VECTOR -

ASSESSING THE PRACTICALITY OF UNFC REPORTING THROUGH THE INTEGRATION OF SOCIAL SCIENCE AND GEOSCIENCE



Sarah Gordon, Satarla CEO



t: @VECTORProjectEU e: contact@vectorproject.eu

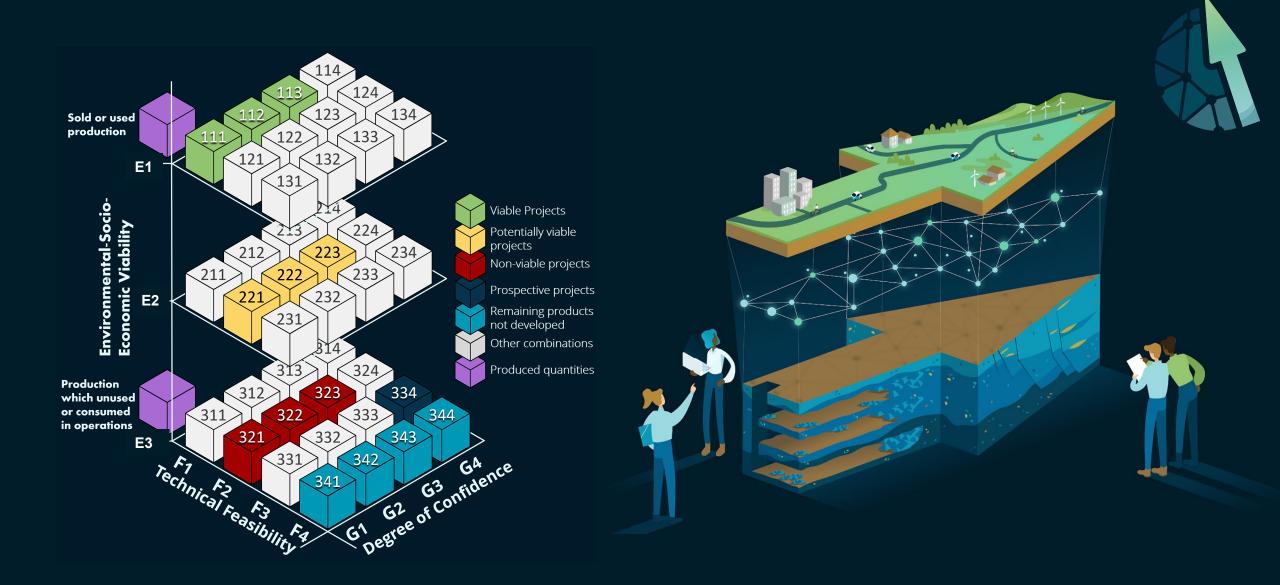


Co-funded by the European Union



UK Research and Innovation

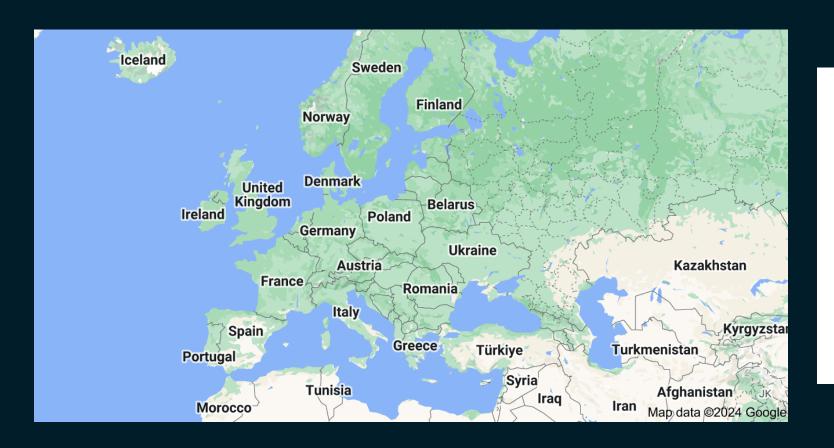






Application of UNFC within Europe using freely available data





BRIEFING EU Legislation in Progress



Critical raw materials act

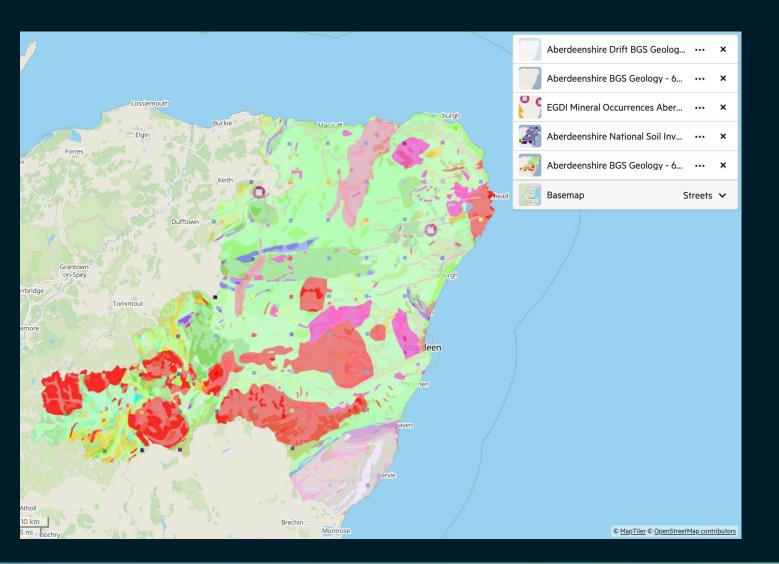
OVERVIEW

The EU's ambition to become a climate-neutral economy by 2050, and its ability to sustain the green and digital transition and achieve strategic autonomy, all rely heavily on reliable, secure and resilient access to critical raw materials (CRMs).

On 16 March 2023, the Commission put forward a proposal for a regulation on CRMs. It introduces the concept of strategic raw materials (SRMs), which are key for some strategic technologies and vulnerable to shortages. The general objective of the proposed regulation is to improve the functioning of the single market by establishing a framework to ensure the EU's access to a secure and sustainable supply of CRMs. To achieve this, the regulation would pursue four specific objectives: strengthening the whole SRM value chain; diversifying the EU's imports of SRMs (so that by 2030, no third country would provide more than 65 % of the EU's annual consumption of each SRM); improving the EU's ability to monitor and mitigate the CRM supply risk; ensuring the free movement of CRMs and products containing CRMs placed on the EU market, and ensuring a high level of environmental protection, by improving their circularity and sustainability.



Geoscience Data (F & Gaxes)



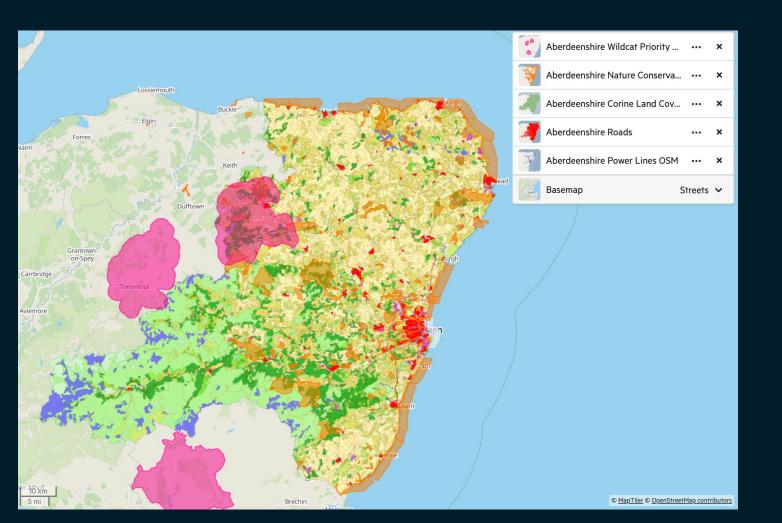


Datasets include (non-exhaustive list):

- Critical mineral occurrences
- Lithological data
- Drift
- Hydrogeology
- Dyke locations
- Soil inventories
- Borehole locations



Sustainability Data (Eaxis)





Datasets include (non-exhaustive list):

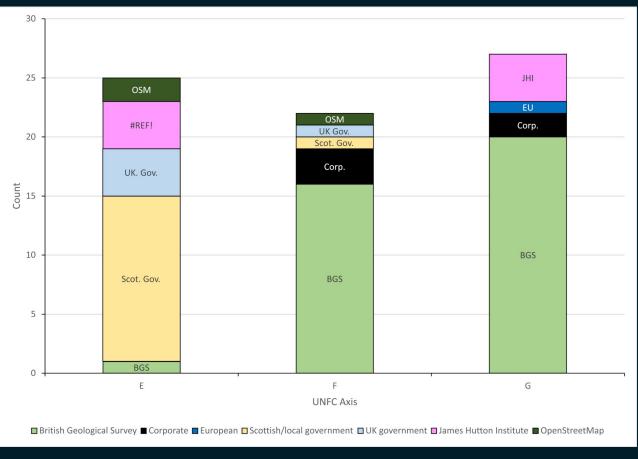
- Corine land cover
- Conservation areas
- Species presence maps
- Infrastructure maps e.g. powerlines, roads, railways
- Settlements
- Listed buildings



We need more data



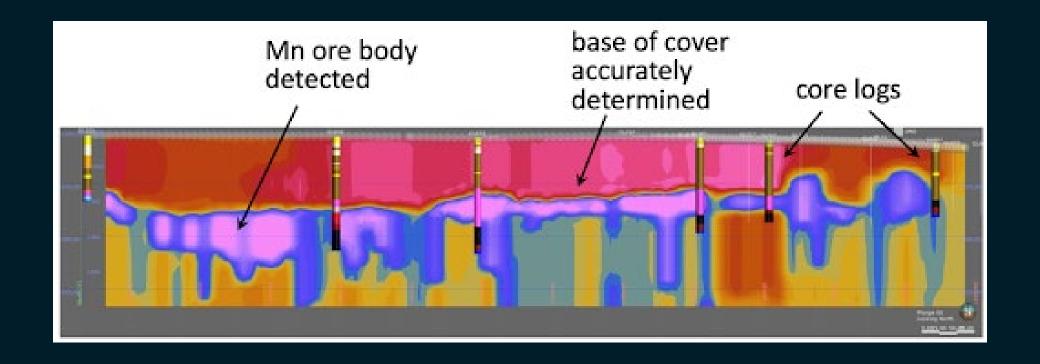






VECTOR-Geoscience Passive Seismic Imaging

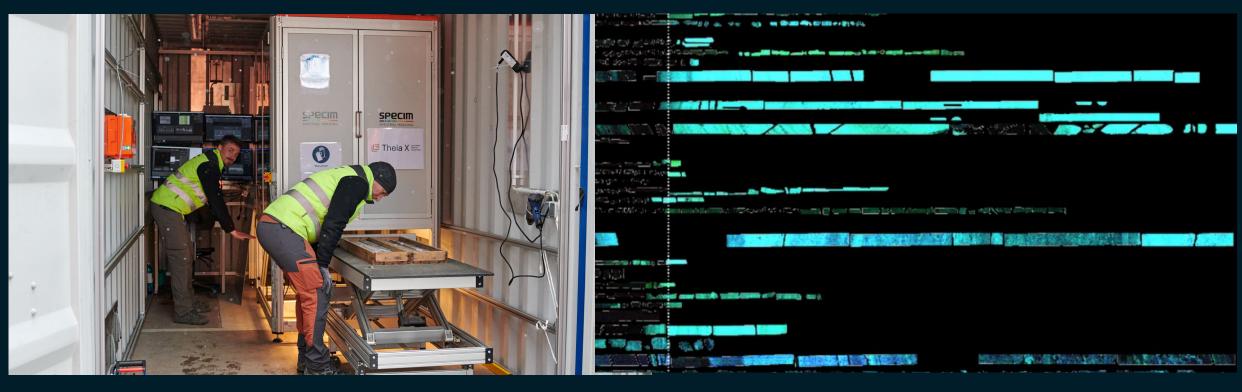






VECTOR – Geoscience Rapid Hyperspectral Analysis



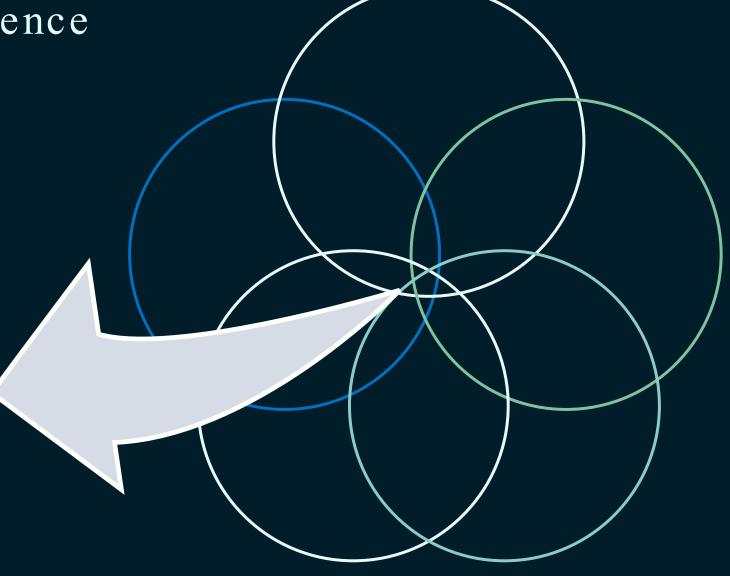




VECTOR-Geoscience Shared Value

A synergy between company's and society to create positive value for all stakeholders.

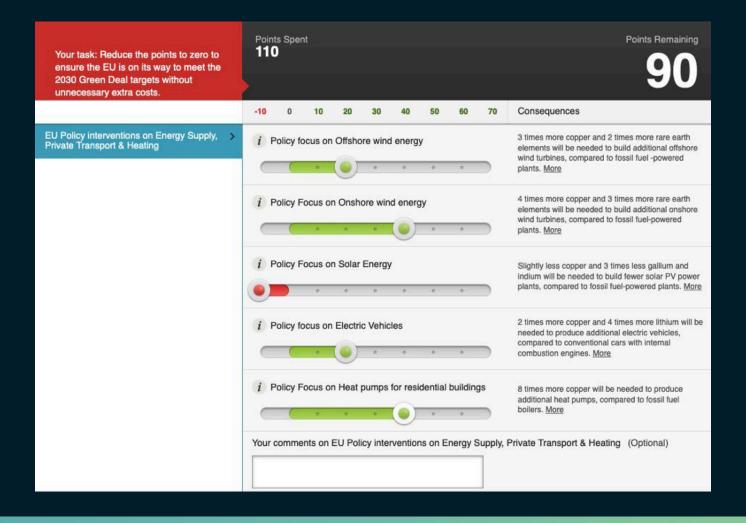
This generates both business and social benefit.





VECTOR – Social science Social Simulator



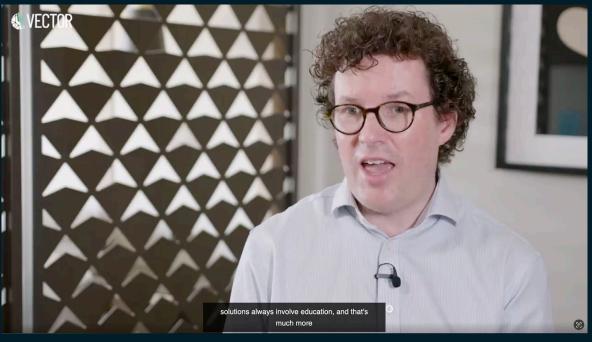




VECTOR-Social science Educator engagement









What we are not doing









Artificial Intelligence

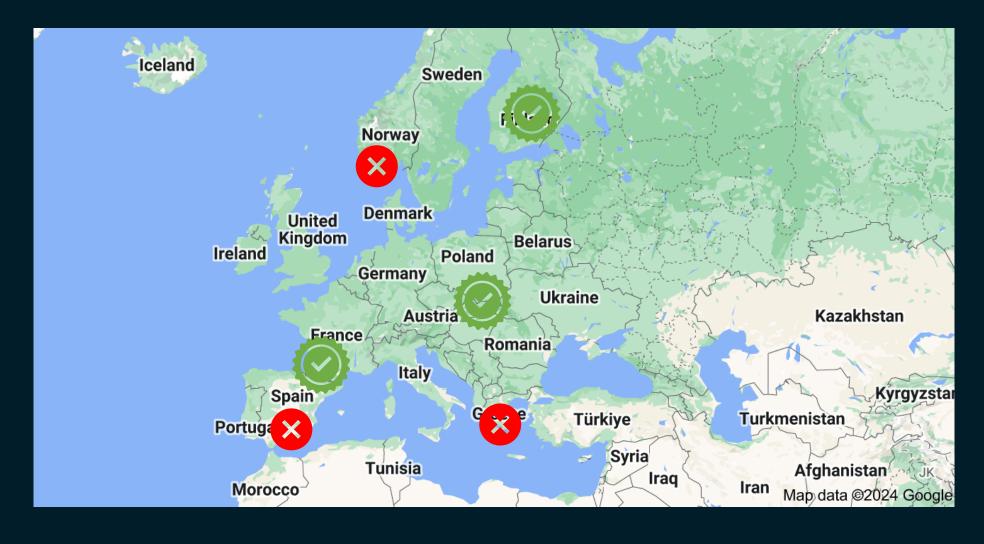
Directly influencing

Engaging with children



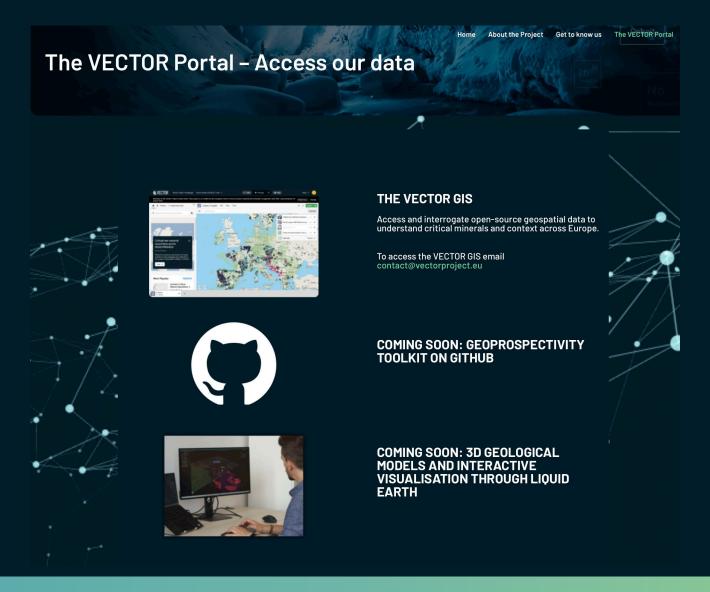
What we are not doing







VECTOR Portal







VECTOR









t: @VECTORProjectEU

e: contact@vectorproject.eu



Co-funded by the European Union



The views expressed are those of the authors and do not necessarily reflect the views of the united nations.

