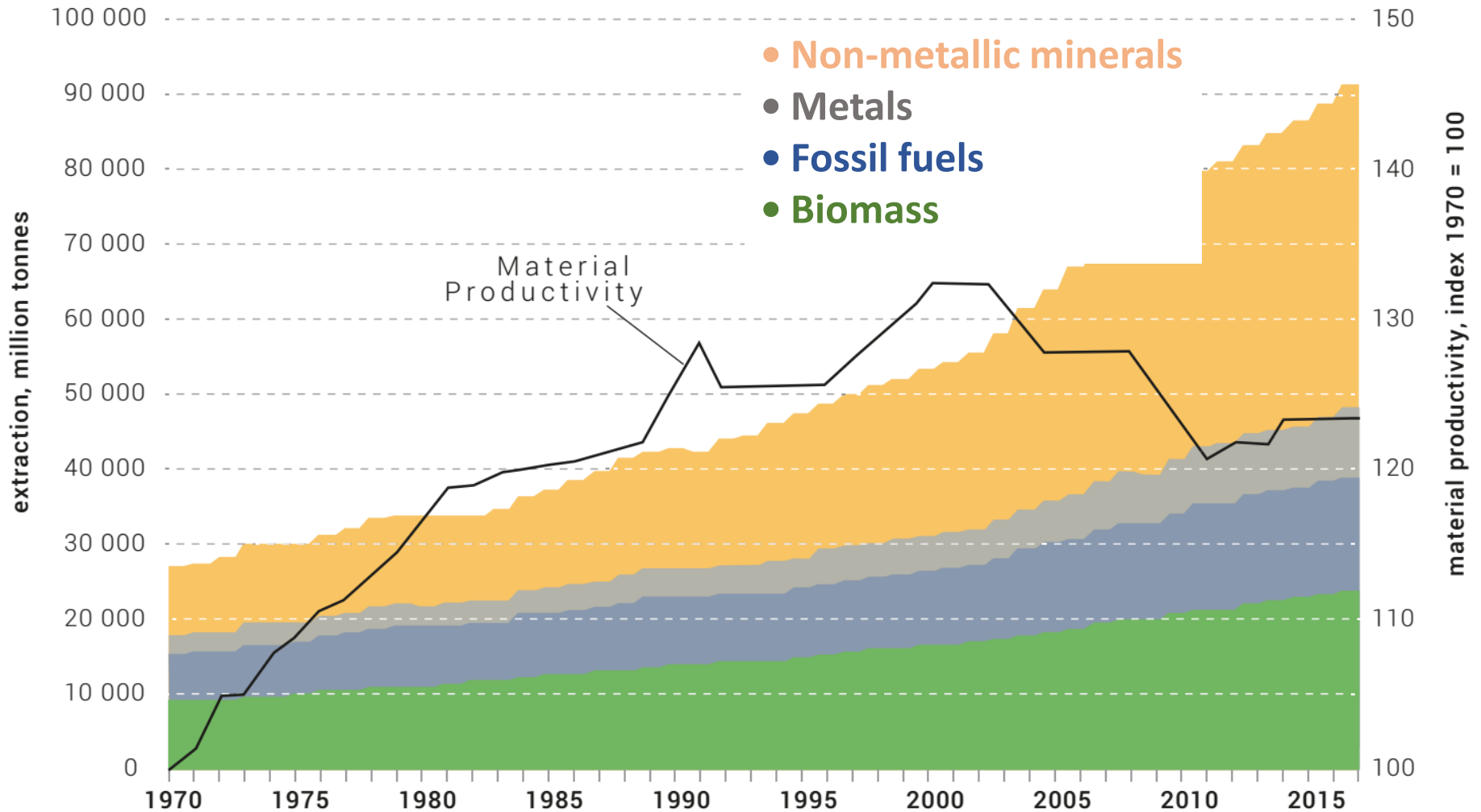
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**From 1970 to 2017, annual
global extraction of materials grew
from 27 to 92 billion tonnes**

Natural Resources Trends



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Natural Resources Trends



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Material Footprint tonnes per capita



Low
Income



Lower-Middle
Income



Upper-Middle
Income



High Income

● 1970
● 2017

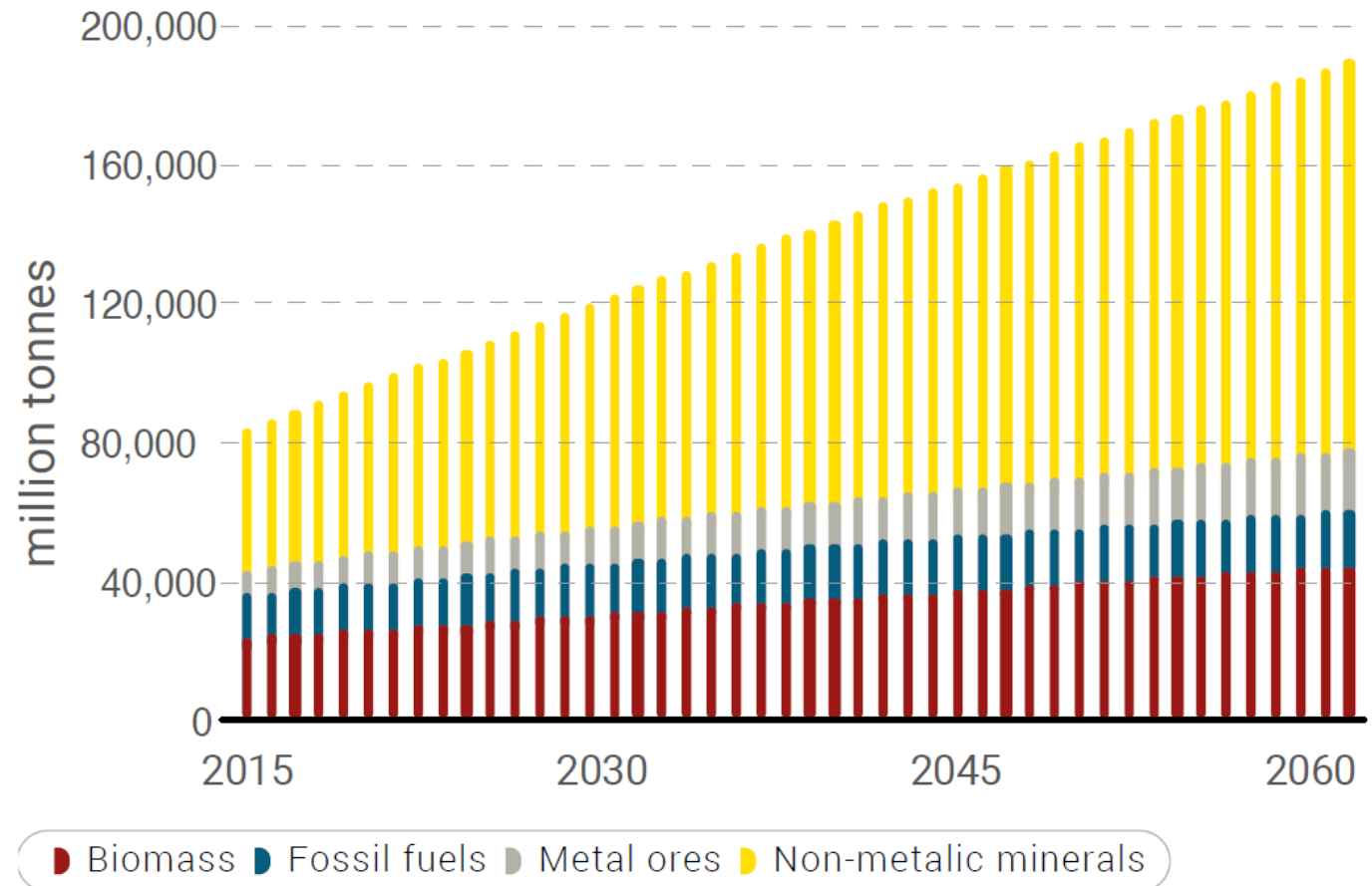
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Natural Resources Outlook



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**By 2060
resource use
is expected to
grow from
11.9 tonnes
to 18.5
tonnes per
capita**



Natural Resources Outlook



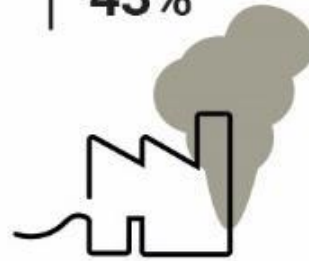
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↑ more than
doubles



Global material
extraction

↑ increases by
43%



Greenhouse gas
emissions

↑ increases by
more than **20%**



Area of
agricultural land

↑ increases by
25%



Global
pasture land

↓ reduces by
over **10%**



Forests

↓ reduces by
around **20%**



Other
natural habitat

Sustainability in resource production



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By 2018, 108 countries had national policies and initiatives related to sustainable consumption and production

Sustainability in resource production



UNEP

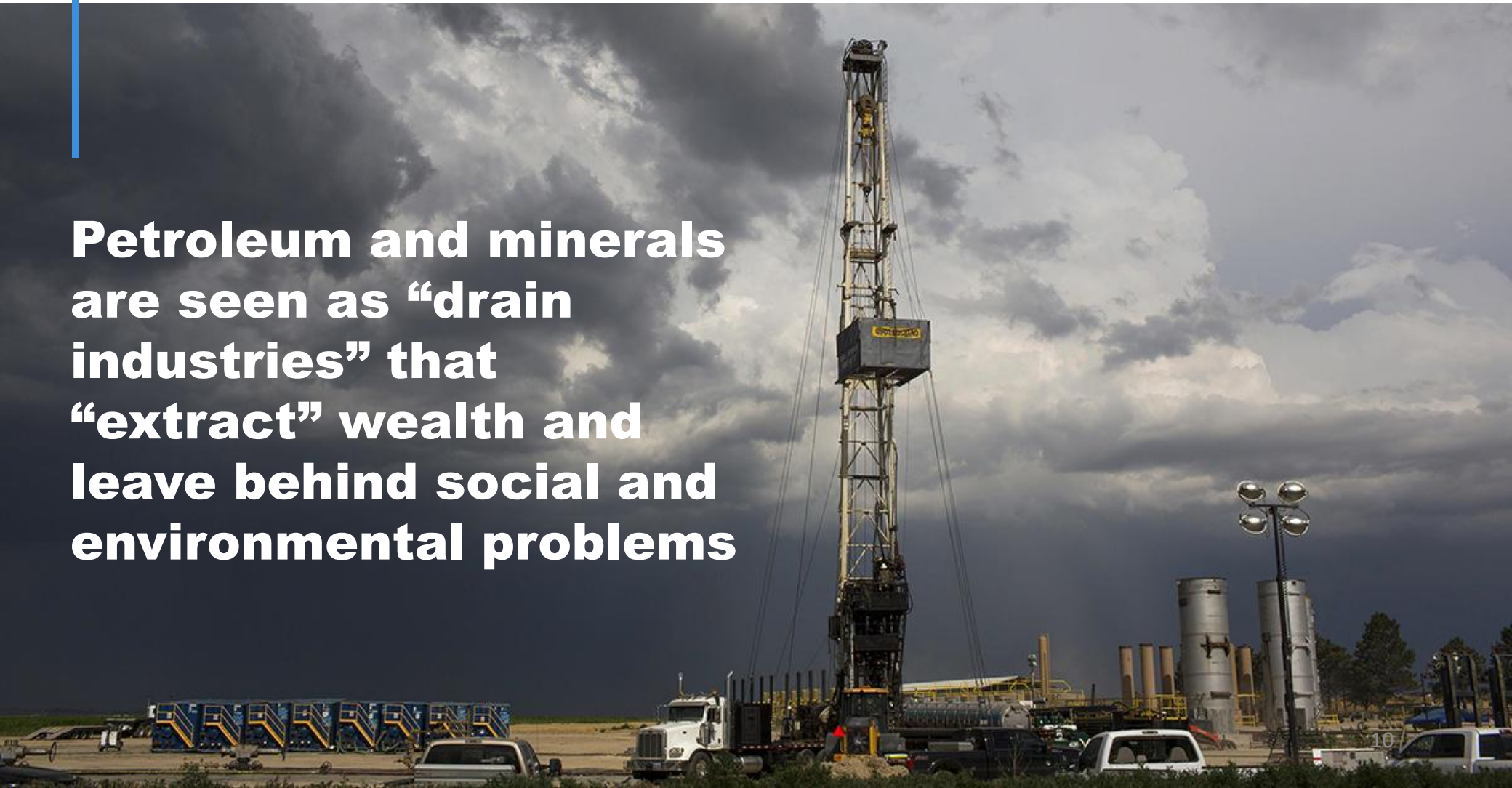
**Over 90% of the
world's 250 largest
companies report on
sustainability**

There is an image problem



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**Petroleum and minerals
are seen as “drain
industries” that
“extract” wealth and
leave behind social and
environmental problems**



What is lacking?



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**A tool-kit for
sustainable
management of
resources**



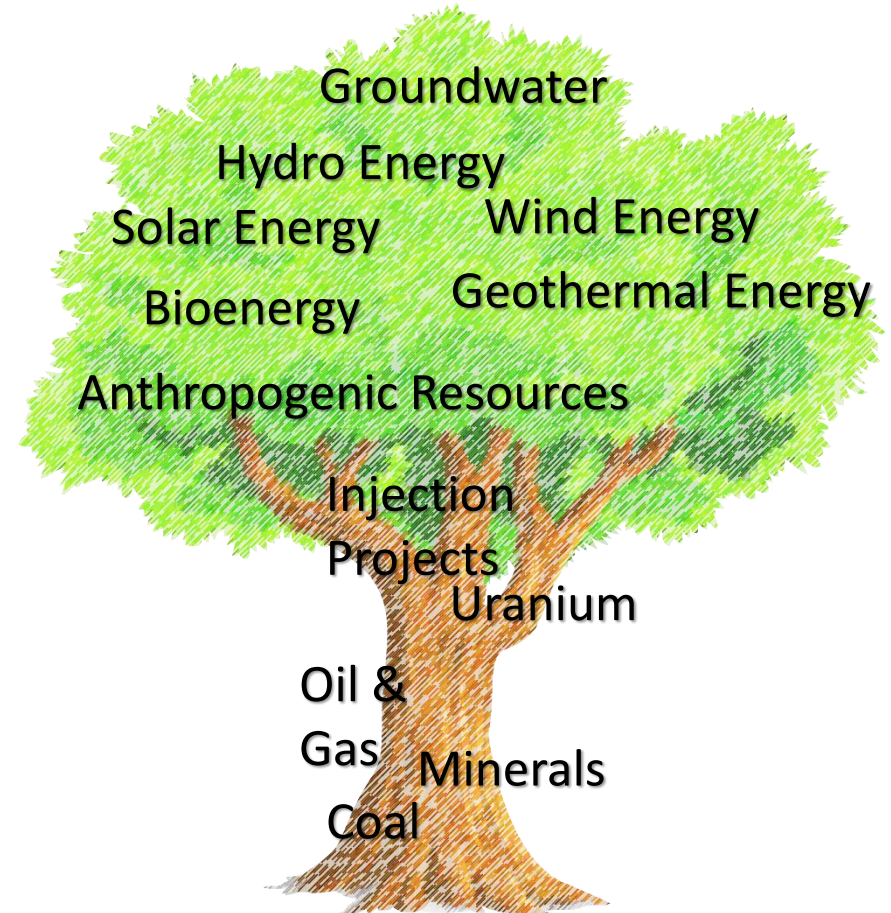
Bridging the gap



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UNFC and UNRMS:

- Align resource management to the 2030 Agenda
- Improve financial resilience through business process innovation
- Derive good social, environmental and economic outcomes
- Obtain social licence to operate



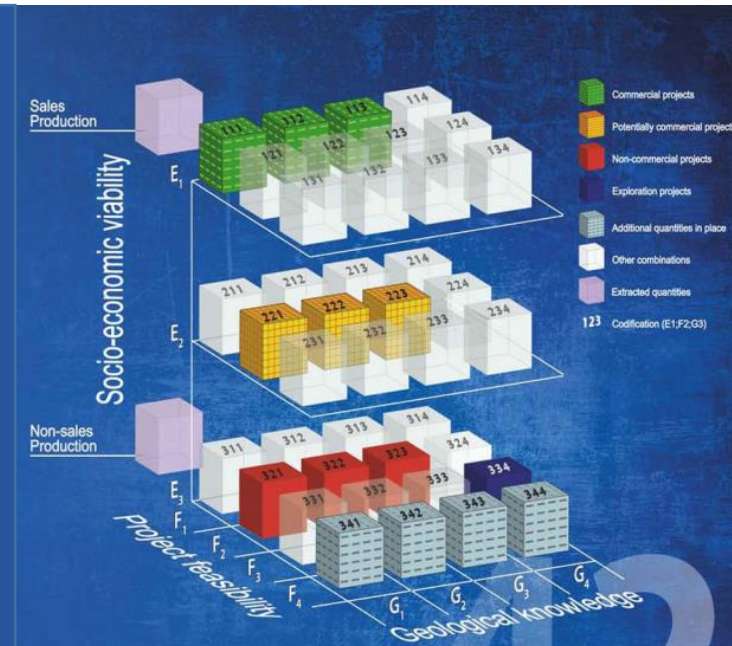
Why UNFC and UNRMS?

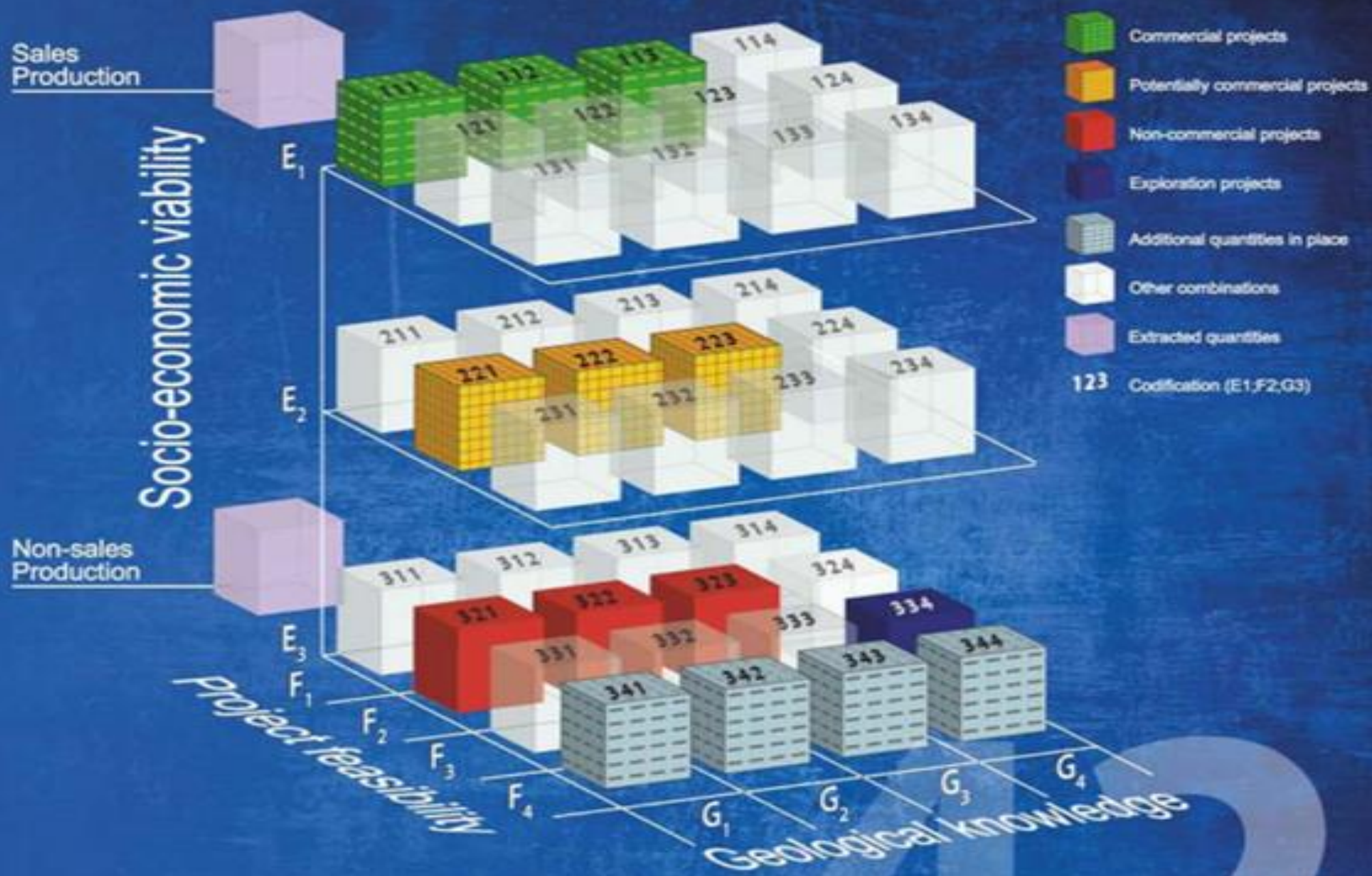


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- Understand and manage all resources in a coherent framework
- Applicable horizontally and vertically to all sectors
- Embed all project risks and opportunities

UNFC and UNRMS promote clear thinking and a shared vision

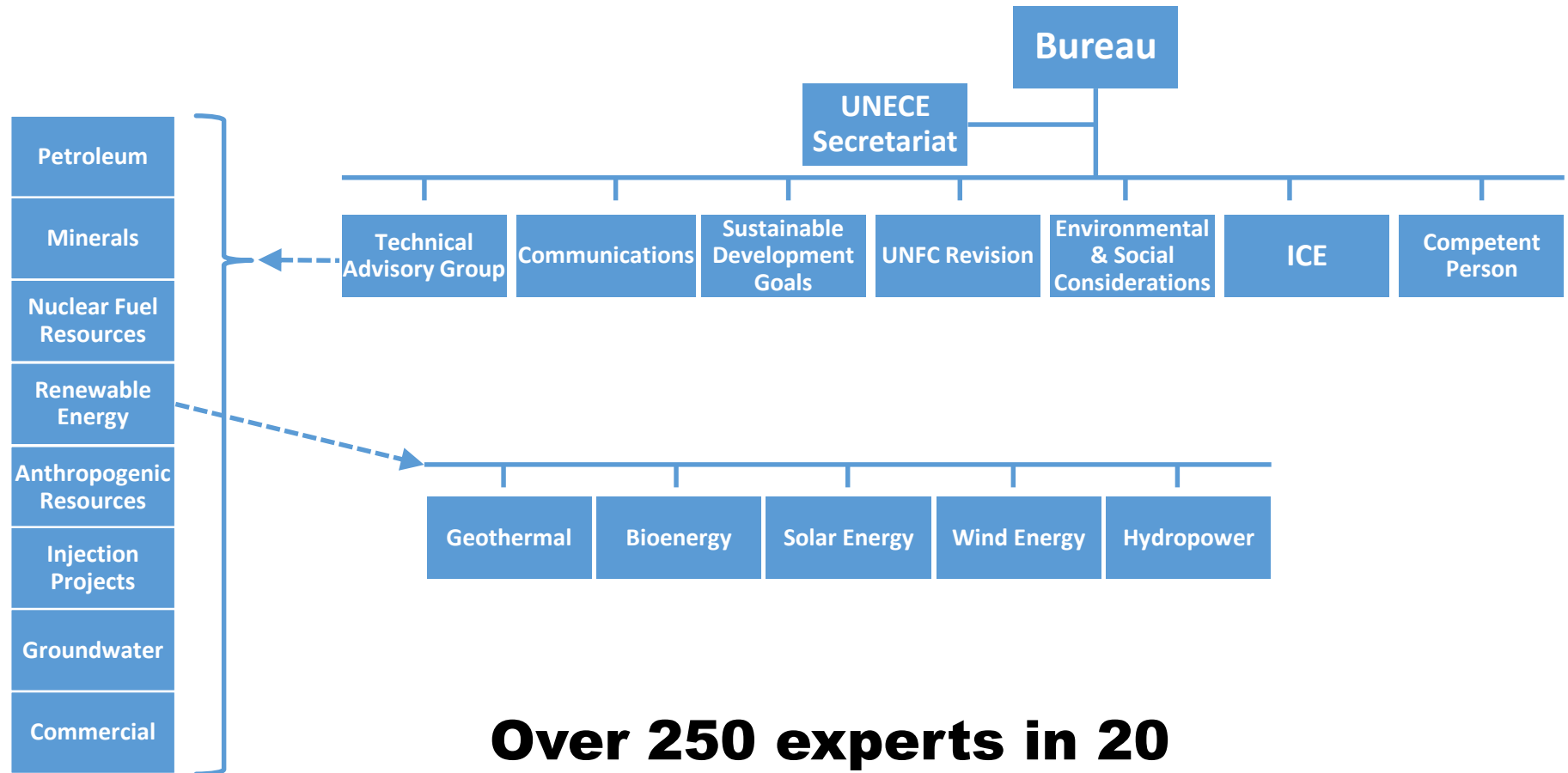




EGRM Work Groups



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Over 250 experts in 20 work groups

UNFC Adoption

Global Deployment of UNFC



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- **UNFC for Africa - African Union Commission** adopting UNFC as the sustainable management tool for Africa
- **UNFC for Europe – European Commission**-led initiative to assess use of UNFC in Europe.
- **Norway** and **Mexico** petroleum pilot studies
- **China** has bridged its minerals and petroleum classifications
- **Russian Federation** bridged oil & gas classification
- Coordinating Committee for Geoscience Programmes in **East and South-east Asia** (CCOP) to develop guidelines
- UNFC is part of United Nations **System of Environmental-Economic Accounting (SEEA)**, a system for national information on economy and environment.



Achieving the 2030 Agenda



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A network of International Centres of Excellence on Sustainable Resource Management to drive implementation and build human and institutional capability

What will the Centre do?



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Cross-fertilize new ideas on resource management
Scale up implementation to a commercial scale
Access to financing through new industry standards
Competent Person Frameworks
Share information and experiences

A new industry reporting framework



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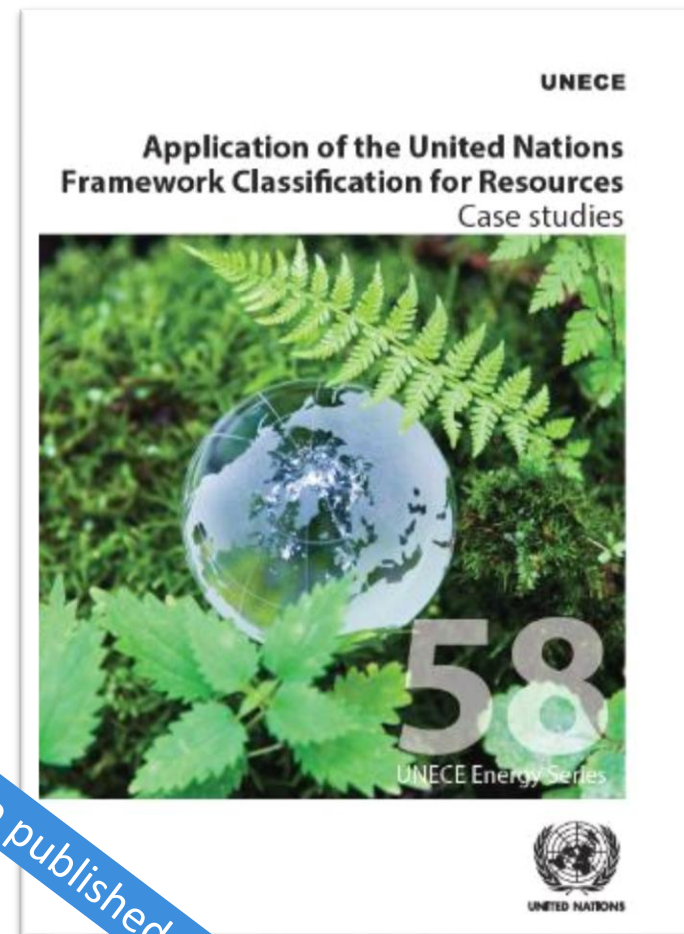
- Primary requirement for 2030 Agenda
- Beyond “extractive” and “commodity” mindsets to “circularity”
- Trust in relation to stockholders and stakeholders
- Supporting “green bonds” and similar instruments
- UNRMS enabled global Competent Person framework



Why a global centre?



- Resource management models of the past have been helpful, but have contributed to today's challenges
 - Climate change
 - Waste issues
 - Social issues
- A new set of rules aligned to 2030 Agenda is being written by UNFC and UNRMS, which will help deliver on
 - Social gains
 - Environmental gains
 - Economic gains



ICE-SRM Russia



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- **Broad socio-economic development**
- **Address infrastructure gaps**
- **Deployment of frontier technologies**
- **Agile business processes across entire resource life cycle**
- **New International Resource Reporting Standards**
- **Competent Person Framework**
- **Financial inflows**
- **Global Collaboration**



Thank you!

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www.unece.org/energy/se/reserves.html



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