



Sustainable Natural Resource Management and the UN Decade of Action

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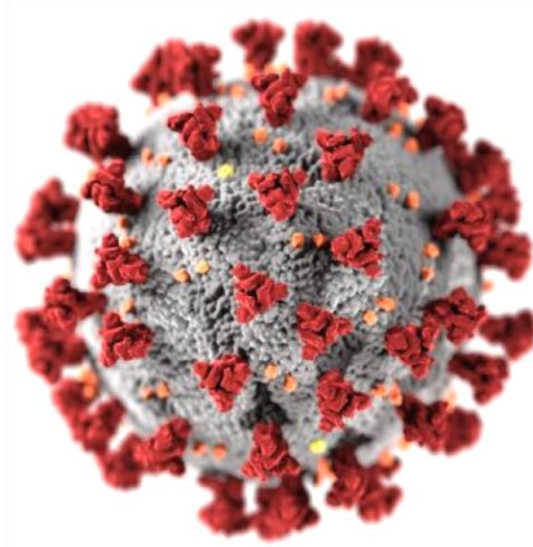
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Black Swans of 2020



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COVID-19



Over 1.3 million deaths

Over 1 billion animal deaths

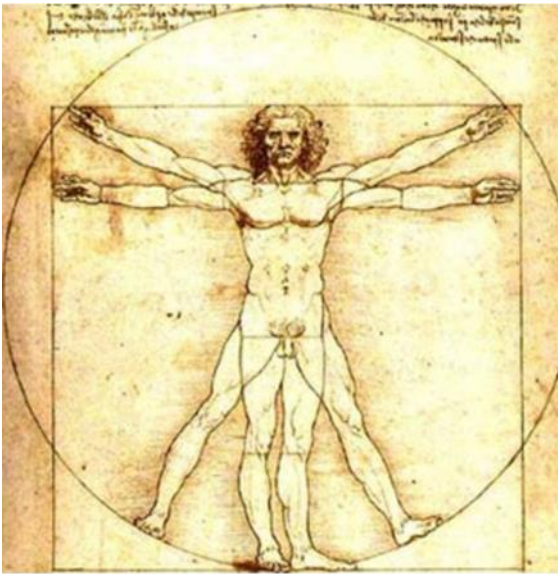
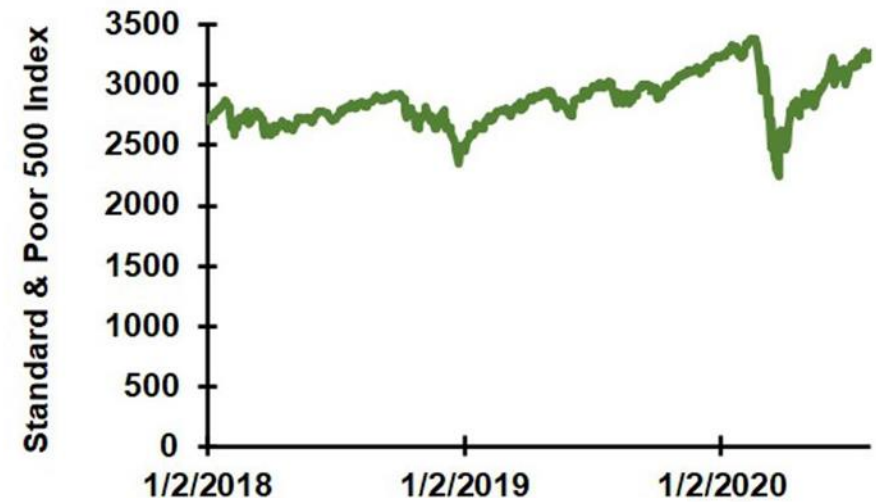


Forest Fires

Resilience



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Supply redundancy in basic raw materials is key

Building Back Better



- 1. Vision**
- 2. Shared knowledge**
- 3. Integrated resource management**
- 4. Comprehensive toolbox**

Natural Resources Trends



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Material Footprint tonnes per capita



Low
Income



Lower-Middle
Income



Upper-Middle
Income



High Income

● 1970
● 2017

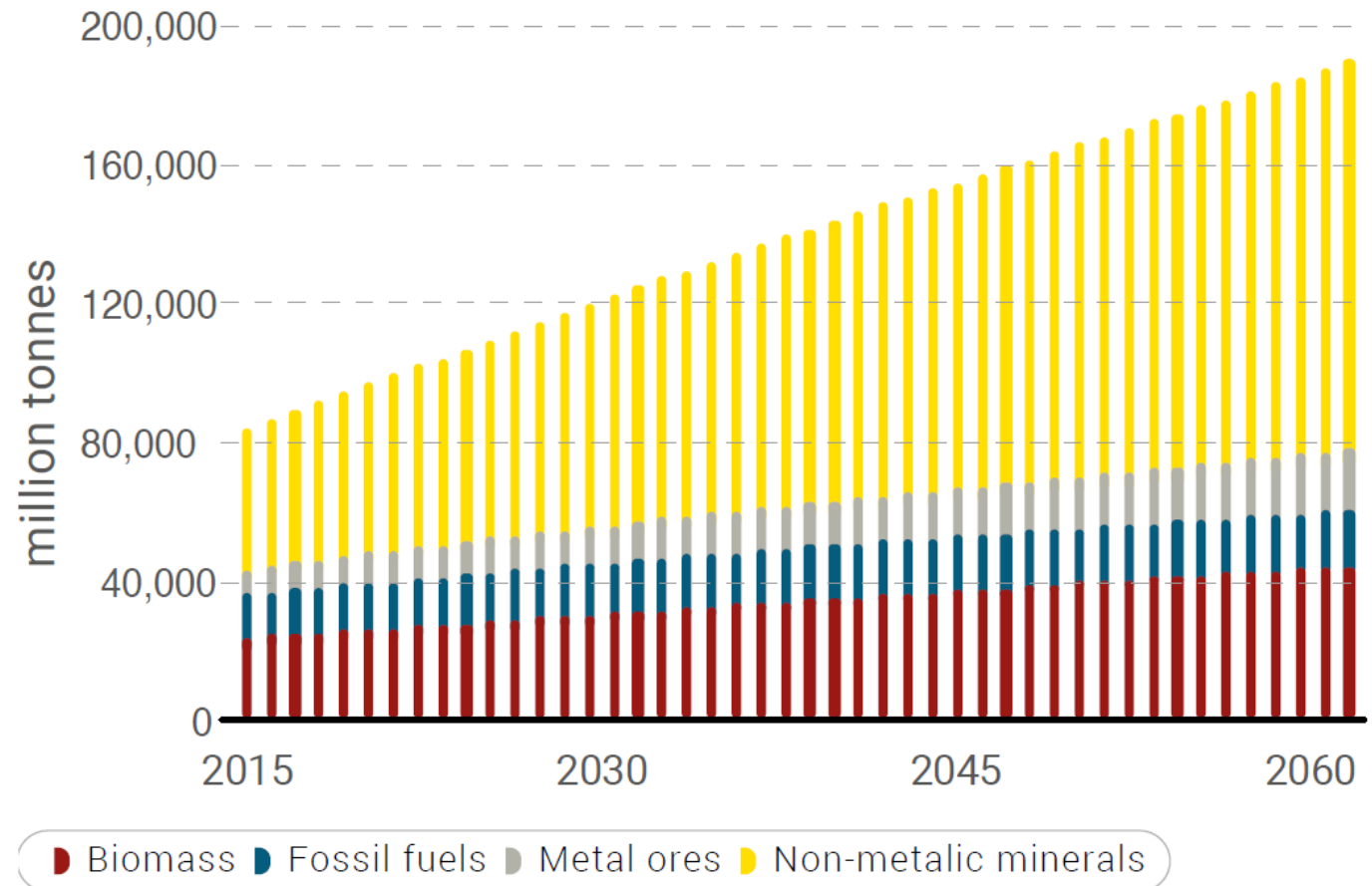
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Natural Resources Outlook



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

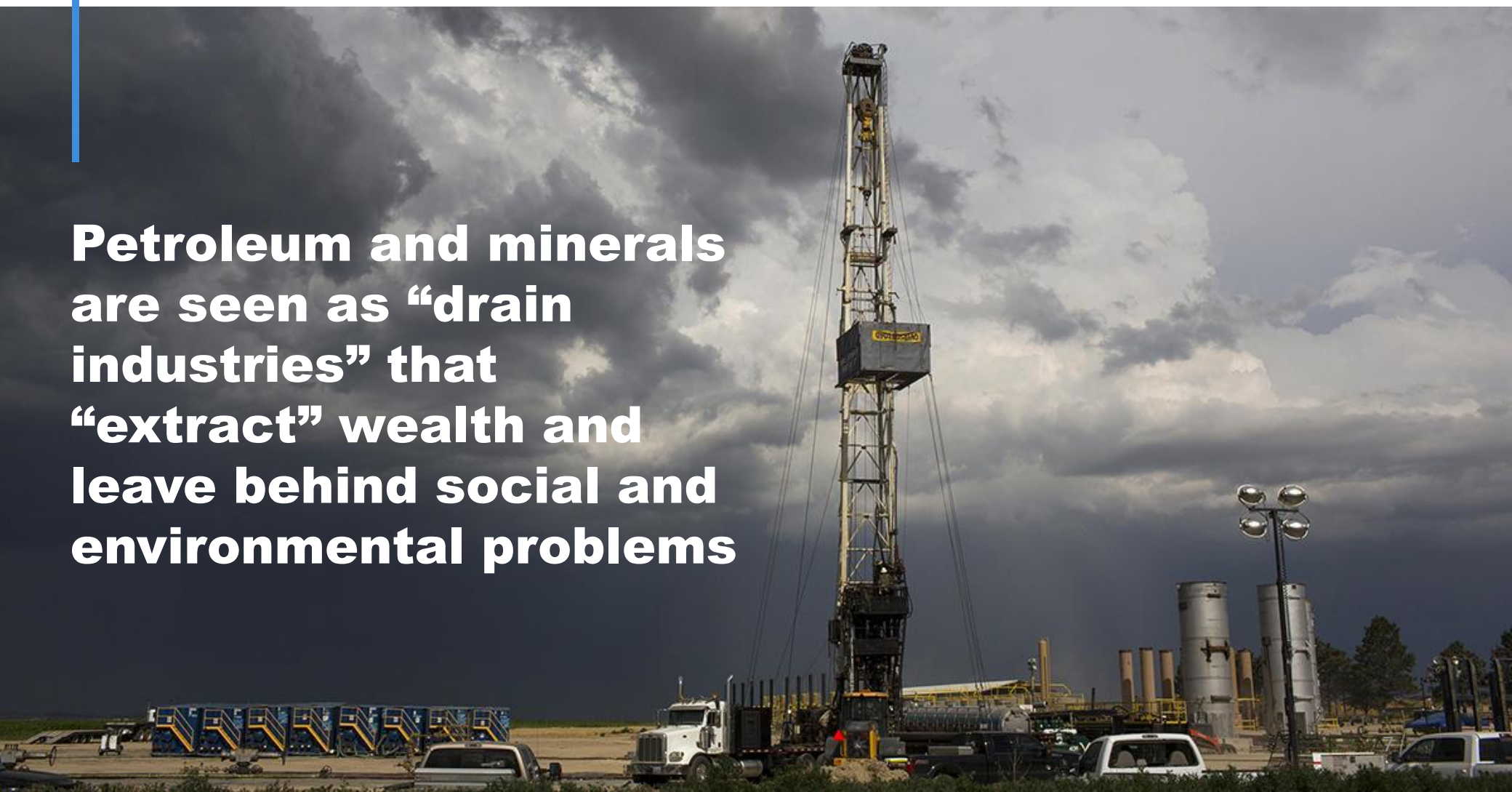


There is an image problem



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



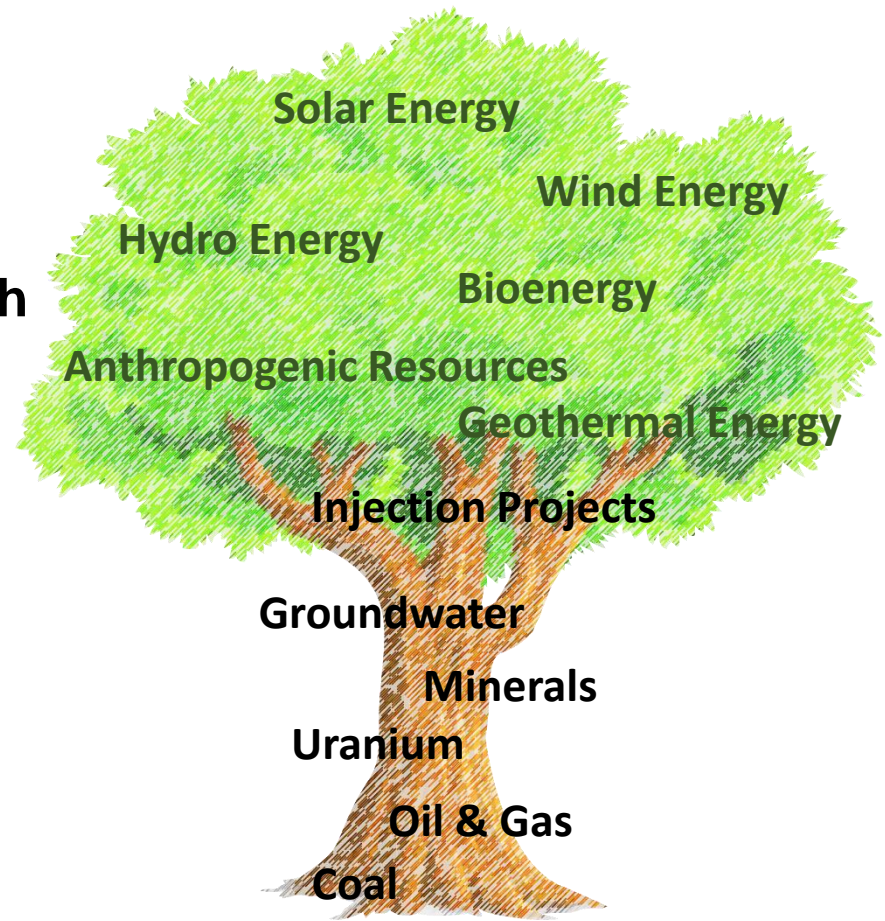
Resources for Sustainable Development

Rewriting the resource management narrative



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- 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
- Integrated approach
- Harmonization and common vocabularies



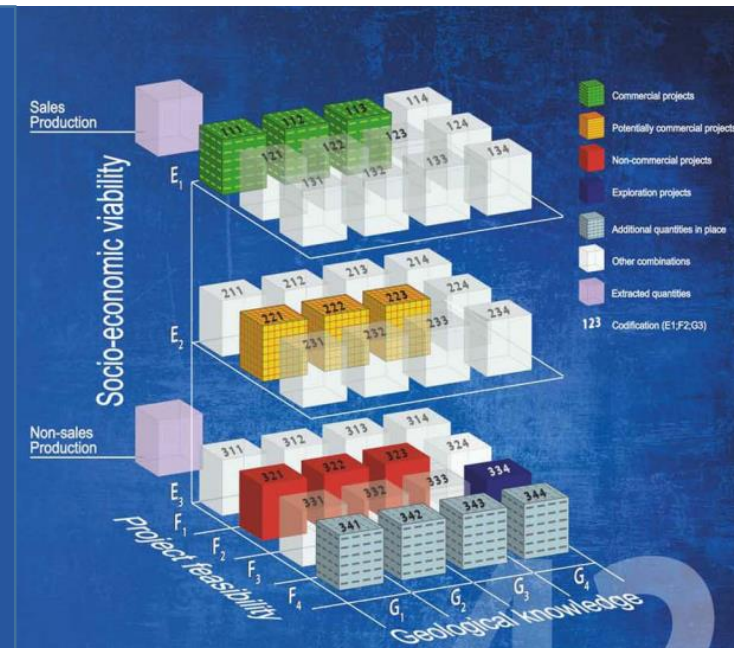
Why UNFC and UNRMS?



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- Manage all resources in a coherent principles-based framework
- Investments aligned with objectives
- Embed all project risks and opportunities
- MSMEs are crucial for raw material supply resilience

UNFC and UNRMS promote clear thinking
and a shared vision



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.





Thank you!

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

