

# FAQ – AI4Minerals

## GENERAL QUESTIONS

- **Link with the use of SPOT images and integration into the Airbus DS Geo work loop? It seems to me that there is a history of this?**

BRGM : It's not something we're asking for, but it's more a question of collaboration. Anything that involves cross-referencing data with data that isn't ours could be very interesting. The link is not required, but it could be a plus in terms of collaboration.

- **More data: what about a synthetic data approach?**

BRGM : You can use synthetic data to build your tools. You can also use other complementary data that you feel will be useful in meeting the objectives of the competition. All you need to do is explain the nature and use of the data.

- **Will we receive this presentation so that we can share it with decision-makers for an internal go/no-go?**

Cap Digital : Yes, the webinar slides and replay will be available. You will receive a post webinar email with all the information you need.

- **Are geological maps supplied in raster or vector format (i.e. segmented according to lithologies)?**

BRGM : The structural and lithological maps are provided in vector format. The DTM is in raster format.

- **What use could you make of energy-independent sensors incorporating AI to map land? Or more generally, what type of AI hardware would be useful to you?**

Awaiting clarification from the BRGM.

- **Is the response format necessarily in Jupyter Notebook?**

BRGM : Preferably yes. In any case, Python code that we can execute.

- **What specifically are you looking for in a long-term partnership?**

BRGM : In the long term, we are looking for partners to set up AI R&D projects for mineral resources.

- **Do you have an estimate of the budget that will be allocated for this first phase of collaboration?**

BRGM : A budget will be allocated and this will be assessed on the basis of the proposed response, since the aim is to use the solution on a national scale. At the moment we can't give you a precise budget, but you can afford to be ambitious, as we're capable of putting together complex projects.

- **What about intellectual property?**

BRGM : This would be a principle of sharing IP unless it comes from assets and elements that you already have. Otherwise we're talking about development that you're going to do and in which BRGM is going to participate in the development and financially.

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- **Some methods require algorithms to be run on GPUs. How do you envisage running solutions requiring these hardware resources on your premises?**

BRGM : We work with data that has a certain level of responsibility. The algorithms will run on BRGM servers, which are generally secure. BRGM has computing resources capable of running LLMs of a reasonable size. Solutions that consume too many resources for training, for example, will not necessarily be favoured in the selection process.

- **As this is a study of strategic materials, what about the risk of extra-territoriality with the USA?**

BRGM : We want the data we collect and the models we run to analyse it to run on sovereign and secure environments. That's why, for the innovation competition, we're working on a restricted data set, but the aim will be to work on more strategic data sets as part of the R&D agreement with the winners.

*Feel free to contact us if you have any questions : [openinnovation@capdigital.com](mailto:openinnovation@capdigital.com).*