

UPACMIC LIFE12 ENV/FI/000592

Newsletter 4



Dear Newsletter Recipient,

The UPACMIC project has been running since 2013 and the first phase of the piloting has now been successfully completed. The fibre clay cover structure for enrichment sand pond was piloted in Hitura mine. The sealed structure was made with three different fiber clays and a reference structure with moraine was also implemented. The properties of the fiber clay met the requirements of construction and can be regarded as a potential substitute for moraine in mining. The construction was carried out by the project partner Fortum Waste Solutions Oy and the construction was supervised by the Centre for Economic Development, Transport and the Environment of Northern Ostrobothnia. Read more about cover structure piloting: [link to report](http://projektit.ramboll.fi/life/upacmic/matsku/deliverables/Reports/B1%20Technical%20report,%20piloting%20cover%20structure%20with%20PR4.pdf) (<http://projektit.ramboll.fi/life/upacmic/matsku/deliverables/Reports/B1%20Technical%20report,%20piloting%20cover%20structure%20with%20PR4.pdf>)

In the second phase of the project, the bottom structure and the reactive wall will be piloted. These pilots are also planned to carry out at the Hitura mine. Design work and laboratory studies for the structures are ongoing.

The end date for the project is in August 2020 and therefore a two-year extension is being applied for the project. Within the extension period it is possible to finish the construction, follow-up and reporting of all remaining piloting activities.

UPACMIC is a LIFE+ project which aims to demonstrate that there are technically and environmentally feasible alternatives for constructing new mining facilities and remediating the existing ones without the extensive use of non-renewable natural materials such as eskers and moraines, as well as without using commercial sealing products like bentonite mattes and geo-synthetic geo-membranes.

The project is financially supported by the Finnish Ministry of the Environment and it is co-financed by the EU LIFE+ Environmental Policy & Governance programme (UPACMIC LIFE12 ENV/FI/000592).

Website: http://projektit.ramboll.fi/life/upacmic/index_eng.htm

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