

Raw Materials Week

12-16 November 2018



Copernicus for Raw Materials: making the potential fully operational

12 November 2018

Le Plaza Hotel (Boulevard Adolphe Max 118-126, 1000 Bruxelles)

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| 08.00-9:30 | Registration and coffee |
| 9:30-10.45 | <p>Welcome and introduction by Mr Andreas Veispak, Head of Unit, Space Data for Societal Challenges and Growth, DG GROW, European Commission</p> <p>Session I: Copernicus for Raw Materials: an overview – Chaired by Mr Manuel Gomez Herrero, DG GROW, European Commission</p> <p>Earth Observation in support of sustainable mining by the Geological Surveys of Europe -Ms Veronika Kopačková, Earth Observation and Geohazards Expert Group from EuroGeoSurveys</p> <p>EO Services and Products for the mine life cycle - Mr Bernd Schulte, GAF AG</p> <p>RawMatCop programme - Mr Wesley Crock, EIT Raw Materials</p> <p>Interactive Session – Q&A</p> |
| 10.45-11.15 | Coffee break |
| 11.15-12.30 | <p>Session II: Copernicus for Raw Materials: applications and benefits I – Chaired by Mr Zoltan Bartalis, Applications and Climate Department, European Space Agency</p> <p>GeoERA's interest in earth observation data - Ms Antje Wittenberg, GeoERA Raw Materials Consortium</p> <p>NIR-SWIR and LWIR Hyperspectral Flight Campaign in South Africa for Exploration - Mr Martin C. Schodlok, Federal Institute for Geosciences and Natural Resources</p> <p>Cornish Lithium – Evaluating the Potential for Battery Metals in Cornwall - Mr Jeremy Wrathall, Cornish Lithium Ltd</p> <p>Potential of spectral-spatial classification techniques for quantitative mapping of Arctic mineral resources using airborne and spaceborne remote sensing data - Ms Sara Salehi, Geological Survey of Denmark and Greenland</p> <p>Interactive Session – Q&A</p> |
| 12.30-14.00 | Buffet networking lunch |
| 14.00-15.30 | <p>Session III: Copernicus for Raw Materials: applications and benefits II - Chaired by Mr Dimitrios Biliouris, EASME, European Commission</p> <p>Advanced deep-sea mining exploration from space: the SAGRES project - Mr João Carvalho, ISQ</p> <p>Copernicus Sentinel-2 for monitoring assets of raw materials: from outcrops in New Caledonia to illegal mining in Colombia - Ms Elsy Ibrahim, Université de Liège</p> <p>Would COPERNICUS help in gaining awareness, acceptance and trust in mining? - Mr Stephane Chevrel, MinPol</p> |

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Use of satellite INSAR analysis and SAR derived products for mining site monitoring - Ms **Elena Francioni**, e-GEOS spa

Assessment of the Added-Value of Sentinel data for supporting mapping and monitoring of mining areas: The GeoCradle project - Ms **Marianthi Stefouli**, Institute of Geology and Mineral Exploration

Interactive Session – Q&A

15.30-16.00 **Coffee break**

16.00-18.20 **Session IV: Copernicus for Raw Materials – applications and benefits III** – Chaired by Mr **Peter Zeil**, Spatial Services Ltd

Satellite based stability and deformation monitoring of mine closure and post-closure processes – Mr **Péter Farkas**, Geo-Sentinel Ltd

Copernicus data integration with UAV and ground sensors for commercial applications in mining - Mr **Rocco Lagioia**, ITRB Group

The potential of multi- and hyperspectral satellite imagery for mineral exploration in regolith-dominated terranes - Mr **Carsten Laukamp**, CSIRO Mineral Resources, Australia

Interactive Session – Q&A

Discussion panel - How can we unlock the full potential and increase the benefits? – Moderated by Mr **Peter Zeil**, Spatial Services Ltd

Ms **Malwina Nowakowska**, Deputy Head of Unit, Resource Efficiency and Raw Materials, DG GROW, European Commission

Mr **Wesley Crock**, Head of RawMaterials Academy, EIT RawMaterials

Mr **Bernd Schulte**, GAF AG

Ms **Veronika Kopačková**, Earth Observation and Geohazards Expert Group from EuroGeoSurveys

Mr **Carsten Laukamp**, Mineral Systems Science Group Leader, CSIRO Mineral Resources (Australia)

Mr **Andor Lips**, VP Government Relations Europe, Eldorado Gold

Ms **Eibhlín Doyle**, Exploration and Mining Division, Department of Communications, Climate Action & Environment Ireland

Mr **Thibaud Delourme**, Team Leader for Copernicus user uptake, Space Data for Societal Challenges and Growth at the European Commission

18.20-18.30 **Closing remarks** by Ms **Malwina Nowakowska-Ketterle**, Deputy Head of Unit, Resource Efficiency and Raw Materials, DG GROW, European Commission

18.30 **Networking Cocktail & Poster Session**