ITERAMS

Integrated mineral technologies for morensustainable raw material supply.

Integrated Mineral Technologies for More Sustainable Raw Material Supply

D6.4 FIRST PROJECT NEWSLETTER

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VTT

European Commission

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1. FIRST PROJECT NEWSLETTER

The first ITERAMS newsletter, Annex A, was sent to 1155 recipients, covering researchers, the industry and decision-makers mainly within the EU. The delivery date of the first newsletter was 31.08.2017. The newsletter covered a brief introduction to the targets and purpose of the project, a summary and pictures of the project kick-off meeting held in Pori 1–2.06.2017 and a notice of the sampling campaigns that has started within the project.

At least in months 21 and 34 newsletters will be prepared in the same format and sent to a broad audience. The ITERAMS homepage gives the possibility to subscribe to the newsletter, which will further promote the project

ANNEX A: ITERAMS NEWSLETTER 1 (AUGUST 2017)

zu Castell-Rudenhausen Malin

From: ITERAMS <malin.castell=vtt.fi@mail251.atl101.mcdlv.net> on behalf of ITERAMS <malin.castell@vtt.fi>
Sent: torstai 31. elokuuta 2017 11.32
To: zu Castell-Rudenhausen Malin
Subject: ITERAMS Newsletter 1 (August 2017)

ITERAMS

ITERAMS Newsletter 1 (August 2017)

PROJECT

The EU Horizon 2020 ITERAMS project "Integrated Mineral Technologies for More Sustainable Raw Material Supply" intends to reinvent the role of water and waste in mining. The project targets at significantly reducing water consumption by circulating process waters as well as the amounts of tailings waste through valorization of the mineral matrix. Developed water and waste efficient concepts will be jointly validated by industrial and research partners at partners' mine sites in Finland, Portugal and either in Chile or South Africa. Created knowledge is used for the industrially relevant water recycling testing protocol development. New developed holistic water and waste concepts and systems result in higher technical, economic, and environmental performance in raw materials production. After ITERAMS, the EU has the potential to be in the forefront with regard to minimal wastes, minimal energy and minimal water consumption in the mining sector.

Read ITERAMS Press Release 30-8-2017 here
Visit ITERAMS website here

Funded by the European Commission (GA 730480)

ITERAMS Coordinator

VTT

ITERAMS Partners

Outotec

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KICK-OFF MEETING

The ITERAMS consortium met in Pori, Finland, 1-2.6.2017 in order to kick off the three-year project, which will run until 31 May 2020. The consortium with 16 partners coordinated by VTT Technical Research Centre of Finland is multidisciplinary covering well the disciplines of geology, mining, minerals processing, microbiology, thermodynamics, chemistry, water and environmental sciences, sustainability, process modelling and simulation in a close cooperation between academia and industry. Partners discussed main technical issues through the presentation of the activities in each WP. Work to be done during the first semester of the project was scheduled. Outotec hosted the kick-off meeting at its research centre in Pori, where partners also had the possibility to attend the laboratory and pilot plant tour.

SAMPLING CAMPAIGNS STARTED

Three mining partner sites at Boliden (Finland), Somincor (Portugal) and Anglo American (Chile or South Africa) provide samples to the project. Developed ITERAMS water and waste efficient concepts will later be jointly validated at these mine sites, which were selected to provide various conditions e.g. in mineralogy and in geographical area. The first summer sampling campaigns started in July in Boliden Kevitsa mine above the arctic circle. The orebody mineralogy and potential suitable geopolymer locations were identified and first samples from blast benches and tailings area were collected for ore property modification and geopolymer studies. Water sampling also started from different parts of the

process for water circulation studies. Sampling campaigns at Somincor and Anglo American mines are planned for late summer. Successful sampling campaigns enable the ITERAMS project to continue the development of efficient water and waste methods.