EXCAVATION MATERIALS MANAGEMENT PLAN: PROGRESS AND ONGOING WORK

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WG3 – Integrate Europe
Task 3.4 - Management of excavated materials
D3.4: Preliminary excavation materials management plan (CETU)
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Description of deliverable D3.4 Preliminary excavation materials management plan

Objectives

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Contributors

Progress and provisional schedule
Description of deliverable D3.4 Preliminary excavation materials management plan

As mentioned in the FCCIS Program …

“A technical/managerial report that summarises the approach for managing the approximately 9 million cubic meters of excavation materials in a resource- and cost-effective way, pointing to innovation potentials with economic benefits for companies and environmental advantages for the European society.

The plan is considered to be preliminary, since specific management processes, the economic viability and the environmental benefits of the envisaged excavation materials use cases depend strongly on the precise sub-surface investigations, the evolution of legal frameworks in the EU and Switzerland and the response of companies to market surveys, all of which are expected to evolve after this H2020 project ends.”
Objectives

As part of WP3 …

“The project can only be implemented if both, a territorial implementation scenario is societally acceptable and if the required performance for scientific research can be delivered.”

This also includes: the Owner’s Strategy as regards management and use of huge quantities of excavation materials, preservation of natural resources and avoidance of final disposal.

At this stage of development, the Owner has to demonstrate that he has tackled the problem and that the feasibility of the project has been studied as regards excavated material management to limit environmental impacts.

This may have economic consequences but both cost and risk have to be controlled.
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+ References and appendices
Contributors

Collaboration with external experts:
- *Regulatory framework*: University of Lyon 3,
- *3D subsurface modelling*: University of Geneva, GESDEC, University of Grenoble, Université “La Sorbonne” (Paris)

Support by external consultants:
e.g. Inventory of regional opportunities: SETEC/Lerm
Progress and provisional schedule
### Chapter 1. An exceptional project concerning the management of excavated materials

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<td>1.1. → 1.4.</td>
<td>CERN</td>
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### Chapter 2. Risk management process for the MATEX

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<td>CEREMA/CETU/CERN</td>
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<td>In progress. Geological investigations by M. Haas (PhD)</td>
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<td>2.5 Strategy for handling and treatment of polluted materials</td>
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<td>2.6 Quality management</td>
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<td>December 2021</td>
<td>Acceptance conditions: SETEC work on inventory of local installations. Collaboration with other owners?</td>
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### Chapter 3. Management and use of excavated materials

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### Chapter 4. Innovative roadmap and action plan

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“Mining the Future”: Mineralogical, chemical and geotechnical characterization ongoing: first results are available on ZENODO
First draft of the management plan available at the end of 2022
Thank you for your attention.