

Informed Dialogue and Decisions for Sustainable Development

Adoption of the UNFC*

* [UNFC Adoption Group Report ECE-ENERGY-GE.3-2024-10.pdf \(unece.org\)](#)

UNFC & CRM Seminar; Session 3 Panel1; Geneva-CH, 23/04/2024



RESOURCE MANAGEMENT WEEK
2024



UNECE

Problem Statement of Sustainability in CRM

- **Resilient** – affordable, reliable, and sustainable.
- **Sustainable** - to meet the needs of the present, without compromising the ability of future generations to meet their own needs.
- **Just (intergenerational)** - to prioritize long-term needs over short-term gains.

This is a multifaceted challenge asking for

- ✓ **Informed debate** amongst stakeholders
- ✓ **Integrated and dynamic capabilities** to
- ✓ **Collaborate in constructive public-private partnerships**

Adoption of UNFC can enable informed debates and decisions in sustainable resource management



Needed: Integrated & Dynamic Capabilities in Public-Private Partnerships



- Resource governance should **set framework conditions allowing**
 - Businesses **to deploy their best capabilities in ways that**
 - Capital allocators **can finance.**
-
- ✓ These stakeholders should **excel as partners**
 - ✓ Exploiting and respecting each other's **capabilities and interests**
 - ✓ Digitally enabled for analyses and communication.



Recommendations by UNFC Adoption Group

1. **Communicate** and promote **the purpose** of UNFC
2. **Add Metrics** that Matter
3. **Establish Alliances with Standard Setting Organisations**
4. **Develop Strategic Use Cases**
5. **Engage with Potential Adoption Champions**
6. **Establish UNFC user support** capacity
7. **Update UNFC Supplementary Specifications**
8. **Digitalize** and safe resources

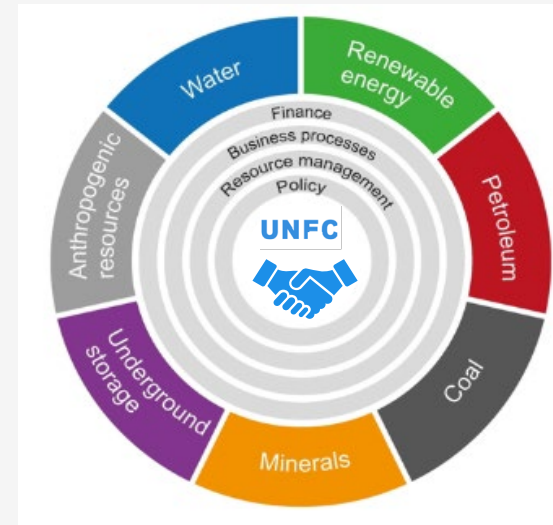


PURPOSE – A PARADIGM SHIFT?

UNFC is the framework for classification and reporting of sources & products



And the information framework for decisions in sustainable development of resources.



Expansion of Metrics Mandated by EGRM-13

44. The Expert Group noted that the work on commercial applications of UNFC has revealed a need to adjust the formal definition of UNFC to include metrics that projects carry beyond sources and products, e.g., emissions, costs, revenues, energy requirements, other input factors etc. The Expert Group agreed on the use of the metrics that decisions require, both in the form of scalars and as time series.



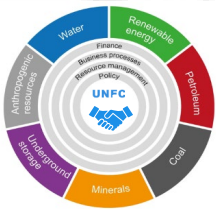
Project Example

Metrics this user needs



Enabling

- › To compile information in key metrics
- › To compare attractiveness of options in
 - › Economic
 - › Environmental
 - › Social terms
- › Informed dialog & decisions
- › Constructive public-private partnerships



UNFC - Block 30 - Kan Project (WD)

Category	Class	Rationale
E2	potentially viable	Viable development identified, FID is expected
F2.1	further evaluation	Appraisal (drilling) activities ongoing
G	1, 2, 3	HC recoverable estimates (PRMS = P90/P50/P10)

Type	Metric	Unit	G2 Figures		
			Base Case	'Green' Power	Blue-H2
Product	Total Oil Production*	boe	xx	➔	⬇️
	Total Gas Production*	boe	xx	⬆️	⬇️
Duration (physical)	Expected FID	year	xx	⬇️	⬇️
	Time to develop	years	xx	⬇️	⬇️
	Production time	years	xx	➔	⬇️
Economic	Royalties*	mIn USD	xx	⬇️	⬇️
	Profit Sharing*	mIn USD	xx	⬇️	⬇️
	Taxes*	mIn USD	xx	⬇️	⬇️
Environm.	GHG Emissions*	t CO2e	xx	⬆️	⬆️
	CO2 Intensity*	kg/boe	xx	⬆️	⬆️
	Other*	tbd.	xx	➔	⬇️
Social	Employment direct*	years FTE	xx	➔	⬆️
	Employment indirect*	years FTE	xx	⬆️	⬆️
	Investment in country*	mIn USD	xx	⬆️	⬆️
	Investment in community*	mIn USD	xx	⬆️	⬆️
	Investment in capacitation*	mIn USD	xx	⬆️	⬆️
	Investment in tech transfer*	mIn USD	xx	⬆️	⬆️
STC/Innovation collaboration*	mIn USD	xx	⬆️	⬆️	

* metric avail. in annual figures over LoF

All figures are estimates

ADD METRICS THAT MATTER

BUT WHICH?



- Physical metrics
- Economic metrics
- Environmental metrics
- Social metrics
- Total values and time series ...

Users choose, what they need

Guidance for most needed metrics helpful



PURPOSE – FROM A CRM-USER PERSPECTIVE

Users and uses? Example EU-CRM Act:

- ✓ Strategic projects
- ✓ Geological mapping of sources
- ✓ Extractive waste
- ✓ Supply risks

Adopting UNFC:

- Project developers
- Member states
- EU Commission

For social, environ. & economic viability, the feasibility of the projects and the level of confidence in estimates

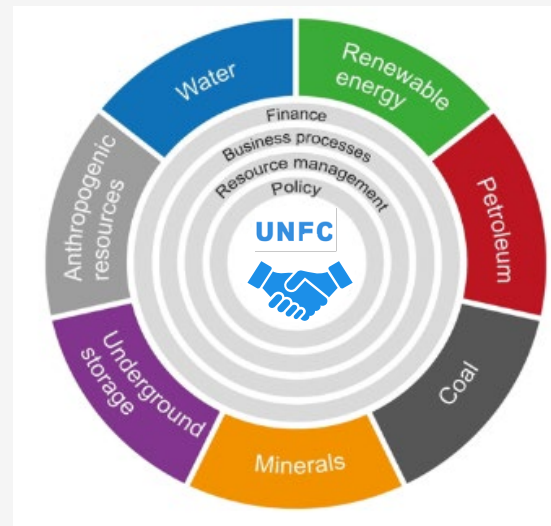


PURPOSE – A PARADIGM SHIFT

UNFC is the framework for classification and reporting of sources & products



And the information framework for decisions in sustainable development of resources.



THE VIEWS EXPRESSED ARE THOSE OF THE AUTHOR BASED ON THE WORK OF THE UNFC- ADOPTION GROUP* AND DO NOT NECESSARILY REFLECT THE VIEWS OF THE UNITED NATIONS.

Thank you!

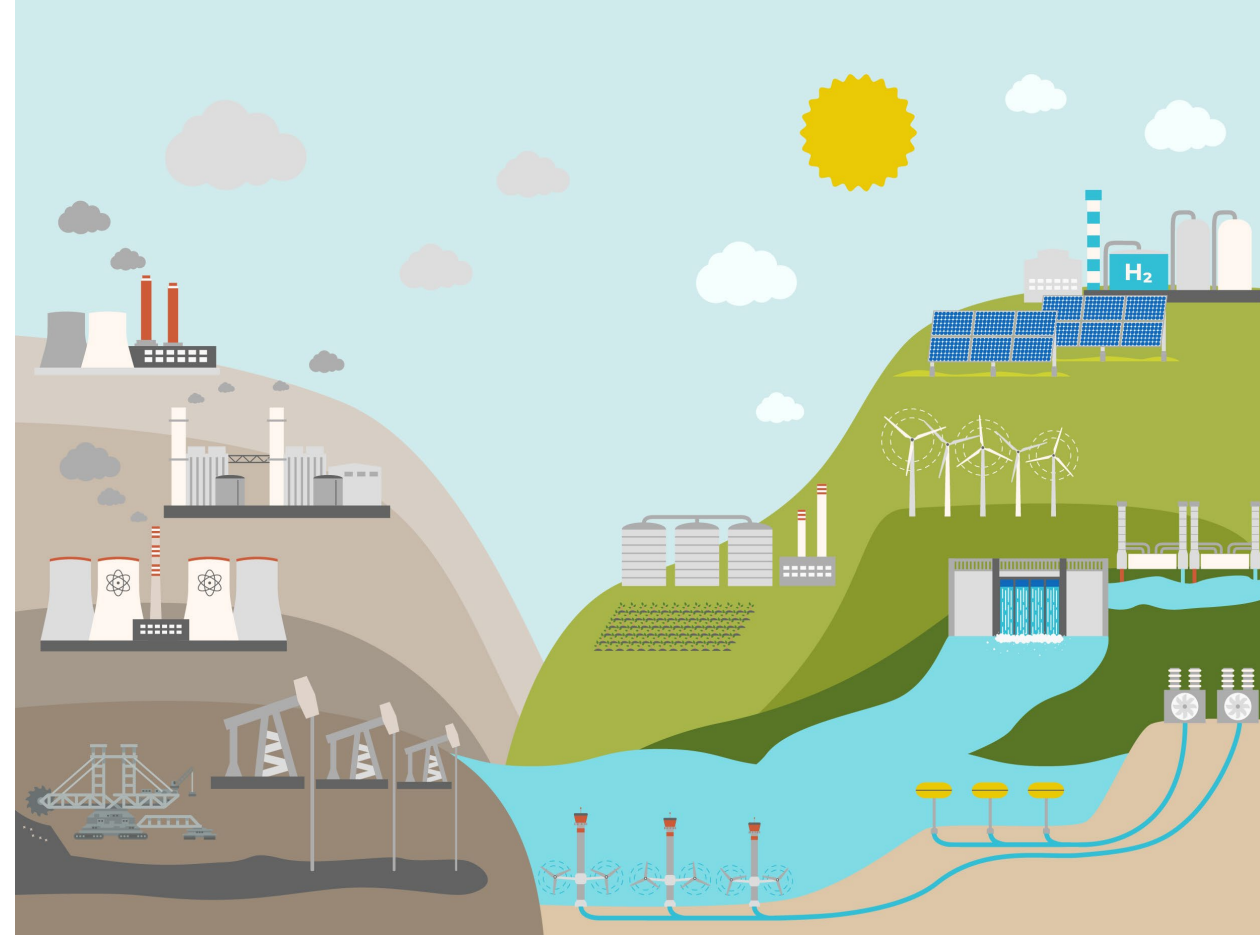
Matthias Hartung

Chair of the UNFC Adoption Group and Member of the Commercial Applications Working Group

UNECE

Date 23 | 04 | 2024, Geneva

* [UNFC Adoption Group Report ECE-ENERGY-GE.3-2024-10.pdf \(unece.org\)](#)



RESOURCE MANAGEMENT WEEK

2024



UNECE