



RÉPUBLIQUE
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Géosciences pour une Terre durable

brgm

RAW MATERIALS WEEK 2023

UNFC as a harmonised information format for Critical Raw Materials projects at the EU level
French experience

Daniel Monfort & Léane Verhulst – French geological survey BRGM
Hélène Le Boedec - French Environment Ministry
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MINISTÈRE
DE LA TRANSITION
ÉCOLOGIQUE
ET DE LA COHÉSION
DES TERRITOIRES

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UNFC & CRM projects in France



- First work in France in 2022, evaluation of CRM projects after DG GROW request
- Which CRM projects select?
 - Primary resources
 - Mines/quarries under production
 - Exploration/feasibility projects ongoing
 - Old mines & old exploration permits
 - Natural occurrences without any project by the past are neglected
 - Recycling projects
 - Projects already under production
 - Projects in industrial upscaling progress
 - Low TRL projects are neglected

A data collection work

- For primary resources

- National metallic mineral resources inventory
- Mining registry
- Quarry database (for Si & Mg)
- For active projects → public company data
 - Project/company website, press releases, scientific articles, S&P Global

- For mining wastes

- Anthropogenic mineral resources inventory
- Mining waste directive data
- No active projects in mining waste recovery

Évolution Base de données
« Gisements France » : Atlas des
substances critiques et stratégiques
Rapport final
BRGM/RP-71133-FR
Décembre 2021

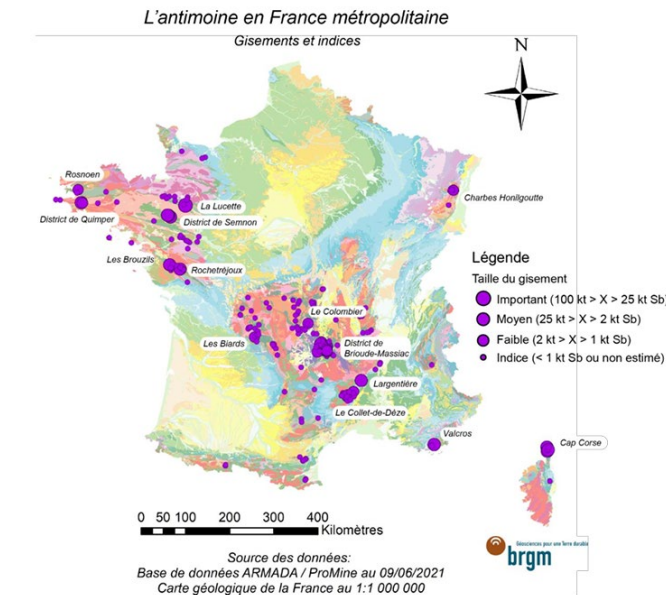
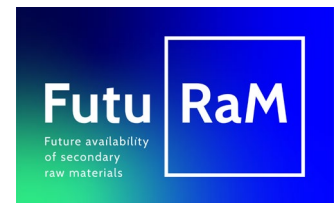


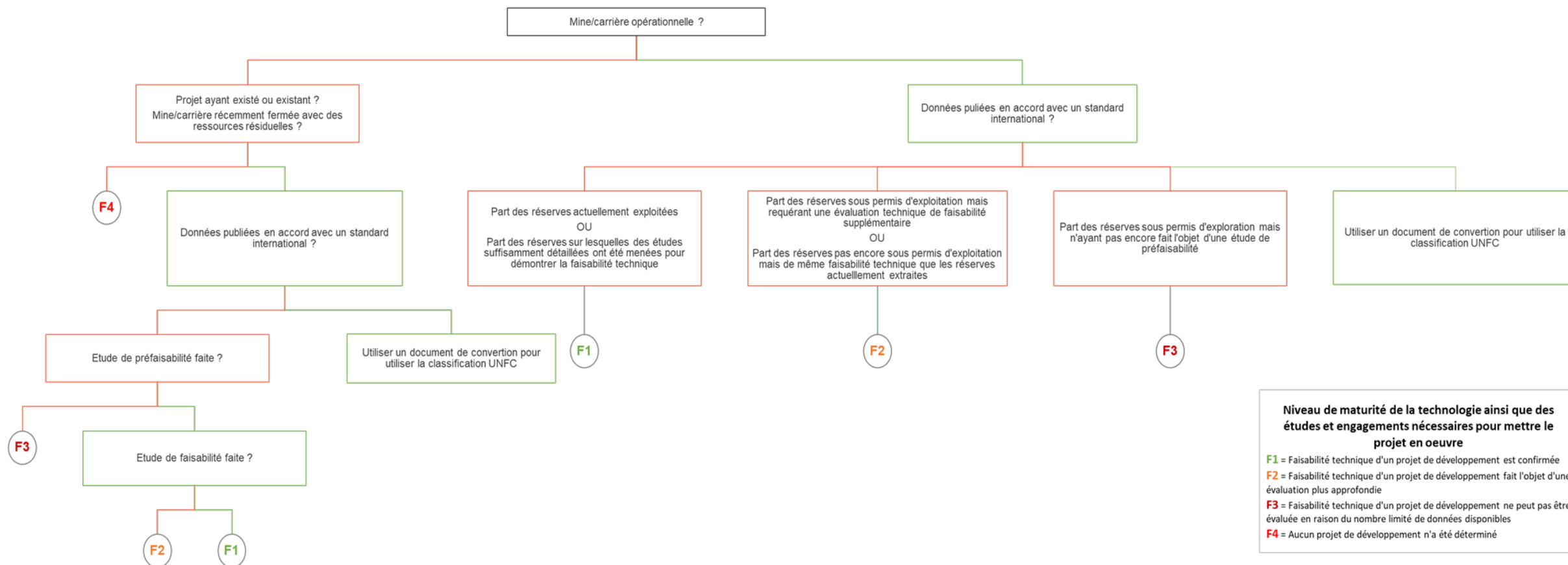
Figure 10 : Carte de distribution des gîtes d'antimoine en France métropolitaine.

A data collection work

- For recycling projects (WEEE, batteries) and co-products
 - National industrial plants register
 - Annual capacity, legal and environmental permits authorisations
 - Public funding attribution data
 - Public company data
 - Project/company website, press releases, scientific articles, industrial benchmark reports
 - G axis? Need for more data about the future quantities and composition of the products/wastes



How to evaluate?



Niveau de maturité de la technologie ainsi que des études et engagements nécessaires pour mettre le projet en oeuvre

F1 = Faisabilité technique d'un projet de développement est confirmée
F2 = Faisabilité technique d'un projet de développement fait l'objet d'une évaluation plus approfondie
F3 = Faisabilité technique d'un projet de développement ne peut pas être évaluée en raison du nombre limité de données disponibles
F4 = Aucun projet de développement n'a été déterminé

Conclusions and open questions



- Each Member State needs to define a framework of UNFC application adapted to their context (legal + data)
- Need for common template but adapted to national framework
- Simplicity and build based on existing
- Approach based on public/publishable data BUT with a minimum of feedback/validation of the company
- In the framework of the application of the CRM Act, how **Strategic projects** would be assessed?