



### **CIRAN**

# A project to reconciliate diverging societal needs and expectations

#### W. Eberhard Falck & Vitor Correia,

INTRAW - International Raw Materials Observatory
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THE CHALLENGE:
BALANCING MINING AND
ENVIRONMENT



OVERCOMING HURDLES TO RESPONSIBLE DOMESTIC MINING



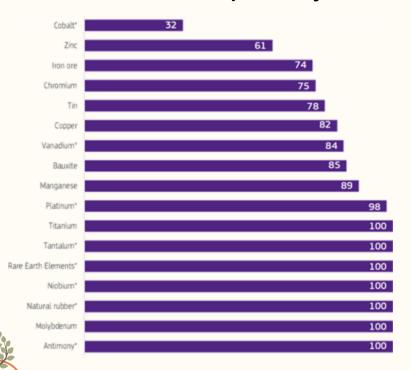
A PATH TOWARDS SUSTAINABLE COEXISTENCE



## **Background**

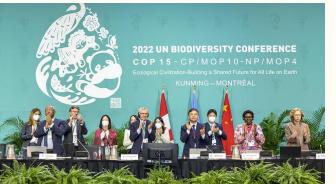


#### **EU Raw materials dependency**



#### **Policy framework**











Source: JRC (2018): EU Raw materials scoreboard.



# **Perplexing dilemmas**



- · Protecting its natural environments and biodiversity vs.
- ensuring a sustained and sustainable supply of mineral raw materials.
- Decarbonisation is bought by using more minerals.
- Many 'new' materials, e.g. REE, for which there is no societal reservoir.
- · Recycling only will have significant impact in a few decades from now.
- · Persisting paradigm of economic growth.
- Reaching SDGs worldwide greatly enhances raw materials needs.
- Domestic supply enhances resilience, but stakeholder resistance (NIMBY).





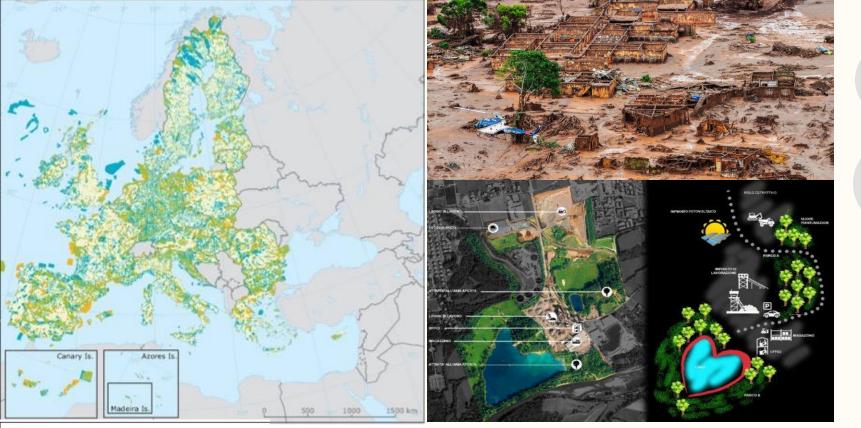






# **Regulatory Constraints in the EU**











IATURA 2000
Sites-or parts of sites-belonging to both Directives
Habitats Directive sites, pSCI, SQL, SAC
Birds directive sites (SPA)

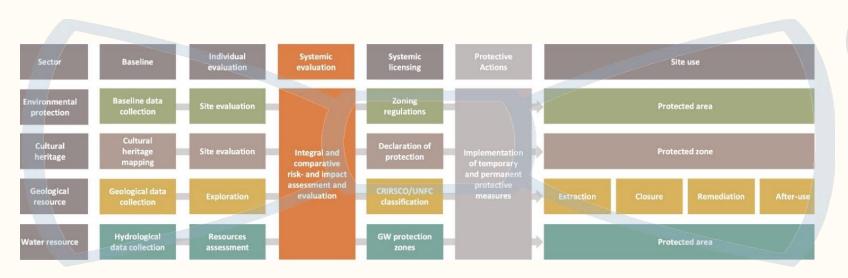
**UEPG SUSTAINABLE DEVELOPMENT AWARDS 2020**Biodiversity in a sand and gravel extraction area, **Nuova Demi, IT** 



## **Fragmented Policies and Regulations**



- Isolated procedures, based on sectoral policies and regulations.
- Decisions often made exclusive and categorical.
- Full spectrum of societal needs and expectations not considered.
- Systemic, cross-sectoral approaches enable balanced and integrated permitting.







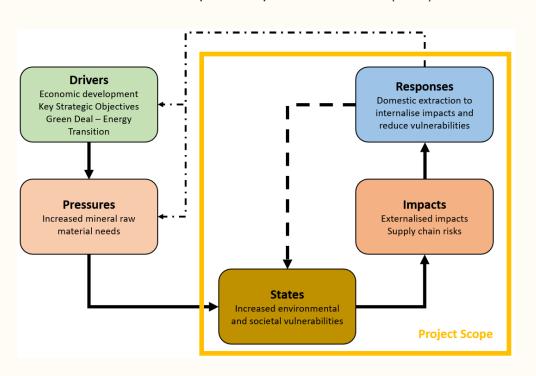




### Justification of extraction against other societal needs



#### Driver-Pressure-State-Impact-Response framework (EEA)



#### Economic scenario analyses









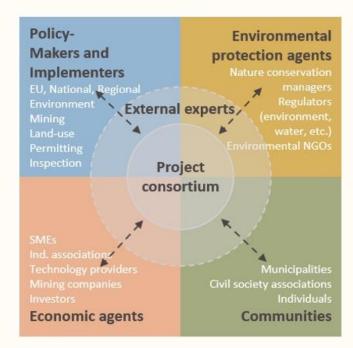


## **A lasting Community of Practice**



- Development of a lasting Community of Practice (CoP) between
  - regional and local authorities (land-use, environment, water, etc.),
  - curators/managers of protected areas,
  - · industry,
  - · geological surveys, etc.

- Expert Groups work with project partners on
  - · policy-making and -implementation,
  - economic drivers,
  - local governance and social capital,
  - nature conservation and ecosystems











## The path forward



- Bridges between established sectoral permitting methods and ones responding to the economic, environmental, societal, and governance (ESG) challenges of today.
- Transparent, system-oriented approach to managing natural resources above and below ground for the benefit of society.
- Paving the way towards sustainable co-existence of mining and protected areas.











# For more insights follow ciranproject.eu



- CIRAN is a three-year project, running from 1st January 2023 to 31st December 2025 with 13 partners from 11 European countries.
- The authors, as project co-ordinators, would like to thank all the CIRAN project partners and participants for their critical review and input during the proposal drafting phase.
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# Thank you for your attention!

wefalck@intraw.eu