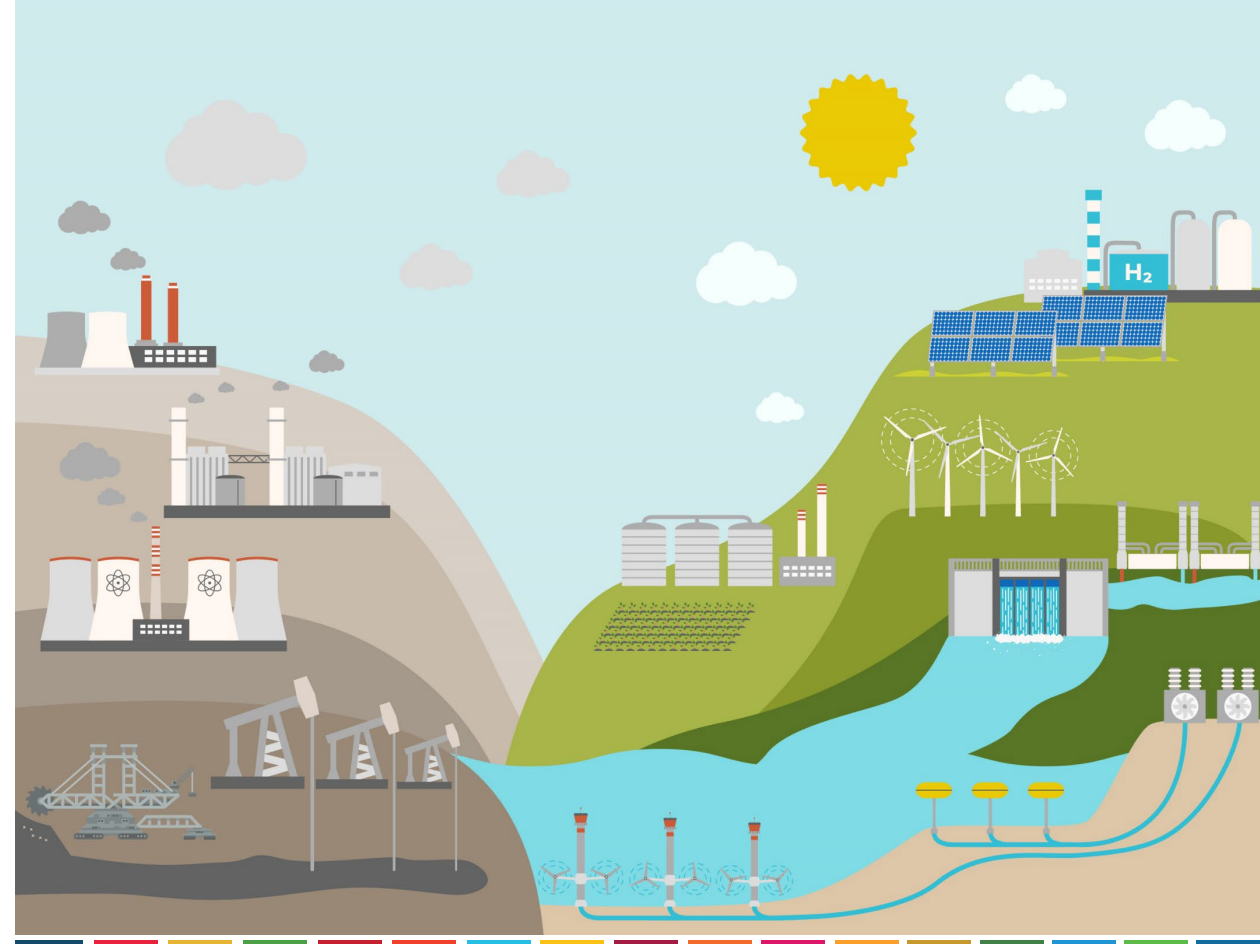


UNRMS Framework

Principles and Structure

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RESOURCE MANAGEMENT WEEK

2024



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UN Resource Management System

UNRMS Principles

AMBITION

UNRMS is designed to be a **global voluntary system** for a range of organizations involved in resource management. It is built upon **innovative and integrated resource management frameworks** that **encompass a range of natural resources**. With a comprehensive information **framework and methodology that supports sustainable resource management** at a **variety of scales**. Enabling a range of stakeholders to **evaluate and assess projects against environmental-social-economic objectives**, and facilitating **long-term considerations** of project development. Supporting sustainability and financial reporting, and project alignment with applicable regulations. While designing conditions for industry to **harness integrative dynamic capabilities**.

'Swiss Army knife'

<https://unrms.un.org/en/ambition>



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RESOURCE MANAGEMENT WEEK 2024 | ASSURING SUSTAINABILITY IN RESOURCE MANAGEMENT | 22-26 April 2024 | Palais des Nations | Geneva

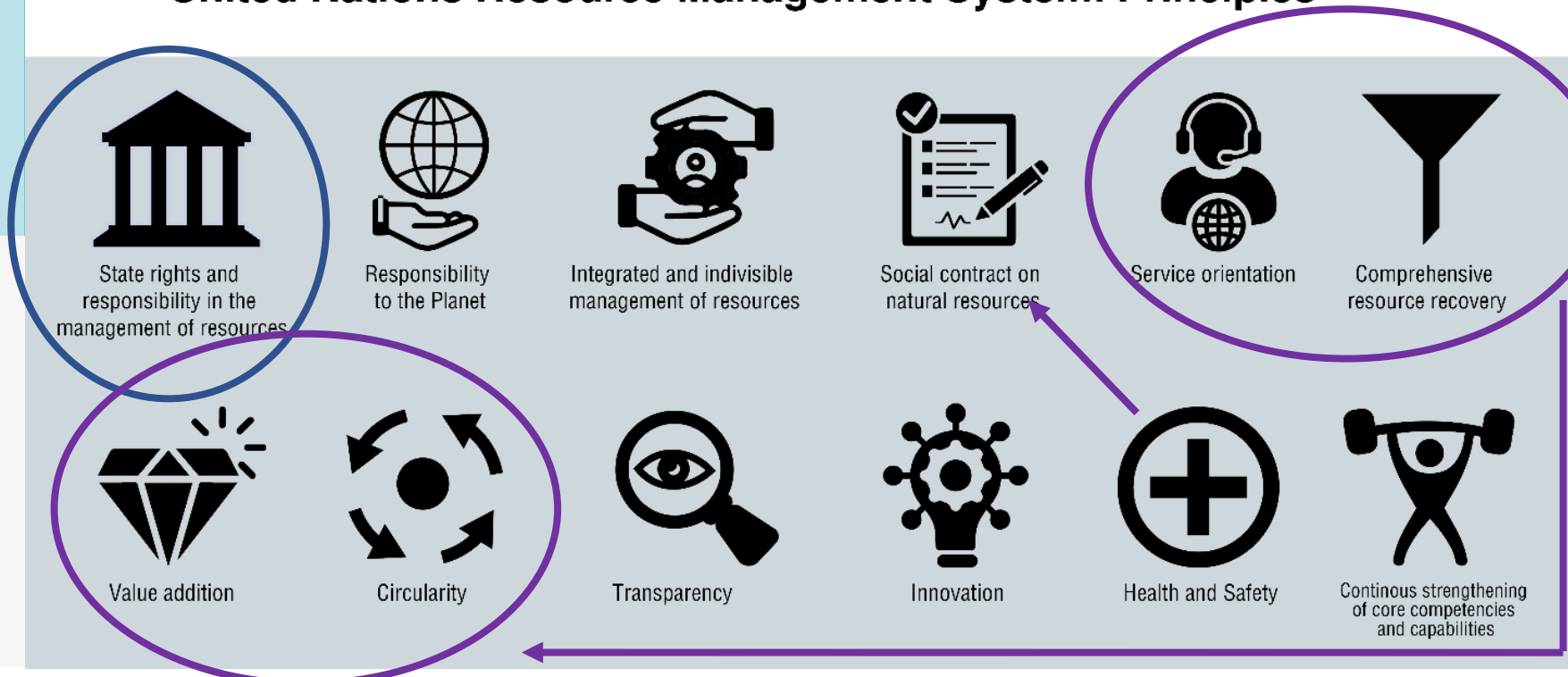
UNRMS from Framework to Toolkit

'A la carte' menu – can be mixed and changed



UNFC	UNRMS
<p>A tool for quantifying the volumes produced, recoverable and unrecoverable from all possible projects in a source (note that in application to renewable energy UNFC quantifies the volumes associated with a single project)</p> <p>A point in time view under defined commercial conditions, opportunities and constraints</p>	<p>integral piece in the sustainable development programme</p> <p>An aid to decision-makers measuring the actual progress of a project through the development stages and programme managers on how it contributes to sustainable development</p> <p>Project management considering all metrics to the decision-makers including volume/quantities from UNFC, rate profile, economic indicators, environmental performance, social outcomes</p> <p>The toolkit for implementation, analysis and governance at the project level</p>

United Nations Resource Management System: Principles

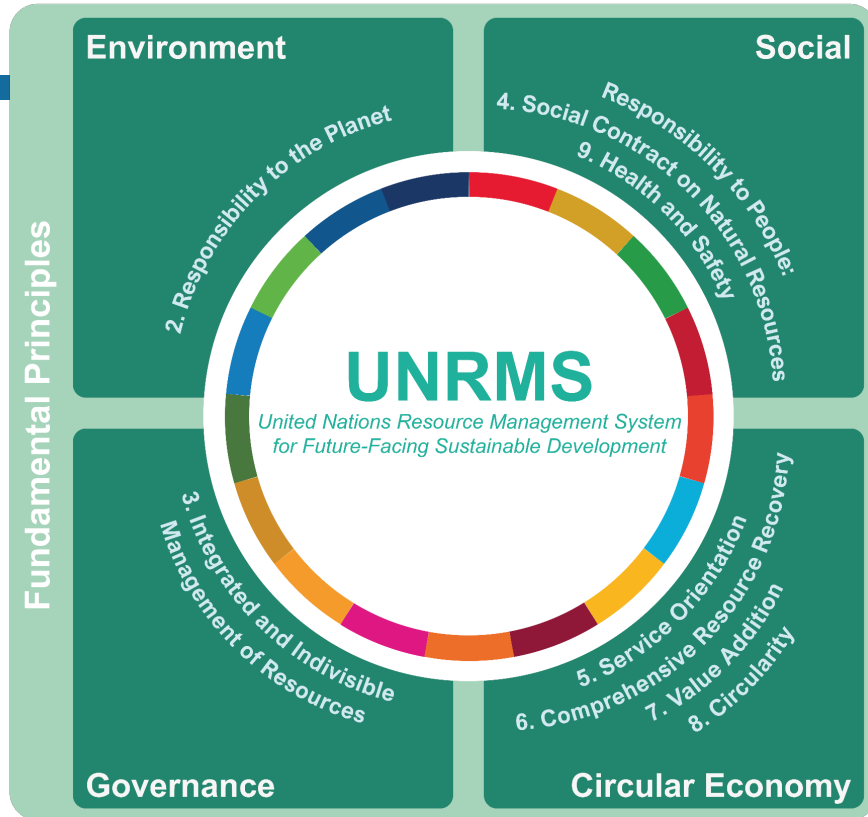


From Framework to Toolkit

UNRMS in 3 Parts

Priority Determination

1. State Rights & Responsibilities in the Management of Resources



12. Competancy & Capability

11. Transparency

Collaboration

10. Innovation

Facilitating Principles

- **Priority Determination**
- **Fundamental Principles**
 - Environment
 - Social
 - Governance
 - Circular Economy
- **Facilitating Principles**



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UN Resource Management System and the SDGs

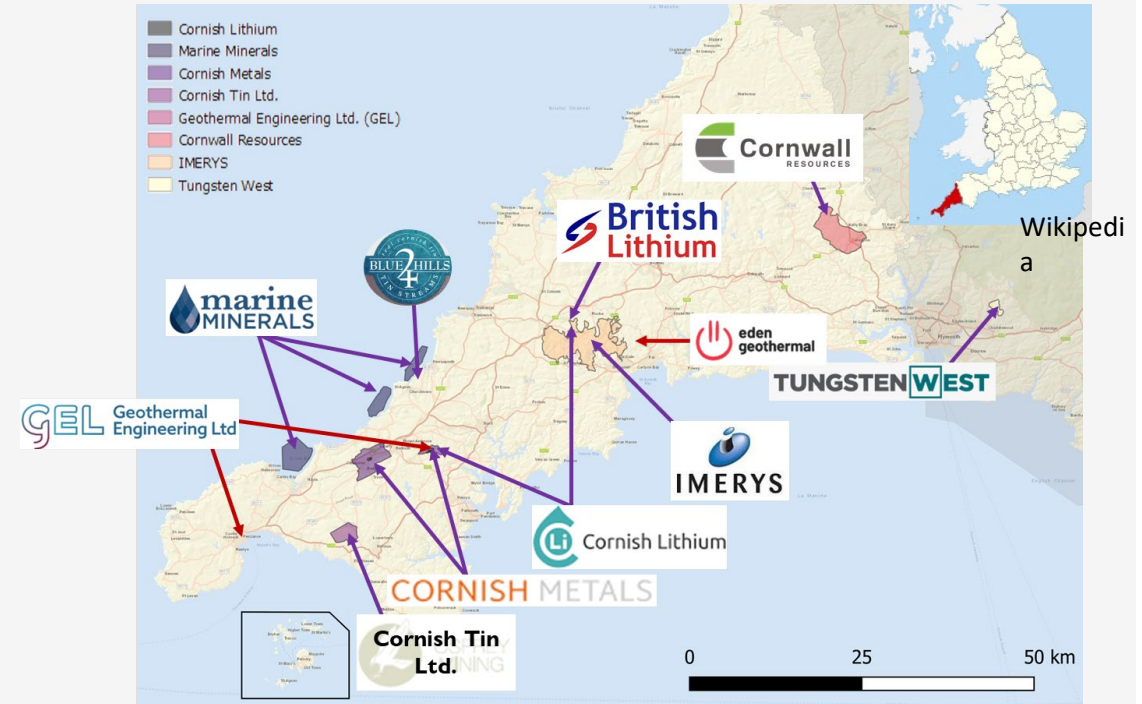
- Frances' High level mapping from the 12 principles 'back' to the SDGs



UNRMS - company or collective application?

Application at

- ❖ Mine site scale
- ❖ Company scale
- ❖ Commodity scale
- ❖ National scale
- ❖ Regional (sub-national) scale



Cornwall case study – at subnational scale

<https://unece.org/sed/documents/2024/04/working-documents/optimizing-resource-management-critical-raw-materials-case>

Examples of responsible mining and exploration schemes



INDUSTRIAL MARKETING

Iron Ore Alliance
An alliance between the United Steelworkers and U. S. Steel

worldsteel
ASSOCIATION

Cu **Copper Alliance**[®]

GLOBAL BATTERY ALLIANCE
BATTERIES POWERING SUSTAINABLE DEVELOPMENT

International Zinc Association
Zinc...essential for modern life

THE COPPER MARK | RESPONSIBLY PRODUCED COPPER

THE ZINC MARK | RESPONSIBLY PRODUCED ZINC

INTERNATIONAL TIN ASSOCIATION

IMOA[®]
INTERNATIONAL MOLYBDENUM ASSOCIATION

Nickel INSTITUTE

asi Aluminium Stewardship Initiative

SUPPLY CHAIN ADVOCACY

EUROPEAN RAW MATERIALS ALLIANCE | **ERMA** | **IMOA**[®]
INTERNATIONAL MOLYBDENUM ASSOCIATION

EITI Extractive Industries Transparency Initiative

asi Aluminium Stewardship Initiative

INTERNATIONAL LITHIUM ASSOCIATION

worldsteel
ASSOCIATION

CRM Alliance
Critical Raw Materials

Cu **Copper Alliance**[®]

COBALT INSTITUTE

International Zinc Association
Zinc...essential for modern life

IMA International Magnesium Association

GLOBAL BATTERY ALLIANCE
BATTERIES POWERING SUSTAINABLE DEVELOPMENT

i2a International Antimony Association

REIA | **Nickel INSTITUTE**

MINING ACCOUNTABILITY

Responsible Mining Foundation | **ICMM**
International Council on Mining & Metals

asi Aluminium Stewardship Initiative

ITSCI

EITI Extractive Industries Transparency Initiative

THE COPPER MARK | RESPONSIBLY PRODUCED COPPER

THE ZINC MARK | RESPONSIBLY PRODUCED ZINC

EQUATOR PRINCIPLES

e3PLUS
A Framework for Responsible Exploration

IRMA
Initiative for Responsible Mining Assurance

RMI

CANADIAN AUDIT & ACCOUNTABILITY FOUNDATION

FAIRMINED

ALLIANCE FOR RESPONSIBLE MINING

Logos arranged by Kate Moore, Camborne School of Mines

Comparison UNRMS with other schemes

OECD Mining Regions project

Finland scheme

← → ↻ oecd.org/regional/mining-regions-cities.htm#Toolkit ☆ 🗄

[OECD Home](#) > [Regional, rural and urban development](#) > [OECD Mining Regions and Cities](#)

OECD Mining Regions and Cities

CASE STUDIES
TOOLKIT
CONFERENCES
EVENTS

Improving well-being standards in economic, social and environmental dimensions for regions and cities specialised in mining and extractive industries

Timeline

Year	Case Studies	Events
2017	Antofagasta, Chile	
2018	North Karelia, Finland	Darwin, Australia
2019	Västerbotten, Norrbotten, Sweden	Skellefteå, Västerbotten, Sweden
2020		
2021	Andalusia, Spain	
2022	Statistical tool on well-being	
2023	Antofagasta, Chile	Karratha, Australia
2024	Pilbara, Australia	Greater Sudbury, Canada
2024	10 EU Mining Regions Project	Final tool-kit

Activities

- > 8-11 Oct 2024 | [OECD Conference of Mining Regions and Cities](#)
- > 14 Nov 2023 | [Satellite workshop on the EU mining raw materials week](#)
- > 10 Oct 2023 | Pilbara Case study launch with OECD Secretary-General at the [Pilbara Summit](#)
- > 5 Oct 2023 | [Antofagasta Mining strategy launch](#) (Livestream)
- > 22 Sep 2023 | EU Mining Regions Kick-off Meeting: Enhancing the Role of EU Mining Regional Ecosystems to Support the EU Green Transition
- > 20-23 Jun 2023 | [4th Mining regions and Cities conference](#)
- > 6 Mar 2023 | 2nd study mission, Pilbara, Western Australia

TOWARDS SUSTAINABLE MINING

[TSM Finland](#) ▾ [Responsibility Systems](#) ▾ [Company](#) ▾ [News Room](#) [Contact Information](#)

Towards Sustainable Mining in Finland

TSM FINLAND

The mining industry's sustainability is monitored and developed through the international Towards Sustainable Mining standard. The purpose of implementing the standard is to encourage the industry to adopt and develop more responsible practices. The Responsible Mining tools, such as social responsibility reporting and the mining responsibility systems, have been developed in collaboration with the Sustainable Mining Network.

THE VIEWS EXPRESSED ARE THOSE OF FRANCES WALL AND DO NOT NECESSARILY REFLECT THE VIEWS OF THE UNITED NATIONS.

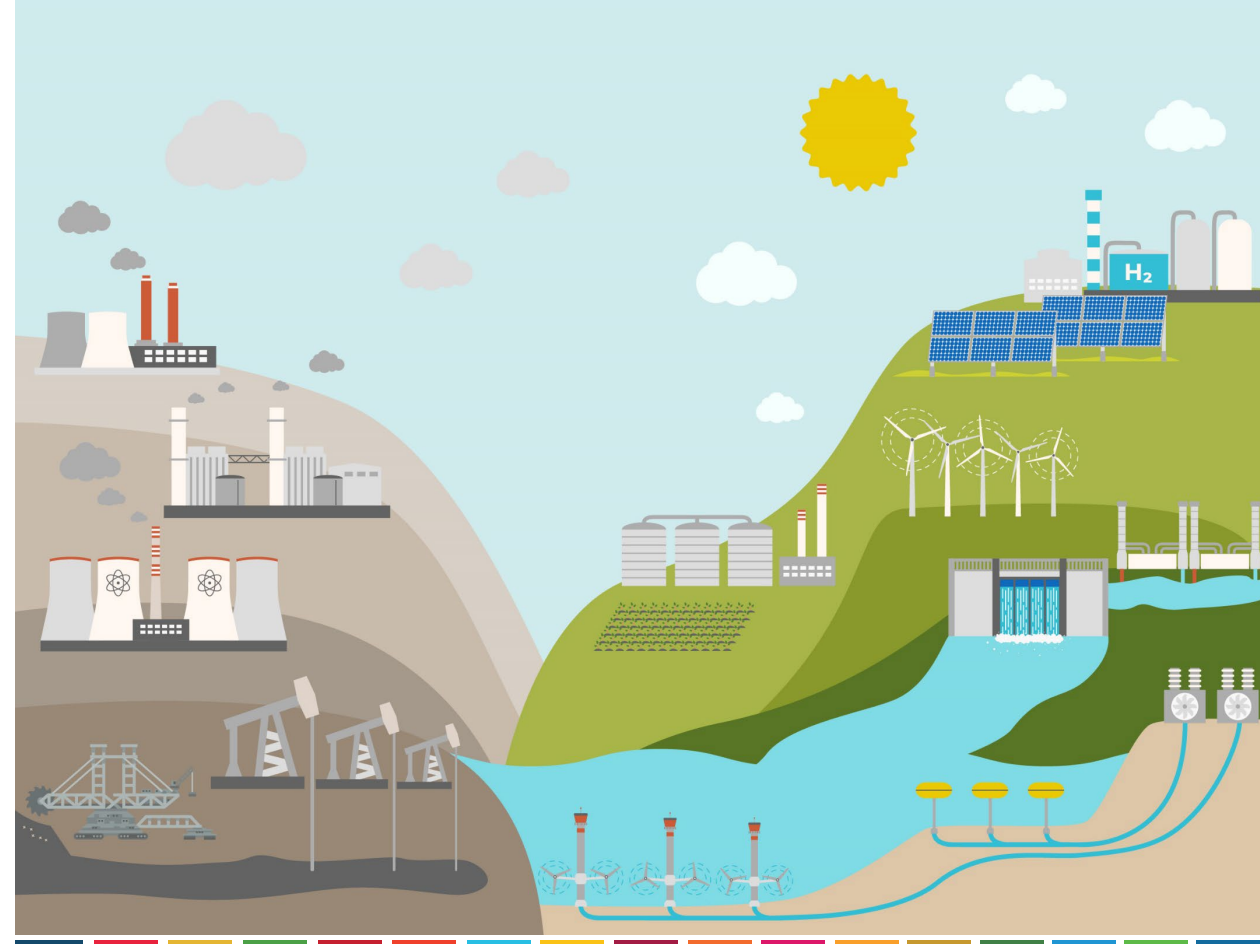
Thank you!

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University of Exeter, f.wall@exeter.ac.uk

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Date 23 | 04 | 2024, Geneva



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