

# AI4Minerals – AI-Powered Analysis for Mineral Resource Inventory

# PRESENTATION OF SPEAKERS



**Victor LIGER**

Head of Innovation  
BRGM



**Nicolas GILARDI**

Unit Manager  
BRGM



**Antoine CHIMARACH**

AI engineer for mineral resources  
BRGM



**Cindy DELAGE**

R&D project management  
Data & AI trainer  
justAI



**Shahinez LAMSOUNI**

Open Innovation project leader  
Cap Digital



**Claire DEHUYSSER**

Open Innovation project manager  
Cap Digital

# AGENDA

## Outline of this webinar presentation



**11H30 - 12H30**

### **Sponsor presentation**

Context and challenges associated with this innovation program

**Presentation of BRGM, Cap Digital and justAI**

**Presentation of the innovation program « AI4Minerals – AI-Powered Analysis for Mineral Resource Inventory »**

**Presentation of the conditions for participation (application, timetable, etc)**

**Questions & answers**

# BACKGROUND & ORIGIN OF THE INNOVATION PROGRAM

## The IRM Program : Inventory of Mineral Resources

Against a backdrop of energy transition and industrial sovereignty, France is strengthening its strategy to secure supplies of critical mineral resources. In response, BRGM is leading a national programme to update knowledge of the geological potential for strategic metals.

Worth €63 million over 5 years, this programme involves a large-scale inventory of the subsoil over part of mainland France and the French overseas territories, targeting around fifty critical elements.

# BACKGROUND & ORIGIN OF THE INNOVATION PROGRAM

## BRGM



In this context, BRGM is launching an innovation program aimed at **mobilising players in the field of artificial intelligence, including those not specialising in geosciences, to experiment with innovative approaches to data analysis applied to mining exploration.**

The programme is **based on several thousand geochemical samples, the aim being to produce multivariate anomaly maps that can be used to effectively guide exploration efforts.**

□ The expected results will have to combine technical rigour, geoscientific relevance and quality of interpretation.

This project is part of a demanding methodological framework, marked by an absence of “ground truth”: little direct drilling data, a majority of indirect data and a still partial knowledge of the targeted elements.

# AI4Minerals – AI-Powered Analysis for Mineral Resource Inventory

Presentation of partners

# BRGM SERVICE GÉOLOGIQUE NATIONAL

Le BRGM est l'établissement public de référence dans les applications des sciences de la Terre pour gérer les ressources et les risques du sol et du sous-sol.

Son action est orientée vers la recherche scientifique, l'appui aux politiques publiques et la coopération internationale.

**Comprendre**  
les phénomènes géologiques  
et les risques associés.

**Développer**  
des méthodologies  
et des techniques nouvelles.

**Produire et diffuser**  
des données pour la gestion  
du sol, du sous-sol et des ressources.

**Mettre à disposition**  
les outils nécessaires à la gestion  
du sol, du sous-sol et des ressources,  
à la prévention des risques et des  
pollutions, aux politiques de réponse  
au changement climatique.

**Plus de  
1000  
salariés**  
dont plus de  
700 chercheurs  
et ingénieurs

Le BRGM a pour ambition de répondre à des enjeux majeurs pour notre société, plus particulièrement à ceux liés au changement climatique, à la transition énergétique et au développement de l'économie circulaire.

Autour des géosciences, le BRGM développe une expertise pour contribuer à une gestion harmonisée et un usage maîtrisé du sol et du sous-sol des villes et des territoires.



## Géologie et connaissance du sous-sol



## Gestion des eaux souterraines



## Risques et aménagement du territoire



## Ressources minérales et économie circulaire



## Transition énergétique et espace souterrain



## Données, services et infrastructures numériques

# Key figures 2024



19

years

27

employees

206

experts



112

new members



75+

events organised

5 000

participants



650+

member structures

520+

SME & Start-up

50+

large company

9

local authorities  
(cities, metropolitan  
areas)

52

schools & labs

12

investment funds

# Who we are ?

AI consulting and engineering company



**Training** Understand AI and what makes it a revolution

**Audit and diagnosis** Identify the opportunities offered by AI for your businesses

**Consulting** Design, prioritise and cost your projects

**Engineering** Implement and roll out your projects





# AI4Minerals – AI-Powered Analysis for Mineral Resource Inventory

Presentation of the innovation program



# OUR OBJECTIVES FOR THIS INNOVATION PROGRAM

The main objectives are :

- Generate anomaly maps for each of the 49 chemical elements present in the dataset provided.
- Use statistical, spatial or machine learning approaches to identify areas of interest from heterogeneous and noisy data.

Bonus (optional but valued) :

- Bonus 1: Propose a methodology for integrating geophysical data in order to enhance, explain or confirm the anomalies detected.
- Bonus 2: Provide a metallogenic or anthropogenic interpretation of the anomalies (for example: distinguish a natural signal of interest from pollution of agricultural origin).

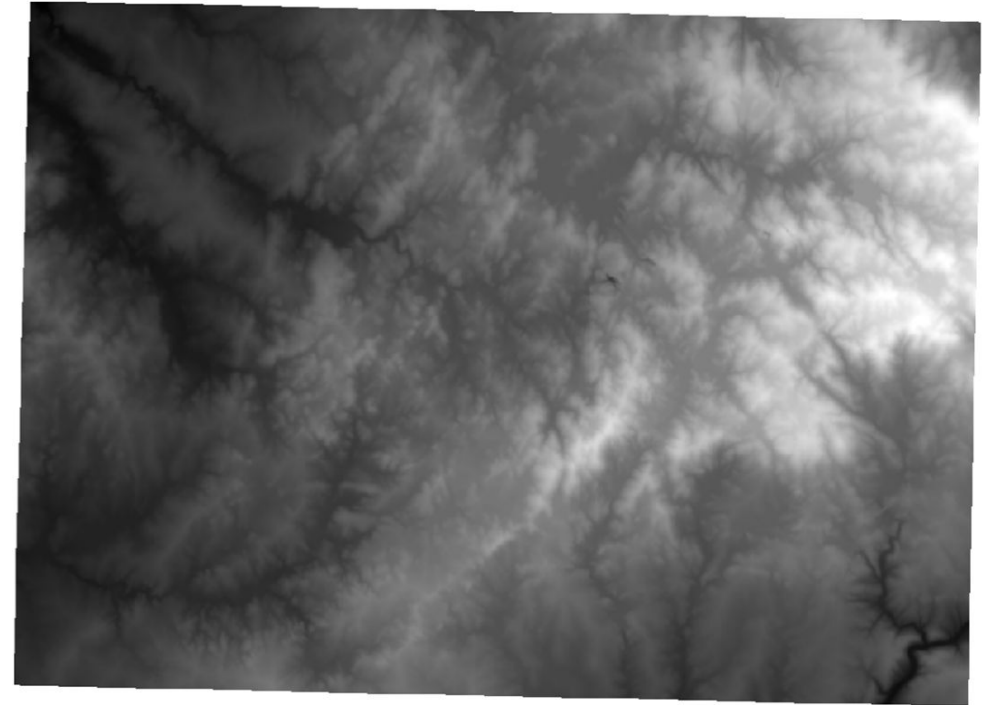
One of the aims of this innovation program is to **identify 2 to 3 partners with whom BRGM could structure long-term R&D collaborations**, beyond this experimental phase.

# EXPECTED CONTRIBUTIONS AND DELIVERABLES

- ❖ A presentation of the use case explaining the understanding of the problem
- ❖ The code that enabled the project to be carried out
- ❖ A methodological report documenting the experiments carried out, the algorithmic choices made, the additional data used, and the scaling-up process
- ❖ The interpreted maps
- ❖ An innovative, explicit and interpretable analysis methodology
- ❖ A proposed partnership with BRGM (research programme, intellectual property, business model, etc.)

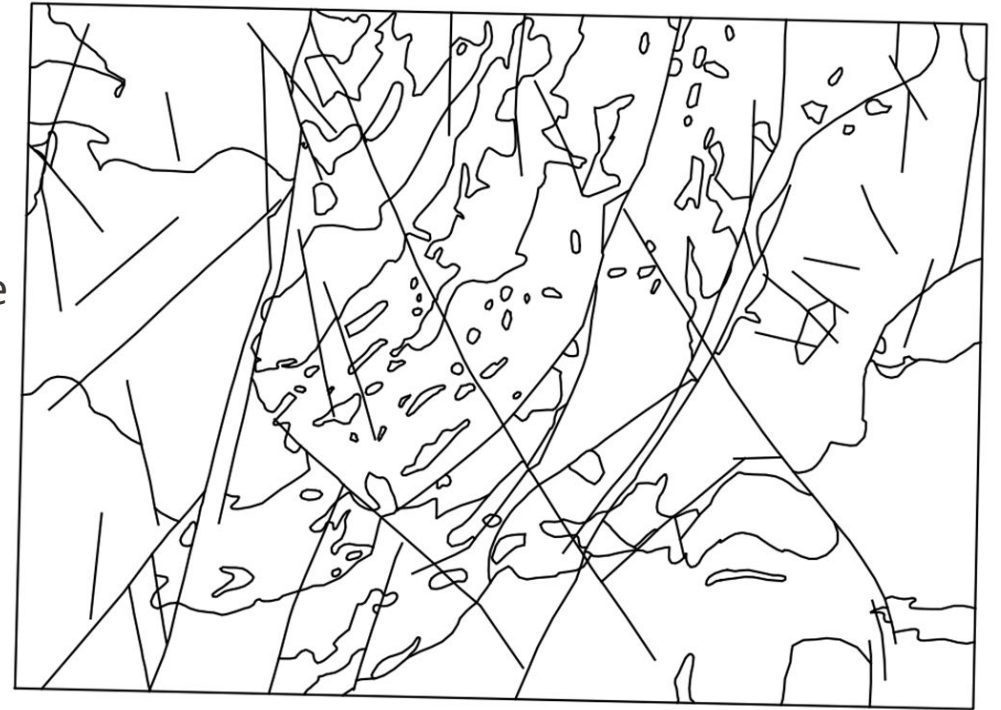
# INFORMATION AND DATA AVAILABLE

- ❖ Rules for the innovation program
- ❖ Formalisation of the innovation program : the context, format and methods for using the data provided
- ❖ Explanatory note
- ❖ Data presentation and definition of anomalies
- ❖ Jupyter notebook
- ❖ Data sets :
  - Digital terrain model : Altimetric data at adapted resolution



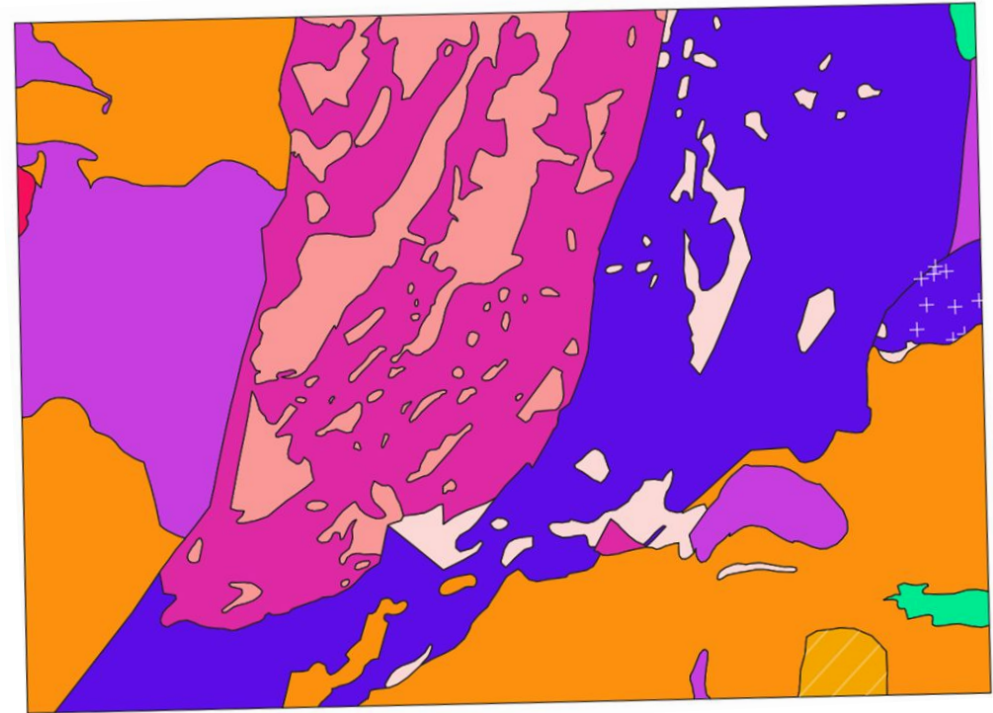
# INFORMATION AND DATA AVAILABLE

- ◆ **Rules for the innovation program**
- ◆ **Formalisation of the innovation program** : the context, format and methods for using the data provided
- ◆ **Explanatory note**
- ◆ **Data presentation and definition of anomalies**
- ◆ **Jupyter notebook**
- ◆ **Data sets :**
  - **Digital terrain model** : Altimetric data at adapted resolution
  - **Structural map**: Information on geological structures at a scale of 1:50,000.



# INFORMATION AND DATA AVAILABLE

- ◆ **Rules for the innovation program**
- ◆ **Formalisation of the innovation program** : the context, format and methods for using the data provided
- ◆ **Explanatory note**
- ◆ **Data presentation and definition of anomalies**
- ◆ **Jupyter notebook**
- ◆ **Data sets :**
  - **Digital terrain model** : Altimetric data at adapted resolution
  - **Structural map**: Information on geological structures at a scale of 1:50,000.
  - **Simplified lithology map**: Information on lithology at 1:50,000 scale.



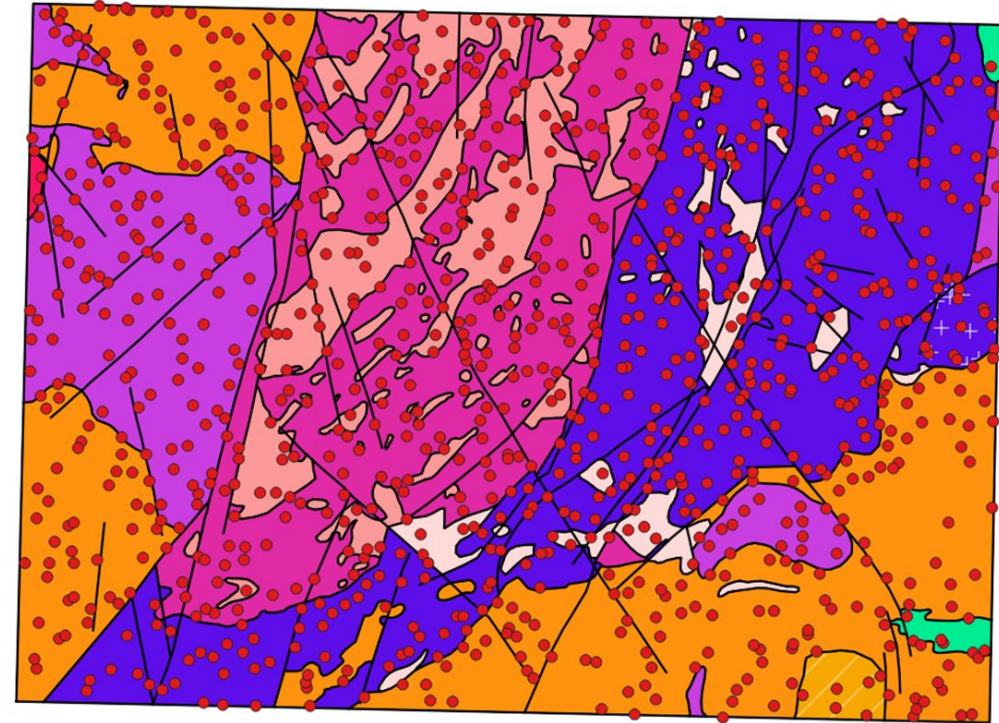
# INFORMATION AND DATA AVAILABLE

- ◆ **Rules for the innovation program**
- ◆ **Formalisation of the innovation program** : the context, format and methods for using the data provided
- ◆ **Explanatory note**
- ◆ **Data presentation and definition of anomalies**
- ◆ **Jupyter notebook**
- ◆ **Data sets :**
  - **Digital terrain model** : Altimetric data at adapted resolution
  - **Structural map**: Information on geological structures at a scale of 1:50,000.
  - **Simplified lithology map**: Information on lithology at 1:50,000 scale.
  - **Geochemical analysis of samples**: Coordinates (X, Y) and concentrations measured for around 49 chemical elements in around 1,000 samples of surface sediment.

```
"type": "FeatureCollection",  
"name": "Points geochimie AMBAZAC",  
"crs": { "type": "name", "properties": { "name": "urn:ogc:def:crs:EPSG::2154" } },  
"features": [  
    {"type": "Feature", "properties": {"INDC_B": "066A/3214", "X": 578863, "Y": 6553347, "Au_ppb": 5.3, "Ag_ppm": 0.17, "Al_pct": 7.66, "As_ppm": 45.6}, "Ba"},  
    {"type": "Feature", "properties": {"INDC_B": "066A/3216", "X": 578420, "Y": 6552939, "Au_ppb": 1.4, "Ag_ppm": 0.22, "Al_pct": 8.14, "As_ppm": 32.9}, "Ba"},  
    {"type": "Feature", "properties": {"INDC_B": "066A/3219", "X": 578801, "Y": 6552852, "Au_ppb": 1.3, "Ag_ppm": 0.13, "Al_pct": 9.54, "As_ppm": 27.1}, "Ba"},  
    {"type": "Feature", "properties": {"INDC_B": "066A/3220", "X": 578921, "Y": 6551915, "Au_ppb": 0.9, "Ag_ppm": 0.18, "Al_pct": 9.58, "As_ppm": 19.7}, "Ba"},  
    {"type": "Feature", "properties": {"INDC_B": "066A/3222", "X": 577835, "Y": 6551015, "Au_ppb": 39.9, "Ag_ppm": 0.20, "Al_pct": 7.25, "As_ppm": 25.9}, "Ba"},  
    {"type": "Feature", "properties": {"INDC_B": "066A/3225", "X": 578458, "Y": 6559790, "Au_ppb": 2.8, "Ag_ppm": 0.27, "Al_pct": 7.31, "As_ppm": 19.3}, "Ba"},  
    {"type": "Feature", "properties": {"INDC_B": "066A/3227", "X": 578896, "Y": 6559400, "Au_ppb": 1.1, "Ag_ppm": 0.23, "Al_pct": 8.57, "As_ppm": 20.9}, "Ba"},  
    {"type": "Feature", "properties": {"INDC_B": "066A/3228", "X": 578488, "Y": 6559160, "Au_ppb": 2.2, "Ag_ppm": 0.19, "Al_pct": 9.73, "As_ppm": 31.1}, "Ba"},  
    {"type": "Feature", "properties": {"INDC_B": "066A/3229", "X": 579000, "Y": 6549025, "Au_ppb": 4.5, "Ag_ppm": 0.21, "Al_pct": 8.30, "As_ppm": 29.7}, "Ba"},  
    {"type": "Feature", "properties": {"INDC_B": "066A/3230", "X": 578656, "Y": 6549564, "Au_ppb": 2.7, "Ag_ppm": 0.18, "Al_pct": 8.21, "As_ppm": 14.6}, "Ba"},  
    {"type": "Feature", "properties": {"INDC_B": "066A/3232", "X": 578143, "Y": 6549292, "Au_ppb": 2.3, "Ag_ppm": 0.16, "Al_pct": 7.42, "As_ppm": 23.8}, "Ba"},  
    {"type": "Feature", "properties": {"INDC_B": "066A/3234", "X": 577580, "Y": 6549937, "Au_ppb": 1.3, "Ag_ppm": 0.15, "Al_pct": 6.23, "As_ppm": 19.8}, "Ba"},  
    {"type": "Feature", "properties": {"INDC_B": "066A/3236", "X": 577671, "Y": 6549575, "Au_ppb": 1.4, "Ag_ppm": 0.27, "Al_pct": 8.5, "As_ppm": 22.3}, "Ba"},  
    {"type": "Feature", "properties": {"INDC_B": "066A/3239", "X": 578688, "Y": 6548045, "Au_ppb": 3.8, "Ag_ppm": 0.14, "Al_pct": 12.35, "As_ppm": 32.6}, "Ba"},  
    {"type": "Feature", "properties": {"INDC_B": "066A/3240", "X": 578425, "Y": 6547915, "Au_ppb": 1.2, "Ag_ppm": 0.23, "Al_pct": 8.93, "As_ppm": 29.1}, "Ba"},  
    {"type": "Feature", "properties": {"INDC_B": "066A/3247", "X": 577557, "Y": 6547307, "Au_ppb": 1.1, "Ag_ppm": 0.19, "Al_pct": 8.09, "As_ppm": 19.2}, "Ba"},  
    {"type": "Feature", "properties": {"INDC_B": "066A/3248", "X": 577890, "Y": 6547324, "Au_ppb": 1.5, "Ag_ppm": 0.21, "Al_pct": 7.89, "As_ppm": 30.5}, "Ba"},  
    {"type": "Feature", "properties": {"INDC_B": "066A/3249", "X": 577290, "Y": 6547005, "Au_ppb": 1.7, "Ag_ppm": 0.11, "Al_pct": 6.86, "As_ppm": 14.6}, "Ba"},  
    {"type": "Feature", "properties": {"INDC_B": "066A/3250", "X": 577969, "Y": 6547038, "Au_ppb": 1.3, "Ag_ppm": 0.14, "Al_pct": 5.53, "As_ppm": 16.4}, "Ba"},  
    {"type": "Feature", "properties": {"INDC_B": "066A/3252", "X": 577022, "Y": 6546246, "Au_ppb": 2.9, "Ag_ppm": 0.28, "Al_pct": 5.49, "As_ppm": 16.0}, "Ba"},  
    {"type": "Feature", "properties": {"INDC_B": "066A/3253", "X": 577963, "Y": 6545952, "Au_ppb": 1.6, "Ag_ppm": 0.17, "Al_pct": 7.04, "As_ppm": 10.0}, "Ba"},  
    {"type": "Feature", "properties": {"INDC_B": "066A/3255", "X": 578593, "Y": 6546455, "Au_ppb": 2.4, "Ag_ppm": 0.1, "Al_pct": 6.3, "As_ppm": 19.2}, "Ba"},  
    {"type": "Feature", "properties": {"INDC_B": "066A/3256", "X": 578650, "Y": 6546293, "Au_ppb": 1.6, "Ag_ppm": 0.15, "Al_pct": 9.85, "As_ppm": 33.7}, "Ba"},  
    {"type": "Feature", "properties": {"INDC_B": "066A/3257", "X": 578837, "Y": 6545938, "Au_ppb": 4.0, "Ag_ppm": 0.17, "Al_pct": 8.32, "As_ppm": 20.8}, "Ba"},  
    {"type": "Feature", "properties": {"INDC_B": "066A/3260", "X": 578979, "Y": 6545297, "Au_ppb": 0.001, "Ag_ppm": 0.18, "Al_pct": 5.93, "As_ppm": 31.2}, "Ba"},  
    {"type": "Feature", "properties": {"INDC_B": "066A/3261", "X": 578860, "Y": 6545941, "Au_ppb": 4.6, "Ag_ppm": 0.12, "Al_pct": 5.72, "As_ppm": 117.5}, "Ba"},  
    {"type": "Feature", "properties": {"INDC_B": "066A/3263", "X": 578287, "Y": 6544771, "Au_ppb": 3.6, "Ag_ppm": 0.21, "Al_pct": 10.6, "As_ppm": 90.4}, "Ba"},  
    {"type": "Feature", "properties": {"INDC_B": "066A/3265", "X": 577778, "Y": 6545105, "Au_ppb": 2.7, "Ag_ppm": 0.3, "Al_pct": 9.51, "As_ppm": 44.4}, "Ba"},  
    {"type": "Feature", "properties": {"INDC_B": "066A/3267", "X": 577044, "Y": 6545283, "Au_ppb": 2.2, "Ag_ppm": 0.24, "Al_pct": 4.71, "As_ppm": 18.7}, "Ba"},  
    {"type": "Feature", "properties": {"INDC_B": "066A/3268", "X": 576911, "Y": 6545373, "Au_ppb": 1.5, "Ag_ppm": 0.25, "Al_pct": 8.46, "As_ppm": 19.3}, "Ba"},  
    {"type": "Feature", "properties": {"INDC_B": "066A/3272", "X": 575039, "Y": 654912, "Au_ppb": 10.5, "Ag_ppm": 0.22, "Al_pct": 7.97, "As_ppm": 56.1}, "Ba"},  
    {"type": "Feature", "properties": {"INDC_B": "066A/3275", "X": 575216, "Y": 6544267, "Au_ppb": 1.3, "Ag_ppm": 0.1, "Al_pct": 1.98, "As_ppm": 18.1}, "Ba"},  
    {"type": "Feature", "properties": {"INDC_B": "066A/3277", "X": 575718, "Y": 6543748, "Au_ppb": 3.6, "Ag_ppm": 0.15, "Al_pct": 9.47, "As_ppm": 48.1}, "Ba"},  
    {"type": "Feature", "properties": {"INDC_B": "066A/3278", "X": 575741, "Y": 6544131, "Au_ppb": 7.4, "Ag_ppm": 0.15, "Al_pct": 7.63, "As_ppm": 189.5}, "Ba"},  
    {"type": "Feature", "properties": {"INDC_B": "066A/3282", "X": 577353, "Y": 6544449, "Au_ppb": 6.0, "Ag_ppm": 0.46, "Al_pct": 8.8, "As_ppm": 688.0}, "Ba"},  
    {"type": "Feature", "properties": {"INDC_B": "066A/3283", "X": 576738, "Y": 6544166, "Au_ppb": 2.7, "Ag_ppm": 0.12, "Al_pct": 5.23, "As_ppm": 94.6}, "Ba"},  
    {"type": "Feature", "properties": {"INDC_B": "066A/3285", "X": 578045, "Y": 6544074, "Au_ppb": 5.3, "Ag_ppm": 0.14, "Al_pct": 6.22, "As_ppm": 39.2}, "Ba"},  
    {"type": "Feature", "properties": {"INDC_B": "066A/3286", "X": 577653, "Y": 6543294, "Au_ppb": 2.5, "Ag_ppm": 0.11, "Al_pct": 6.88, "As_ppm": 172.5}, "Ba"},  
    {"type": "Feature", "properties": {"INDC_B": "066A/3288", "X": 576874, "Y": 6543177, "Au_ppb": 4.6, "Ag_ppm": 0.1, "Al_pct": 7.51, "As_ppm": 80.4}, "Ba"},  
    {"type": "Feature", "properties": {"INDC_B": "066A/3290", "X": 576383, "Y": 6543720, "Au_ppb": 4.6, "Ag_ppm": 0.19, "Al_pct": 9.08, "As_ppm": 88.9}, "Ba"}]
```

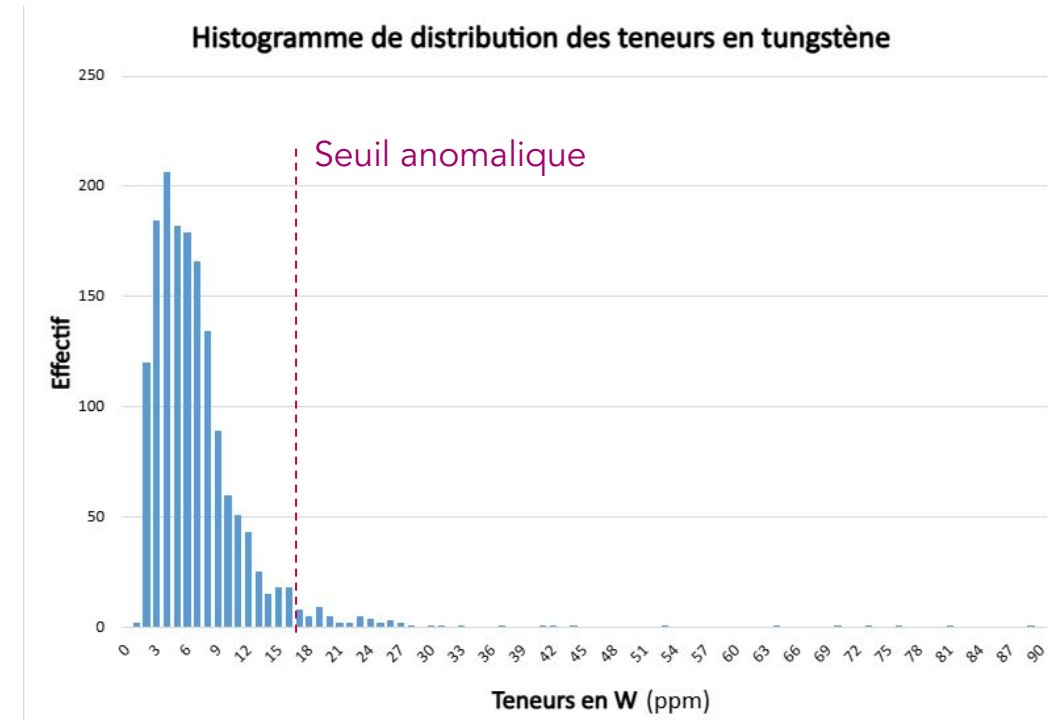
# INFORMATION AND DATA AVAILABLE

- ◆ **Rules for the innovation program**
- ◆ **Formalisation of the innovation program** : the context, format and methods for using the data provided
- ◆ **Explanatory note**
- ◆ **Data presentation and definition of anomalies**
- ◆ **Jupyter notebook**
- ◆ **Data sets :**
  - **Digital terrain model** : Altimetric data at adapted resolution
  - **Structural map**: Information on geological structures at a scale of 1:50,000.
  - **Simplified lithology map**: Information on lithology at 1:50,000 scale.
  - **Geochemical analysis of samples**: Coordinates (X, Y) and concentrations measured for around 49 chemical elements in around 1,000 samples of surface sediment.



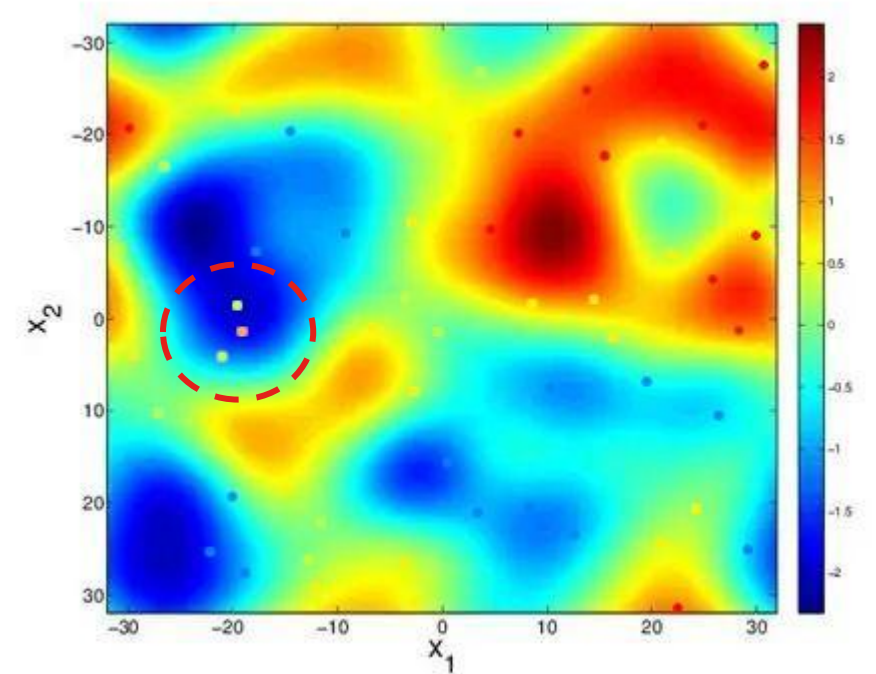
# DEFINITION OF ANOMALIES

- ❖ **Range anomaly** : a value that stands out strongly from the others in a series, often the maximum



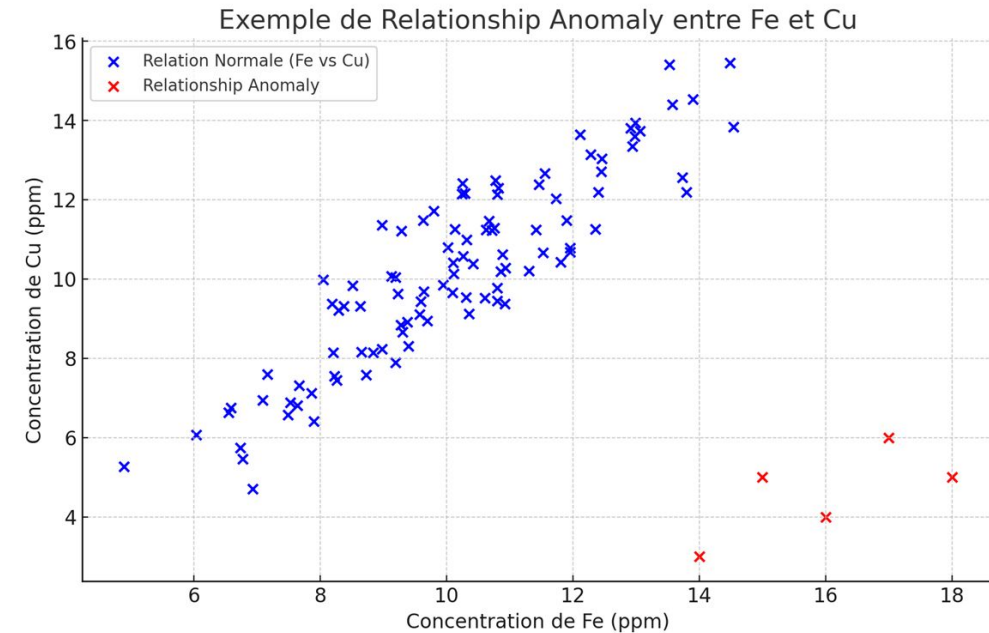
# DEFINITION OF ANOMALIES

- ❖ **Range anomaly** : a value that stands out strongly from the others in a series, often the maximum
- ❖ **Spatial anomaly** : high (or low) value in relation to neighbouring points without necessarily being the extreme value in the series



# DEFINITION OF ANOMALIES

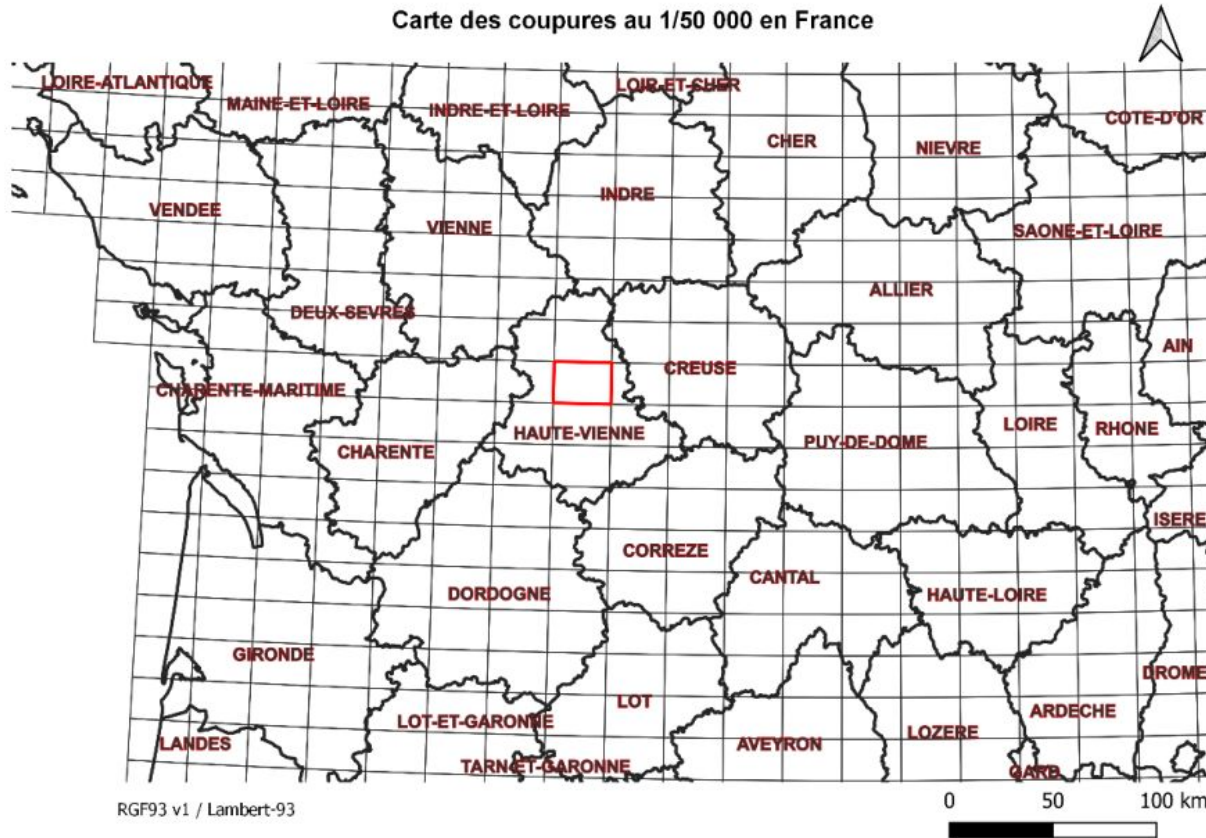
- ❖ **Range anomaly** : a value that stands out strongly from the others in a series, often the maximum
- ❖ **Spatial anomaly** : high (or low) value in relation to neighbouring points without necessarily being the extreme value in the series
- ❖ **Relationship anomaly** : combination of abnormal values between elements



# BACKGROUND TO ACQUISITIONS

- ❖ Ambazac is located in the Haute-Vienne department (87) to the north of Limoges. The area was covered by the former Mining Inventory during the 1980s, which mainly consisted of taking surface geochemical samples.
- ❖ France's leading uranium district, Ambazac is also known for its ancient Gallo-Roman gold and tin-tungsten mines. The area is already rich and complex, and is intersected by lithium-rich pegmatites.

Carte des coupures au 1/50 000 en France

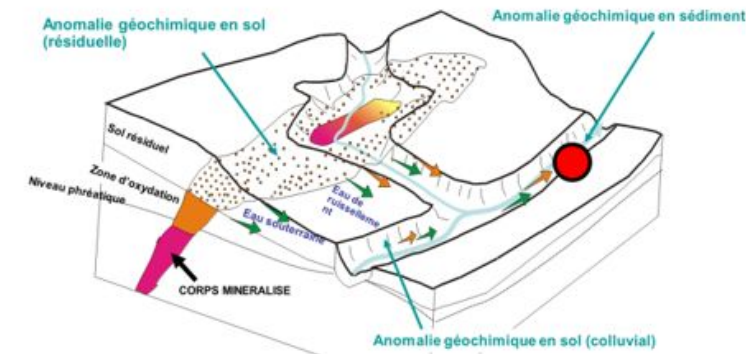


Fer à béton =  
**gisement**  
Surface réduite,  
difficile à localiser

Trace de rouille =  
**halo de dispersion  
géochimique**

Surface étendue, plus  
facilement détectable

**PROSPECTION GEOCHIMIQUE**  
Identifier les halos de dispersion et  
caractériser leur signature pour  
remonter aux minéralisations



# Work base: jupyter notebook



## Recommended libraries

### Geopandas :

- Specifically designed for geospatial data,
- Similar to the Pandas library, which makes it easier to learn.

Code standard : `df = geopandas.read_file("S_GEOL_AMBAZAC.geojson")`

### Rasterio :

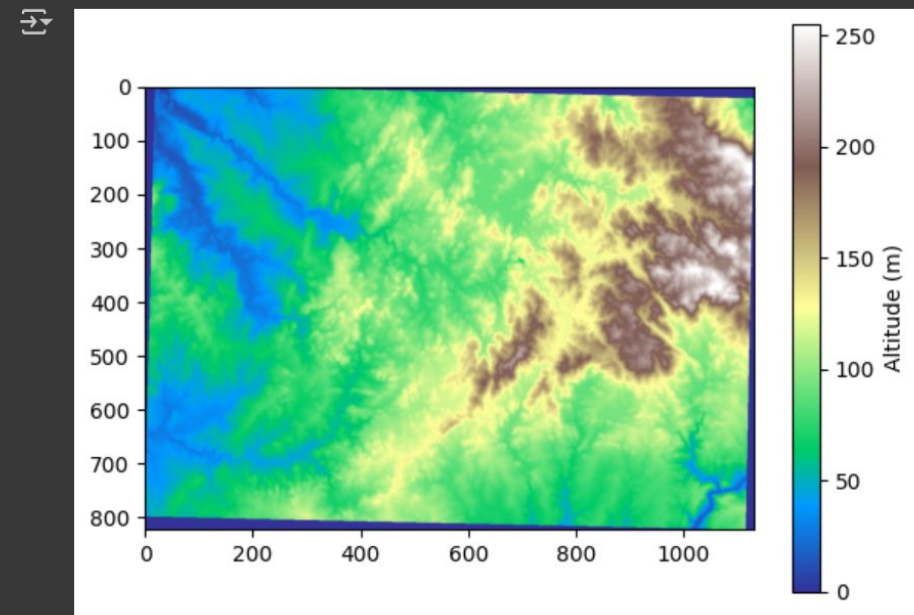
- Enables raster data formats to be read
- Use for images, for example

'MNT\_25M\_AMBAZAC\_IMAGE.tif'

```
# Get altitude values from the terrain map
with rasterio.open("MNT_25M_AMBAZAC_IMAGE.tif") as src:
    elevation = src.read(1)
    transform = src.transform
    bounds = src.bounds
```

```
[ ] # Displaying the elevation raster with a terrain color map

plt.imshow(elevation, cmap="terrain")
plt.colorbar(label="Altitude (m)")
plt.show()
```



# AI4Minerals – AI-Powered Analysis for Mineral Resource Inventory

Conditions of participation

# TERMS AND CONDITIONS OF PARTICIPATION

## Who can take part?

- ❖ This innovation program is open to companies of all sizes and nationalities, preferably European, with AI expertise.
- ❖ It is open to respondents alone or in consortium.
- ❖ If you want to set up & join a consortium :
  - Please fill in this [form](#). Your details will appear in this [file](#) , which lists all the details or organisations wishing to set up a consortium.
  - You are free to contact the organisations that interest you or to respond to any requests you may receive.

## To take part, you need to :

- ❖ Go to the [program page](#) and download all the documents in the wetransfer link
- ❖ Fill in the [application form](#) and attach your draft response : code (Jupyter notebook) and written report presenting their analyses and conclusions
- ❖ Other documents can be sent by email if required : [openinnovation@capdigital.com](mailto:openinnovation@capdigital.com)

# TERMS AND CONDITIONS OF PARTICIPATION

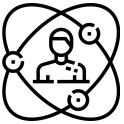
## Reminder of the different stages:

- ❖ **1. Submission of deliverables** : participants submit their code (Jupyter notebook) and a written report setting out their analyses and conclusions.
- ❖ **2. Individual assessment** : each deliverable is analysed independently by the experts on the pre-selection committee according to the defined assessment grid.
- ❖ **3. Pre-selection committee** : comparison of assessments and validation of the structures selected for the final jury.
- ❖ **4. Preparing for the interview** : candidates selected for the interview will receive the points to be clarified for the panel and a preparation session will be organised with Cap Digital.
- ❖ **5. Interviews** : selected candidates are interviewed to assess their ability to go into greater depth on certain aspects of the project, particularly those not assessed during the competition (e.g. building an R&D partnership, understanding the business, ability to communicate with non-AI specialists, etc.).
- ❖ **6. Deliberation and choice of future partners** : a group discussion finalises the ranking of candidates on the basis of interviews and deliverables.
- ❖ **7. Feedback to participants** : the final ranking is established. Feedback is sent to each participant to highlight their commitment and provide them with suggestions for improvement.

# WHY TAKE PART IN THIS INNOVATION COMPETITION?



**Grant** - A jury may select up to 3 organisations from among the finalists to enter into an experimental collaboration phase with BRGM. A specific budget will be allocated to this first phase of collaboration.



**Resources** - the opportunity to access exclusive data sets.



**Partnership agreement** - The winners will be invited to enter into discussions with BRGM with a view to structuring a longer-term R&D partnership to develop the solutions developed. This follow-up will be the subject of a specific contract, the terms of which will be defined with the interested partners.

# SELECTION CRITERIA

Applications will be assessed on the following criteria:

- ❖ **Appropriation and understanding of the issues** : understanding expectations and the context of the problem
- ❖ **Data appropriation** : understanding the variables, ability to describe the dataset, detect any inconsistencies or gaps, suggest graphs to highlight initial trends: correlations, 2D spatial projections, etc.
- ❖ **Performance indicators** : use of indicators to assess the various aspects expected of the proposed solution (analytical performance, sobriety, etc.).
- ❖ **Pedagogy** : ability to present the methodology used and the results obtained in a clear and accessible way
- ❖ **Proposed collaboration with BRGM**

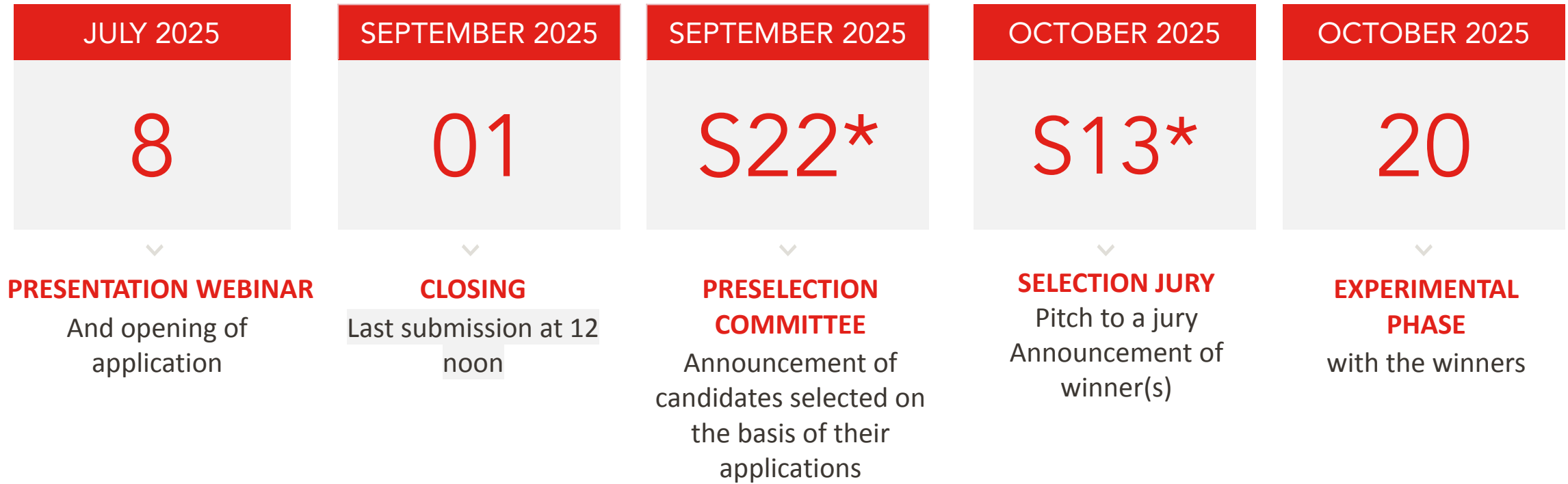
# INTELLECTUAL PROPERTY

The intellectual property dimension is very **open** and depends on :

- ❖ the candidates' **collaboration proposal**
- ❖ the **initial assets** of the applicants and their willingness to make their **own investments**

**Shared-ownership** schemes are the ones mainly envisaged.

# INNOVATION PROGRAM TIMETABLE



To access the various resources for the innovation competition (formalisation, rules, replay, FAQ, dataset, etc.) and to apply, go to :

[Program website](#)

\*The committee and the jury will take place on 22 September and 13 October respectively. The exact dates will be announced shortly.

# YOUR CONTACTS

Do you have a question about the innovation program, how to enter, the timetable...?

Contact us [openinnovation@capdigital.com](mailto:openinnovation@capdigital.com)



**Shahinez Lamsouni**  
Open Innovation project leader



**Claire Dehuysser**  
Open Innovation project manager