

Sustainable Resource Management and the 2030 Agenda

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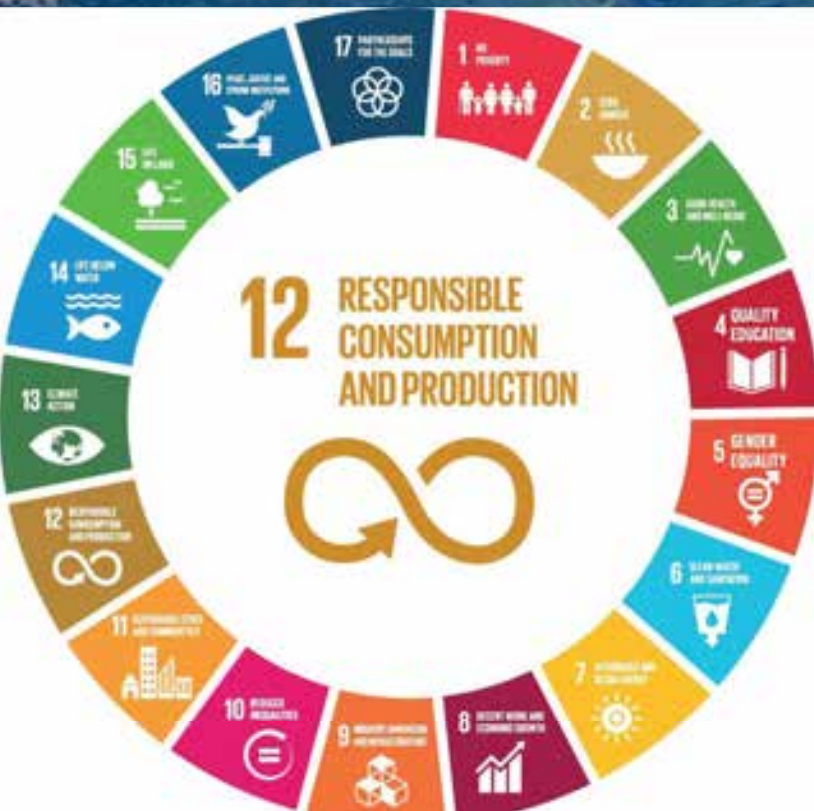
Workshop on UNFC Mexico
Petroleum Pilot Project
Mexico City, 14 June 2019



The 2030 Agenda



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

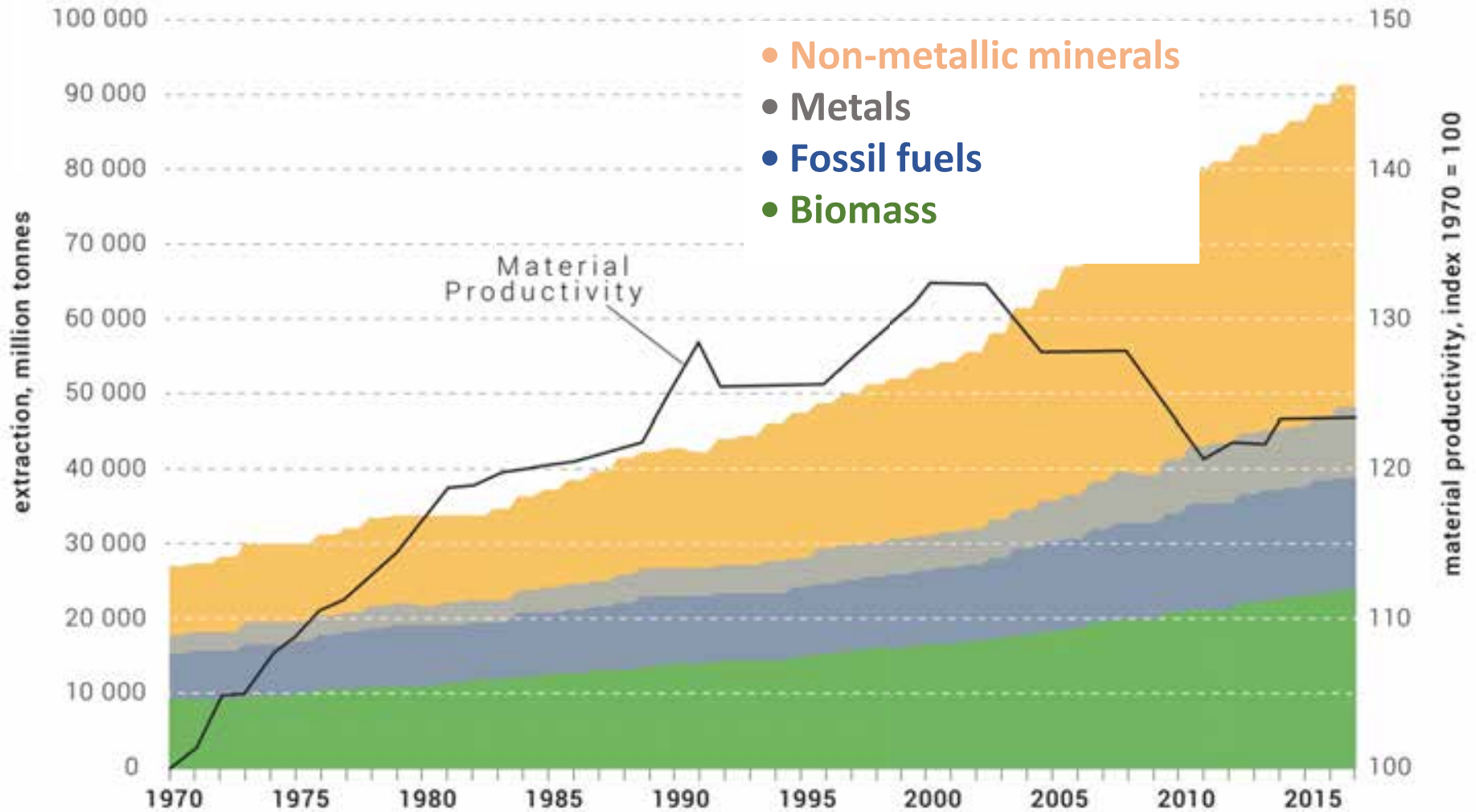


Natural Resources Trends



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

Natural Resources Trends



Natural Resources Trends

Material Footprint tonnes per capita



Low
Income



Lower-Middle
Income



Upper-Middle
Income



High Income

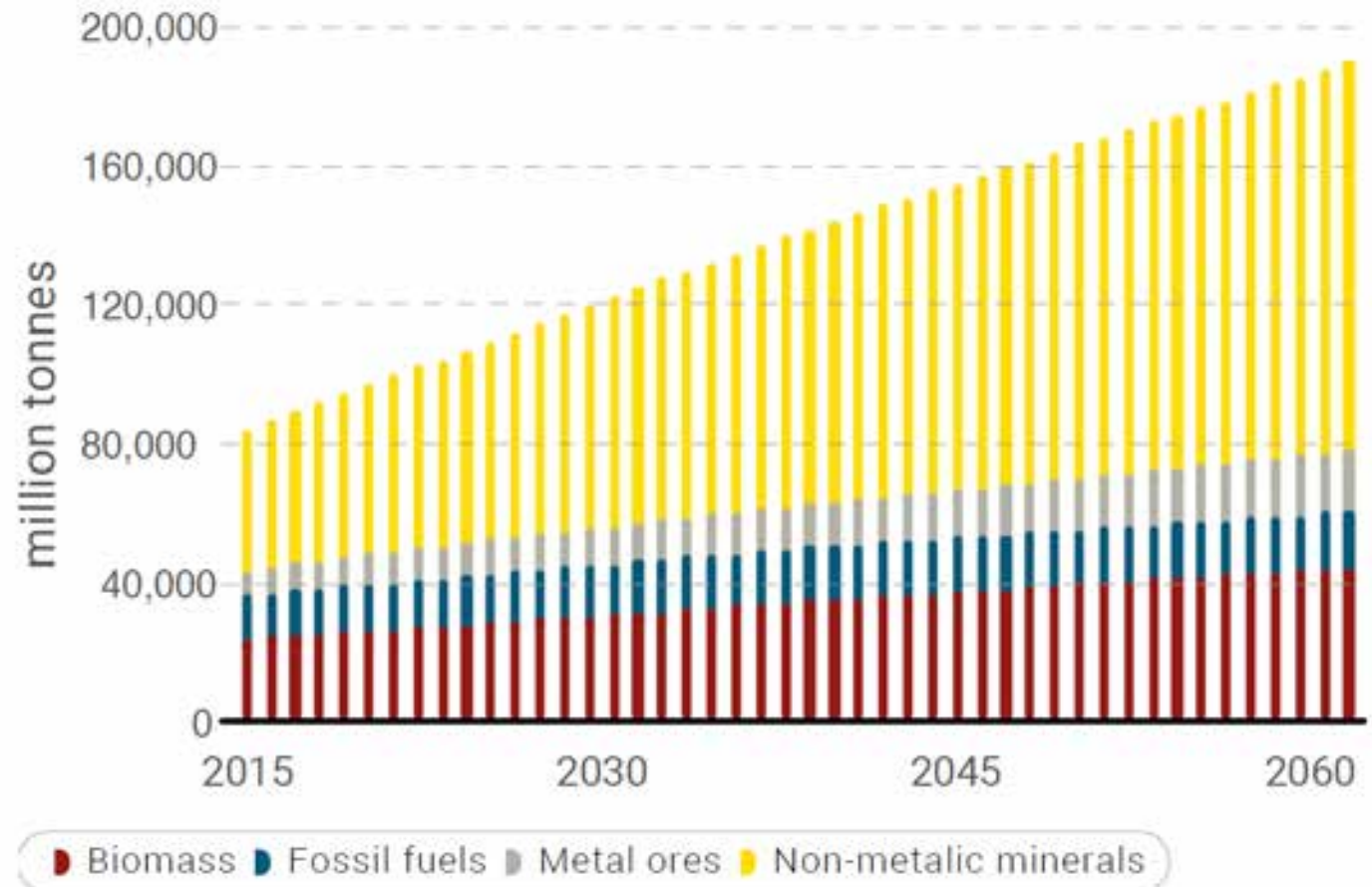


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Natural Resources Outlook



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



Natural Resources Outlook



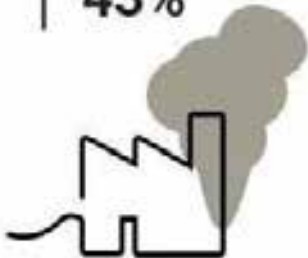
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↑ more than **doubles**



Global material extraction

↑ increases by **43%**



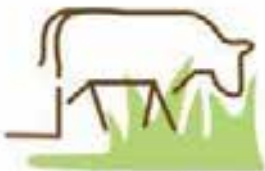
Greenhouse gas emissions

↑ increases by more than **20%**



Area of agricultural land

↑ increases by **25%**



Global pasture land

↓ reduces by over **10%**



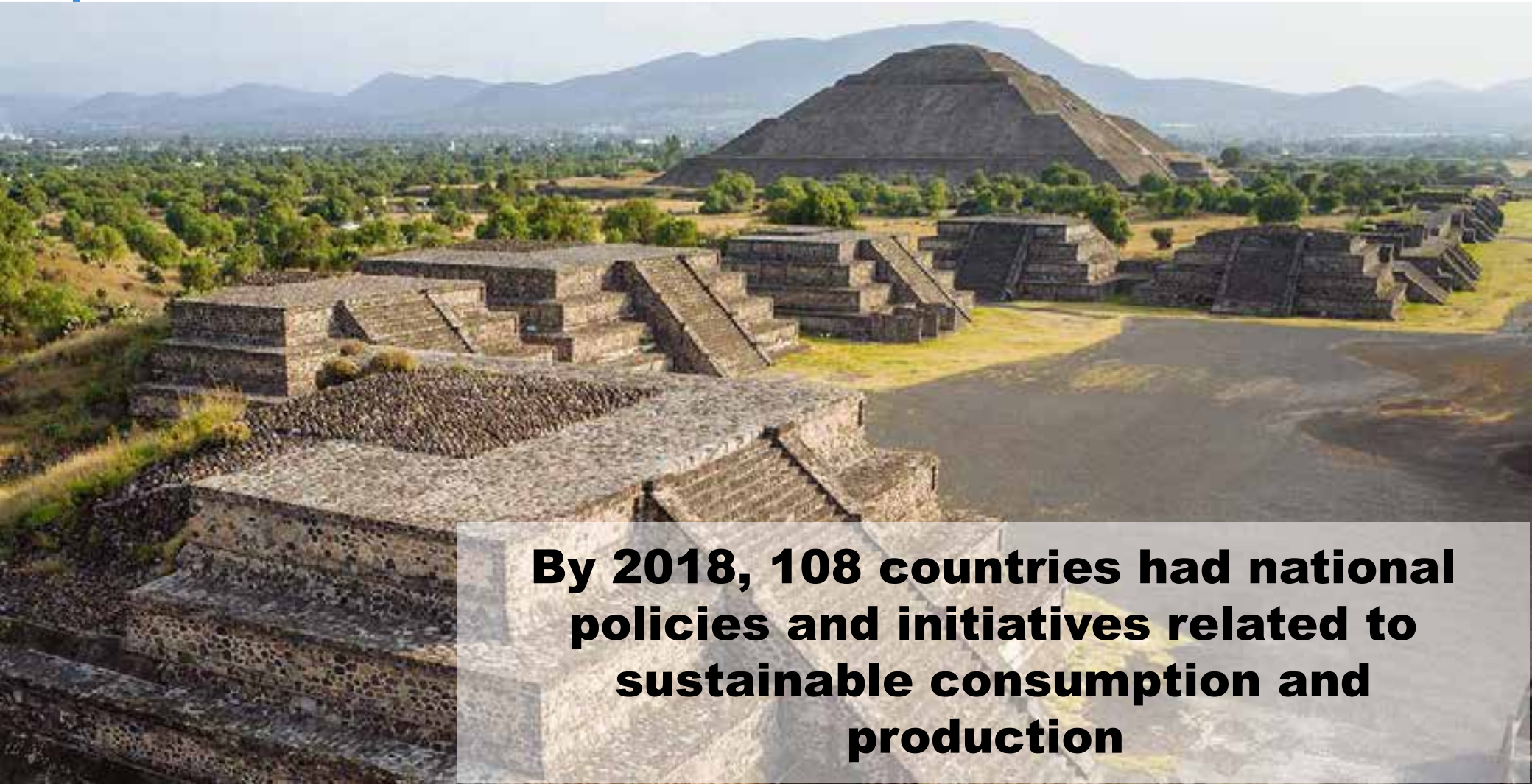
Forests

↓ reduces by around **20%**



Other natural habitat

Sustainability in resource production



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

Sustainability in resource production



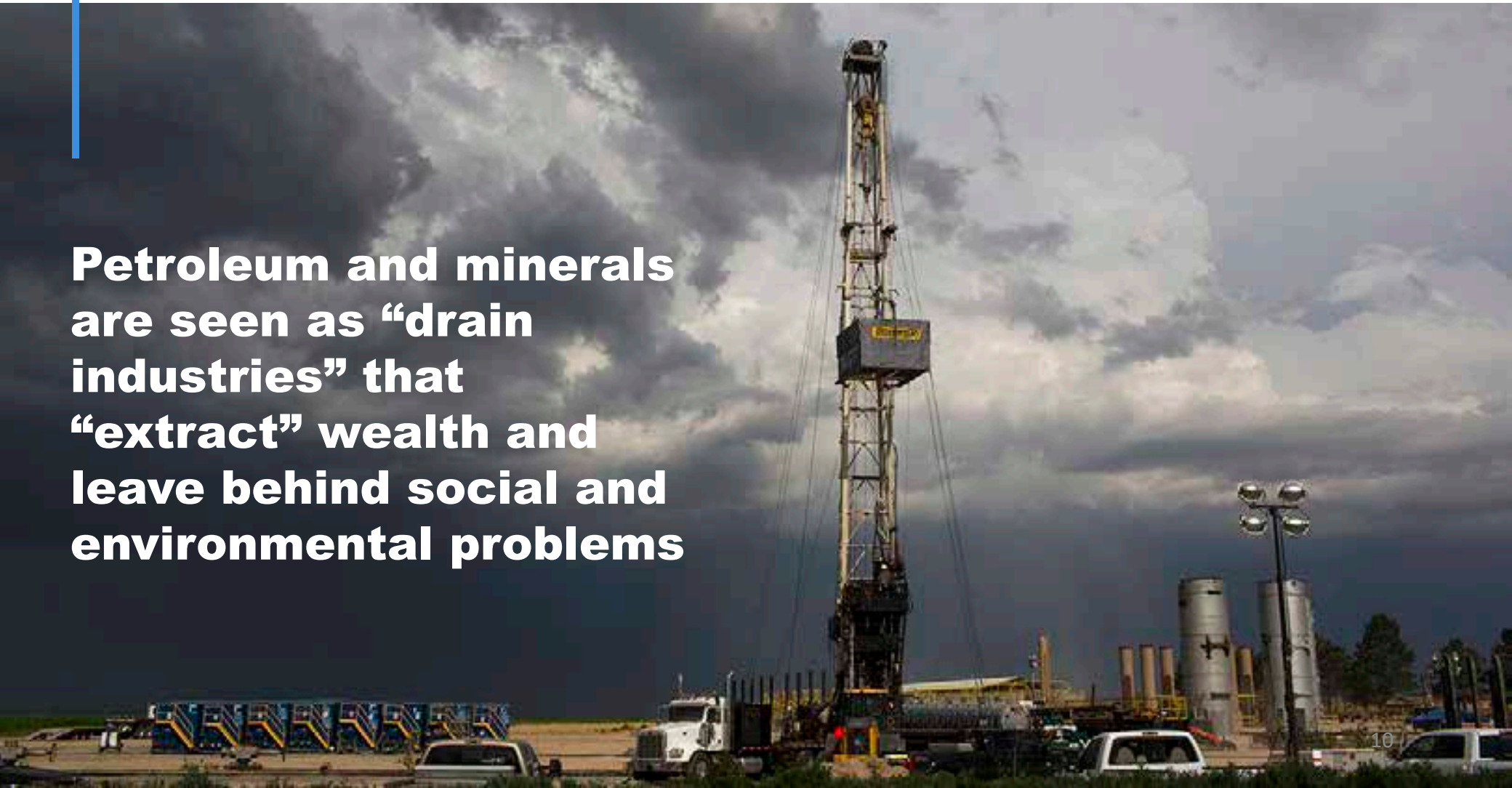
Over 90% of the world's 250 largest companies report on sustainability



There is an image problem



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



What is lacking?

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



Bridging the gap



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 license to operate**

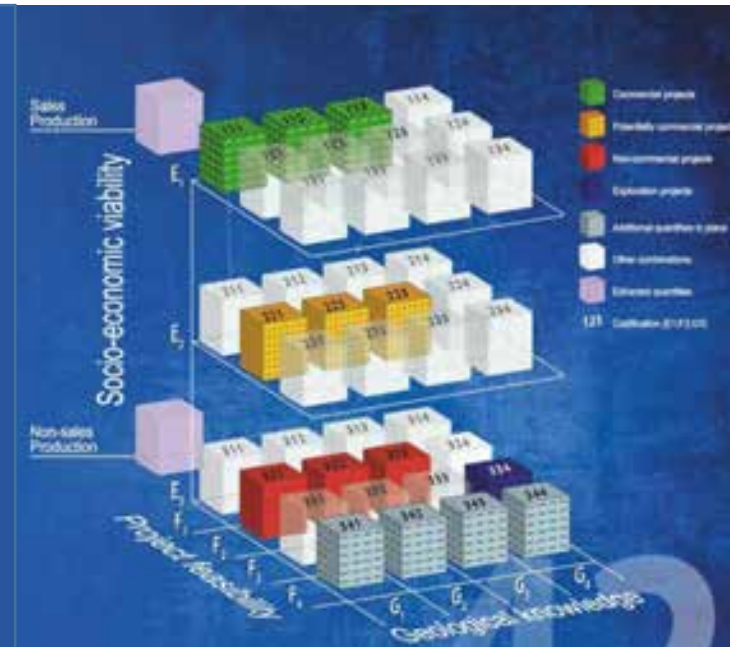


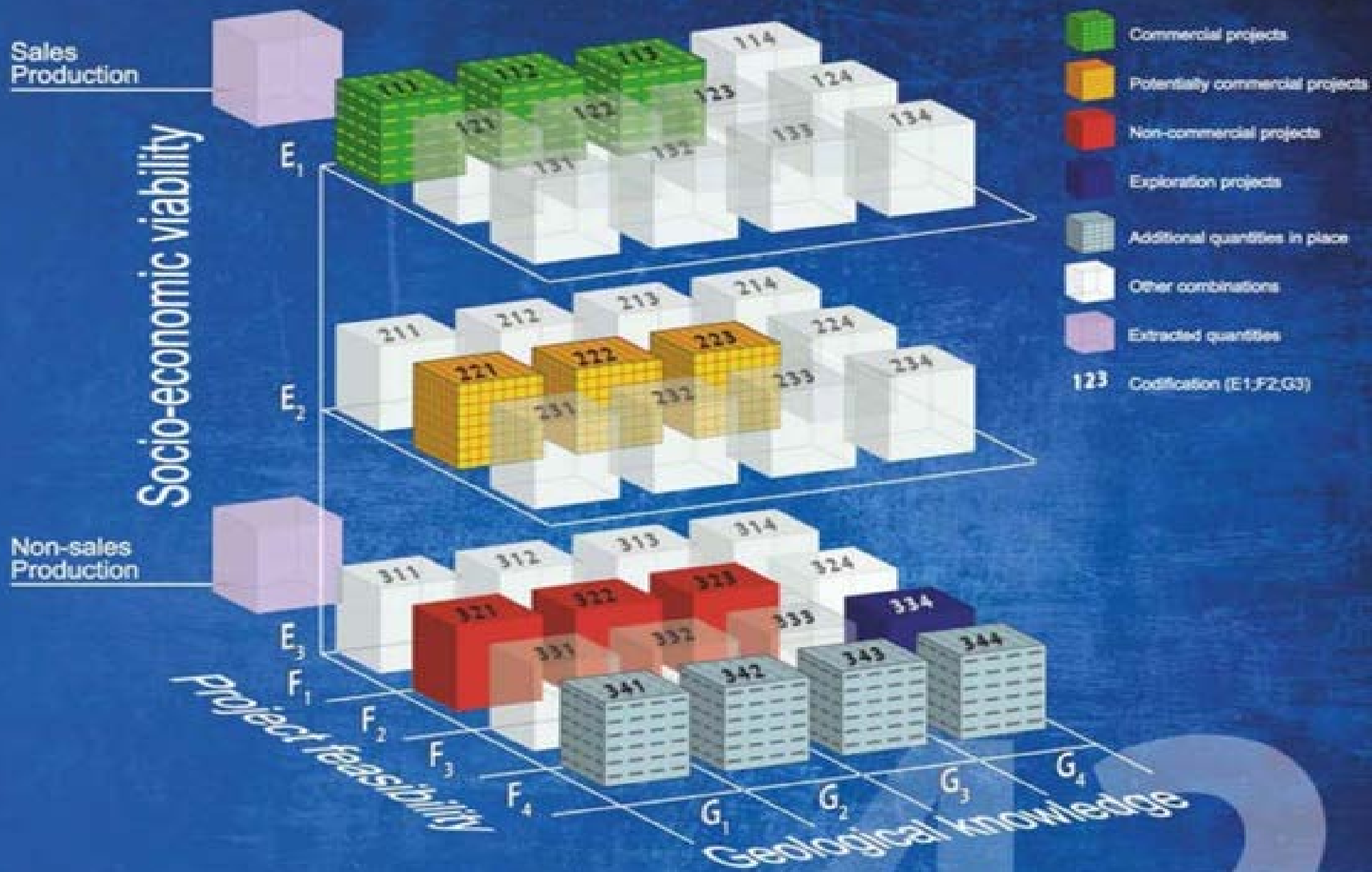
Why UNFC and UNRMS?



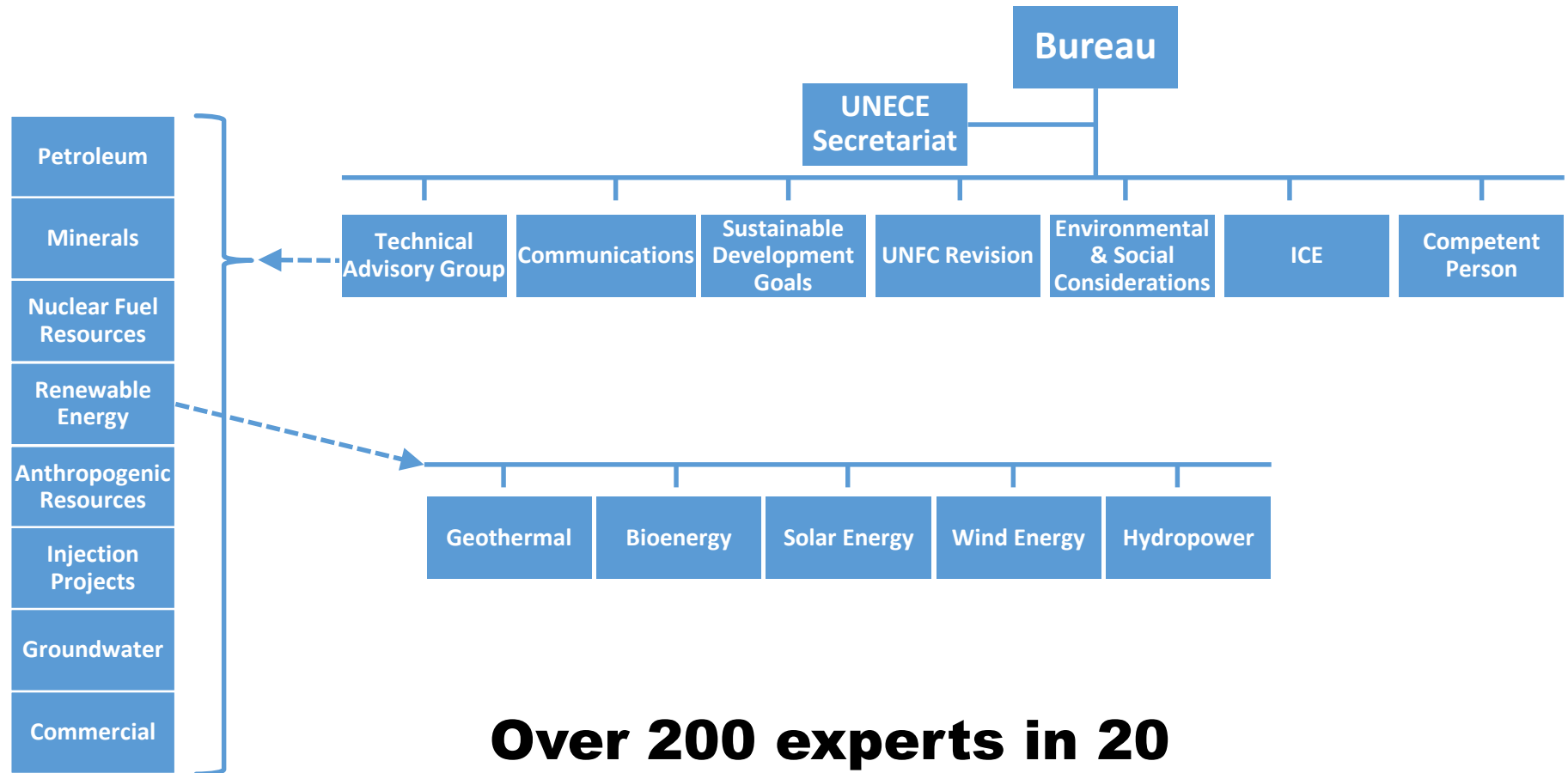
- Understand and manage all resources in a coherent framework
- Applicable horizontally and vertically to all sectors
- Embeds all project risks and opportunities

UNFC and UNRMS promote clear thinking and a shared vision





EGRM Work Groups



Over 200 experts in 20 work groups

UNFC Adoption

Global Deployment of UNFC



- **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.
- **Mexico** pilot study
- **China** has bridged its minerals and petroleum classifications
- **Russian Federation** bridged oil & gas classification
- Coordinating Committee for Geoscience Programmes in **East and Southeast 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



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



Thank you

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