EUROPEAN RAWMATERIALS CLUSTERING CLUSTERING EVENT SUSTAINABILITY,



SUSTAINABILITY, EXPLORATION, TRACEABILITY AND PROCESSING TECHNOLOGIES.

16-17 OCTOBER 2024 HOTEL OCCIDENTAL VIAPOL SEVILLE, SPAIN









CIRAN

CRITICAL RAW MATERIALS EXTRACTION IN ENVIRONMENTALLY PROTECTED AREAS

Helena Robert i Campos

LA PALMA RESEARCH CENTRE (LPRC)

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INTRODUCTION



EU F&T Portal







Home > Funding > Calls for proposals > Streamlining cross-sectoral policy framework throughout the extractive life-cycle in environment

Streamlining cross-sectoral policy framework throughout the extractive lifecycle in environmentally protected areas (CSA)

HORIZON-CL4-2022-RESILIENCE-01-03

"Projects are expected to contribute to the following outcomes:

- a. Exchange of **good practices** in permitting procedures related to extractive activities that may have an impact in environmentally protected areas;
- b. Dissemination and exploitation of projects outputs is tailored for competent EU, national and regional authorities, industry and civil society in EU Member States."

CIRAN: A plan for sustainable resource extraction

- Reconciling two societal needs: Resource recovery and nature conservation. Land-use planning for sustainable development & social progress
- A shared perspective for a shared space
- Capacity-building and participatory approaches to decision-making

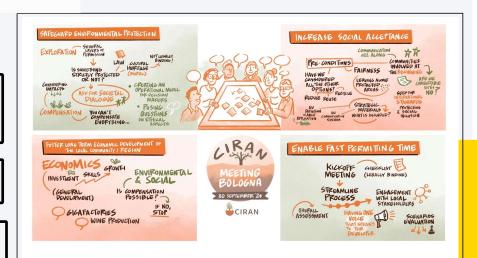


Figure 1. Overview of the objectives and challenges addressed in the CIRAN project

PROJECT STRUCTURE





- M1-M36
- Structured into **7 complementary, highly interactive Work Packages**, each engaged with one or more of the four groups of Expert Groups as an integral element of the project.
- Several interactions across WPs are possible thanks to a **cohesive**, **active**, **and well-connected Consortium** (e.g., monthly Consortium + WP meetings)

4 KEY PILLARS DRIVING OUR WORK

- System-oriented approach: capturing & assessing best practice - enabling factors, metrics, benchmarks, case studies + technological & innovative performance appraisals towards sustainability
- Social dialogue: engagement & knowledge co-creation explore new social contracts and more sustainable business models
- Cross-sectoral dialogue: mapping the effects of policymaking & developing policy recommendations
- Capacity-building: educational materials, peer learning, knowledge-exchange

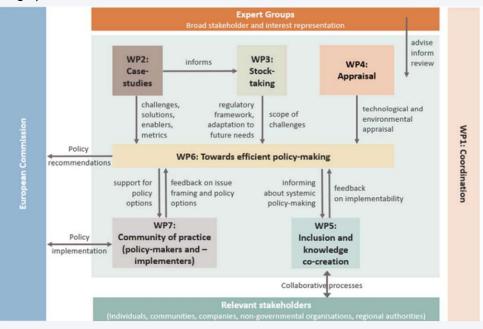


Figure 2. CIRAN Knowledge space and information flows for inclusive and balanced policy and decision-making recommendations.

OUR CONSORTIUM

Committed to EU's agendas and targets Interdisciplinary approach & experience



























OUR EXPERTS' NETWORK



IT GOES BEYOND THE CONSORTIUM OUTREACH AND EXPANDS AFTER EVERY OPPORTUNITY TO CONNECT - Like this one!

Role of External Experts: Provide a **critical view** on the project developments, outputs, and ongoing discussions. Invited to **discuss concrete topics** crucial for advancing project tasks (e.g., Workshop on future scenarios, decision tree support tool, etc.). Update the project with **real-life experiences** from the industry, policy, academic, and local perspectives.

Pillars: Diverse but balanced, European & international, active and regularly engaged

Where to connect?

- LinkedIn Community of Practice: Join, share & support
- Site / Guided visits networking opportunities combined with project meetings
- Conferences & other international events

- Centre for European Policy Studies
- IE Department of the Environment,
 Climate and Communications
- DE Thuringian Ministry for the Environment, Energy and Nature Conservation
- 4. RS Environment Ministry
- 5. PT Mining Directorate
- 6. University of Pécs
- 1. IMA Europe
- 2. Euromines
- 3. EIT Raw Materials
- International Council on Mining and Metals (ICMM)
- 5. Latitude Five
- African Minerals Development Centre (AMDC)



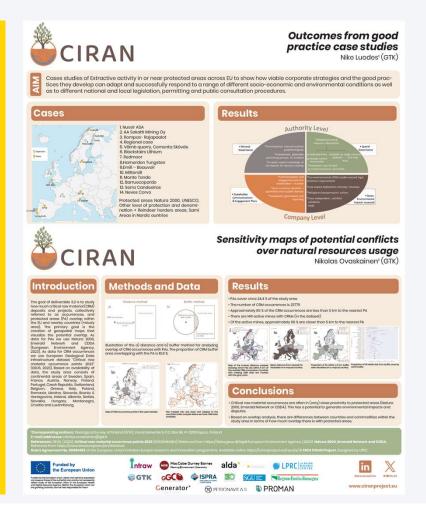
- 1. UNESCO World Heritage
- 2. EUROPARC Federation
- EU Network for the Implementation and Enforcement of Environmental Law (IMPEL)
- 4. European Environmental Bureau
- 5. Institute for European Environmental Policy
- European Economic and Social
 Committee
- Intergovernmental Forum on Mining, Minerals, Metals and Sustainable Development (IGF)
- SmartNorth (Smart Specialisation Platform)
- Pôle AVENIA
- 5. Municipality of Idanha
- Municipality of Guimarâes

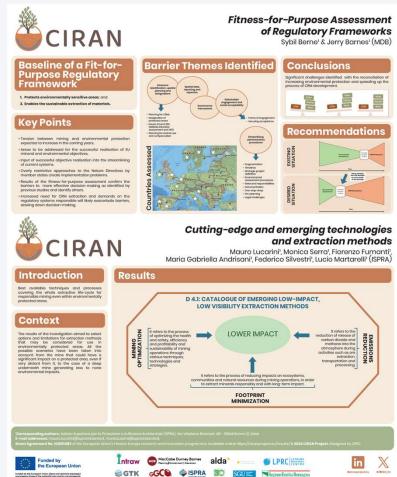
Figure 3. CIRAN network of engaged stakeholders.

PROJECT RESULTS









PETRONAVITAS PROMAN

Available open access from our website: https://ciranproject.eu/results/

PROJECT RESULTS





WP3 T3.3 - CIRAN 2035 SCENARIOS

- Objective: Provide 4 potential overviews of the short-term future of CRMs, environmental protection, policy and regulation, and societal challenges/perspectives
- Methodology: combining Horizon scanning, Delphi Surveys, and focused discussions applying foresight methods & participatory tools
- Close cooperation with communities (WP5) & across WPs (WP2-3-6)

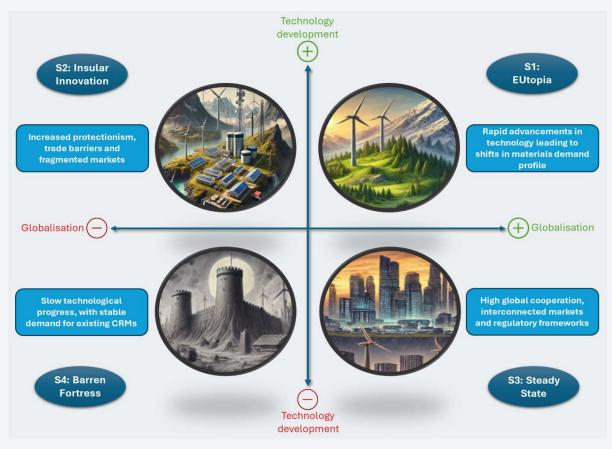


Figure 4. CIRAN 2035 scenarios overview.

EXTERNAL COLLABORATION





CIRAN Consortium & External experts' visit to the Monte Tondo Quarry & Saint-Gobain Group manufacture in the naturally-protected area (UNESCO) of the **Parco Regionale della Vena del Gesso Romagnola**, Emilia-Romagna, Italy — *October 2024*





CIRAN Consortium visit to the active quarry Pedra de Toque, in the Natural Park Serra de Aire e Candeeiros, near Lisbon, Portugal – *January 2024*

And still 15 months to go...

- More Consortium Meetings, workshops
 & field visits
- Video contest for young people
- Final Conference (Brussels, 2025)



CONCLUSIONS





THE DILEMMA(S) OF BALANCING THE "NEEDS"

01 - Which resources and where?

- Several CRM occurrences across Europe near/in environmentally protected areas
- → Innovations in exploration, updating of CRM lists based on demand EU CRMA-, and increasing regulations for designation of nature protection at European, national, and regional levels.

03 - Sustainable compromise

- Advocates for sustainability (including EU / national policymakers, environmental groups, etc.) often find themselves trapped in contradictions:
- →Advocating decarbonisation, while opposing mining and rejecting global trade

02 - Decision-making

- Decision-making for / against & public support/opposition towards mining
- → The distance of the stakeholder to the planned mine or extraction site often mostly influences the degree of its rejection or acceptance.

05 - Informed & active

citizenship

 Peer learning & community engagement opportunities are essential for providing spaces to envision potential futures and influence recommendations for policyand decision-making.

04 - Our growth

models & lifestyles

 Need to balance societal beliefs and values with lifestyles driven by concrete growth models, while exploring alternative models towards circularity and effective sustainability.





Q&A







Thank you for your attention!

CONTACT

HELENA ROBERT I CAMPOS

Researcher - La Palma Research Centre (LPRC), La Palma (Spain) / Brussels (Belgium)

- 💌 helena.robert.campos@lapalmacentre.eu
- https://www.lapalmacentre.eu/
- p X: @lapalmaresearch / <u>LinkedIn</u>



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