Mineral Intelligence for Europe – Mintell4EU

The European Union has identified supply security, improvements in environment management, and resource efficiency as key challenges of the raw materials sector. Data regarding location and spatial distribution of primary and secondary raw materials with respect to exploration, exploitation, production and trade activities underpin decision making in government and industry. Given the dynamic character of such data, regular updates of comprehensive, reliable and harmonized information across borders are required.

To meet these challenges, Mintell4EU has a vision to provide easy web access to useful and reliable mineral intelligence for all of Europe. Specifically, Mintell4EU will:

- Update the European electronic – Minerals Yearbook and integrate the Yearbook into the existing Minerals4EU database

- Improve the quality and spatial coverage of the Minerals Inventory (information on primary and secondary (mining waste data) mineral resources in Europe)

- Test the UNFC classification system as a tool to obtain more accurate pan–European mineral inventories

- Improve access to Raw Materials data through the European Geological Data Infrastructure (EGDI) or external systems, such as the Raw Materials Information System (RMIS)

Have a look inside to see what has been achieved during the first year of the project.

Partners

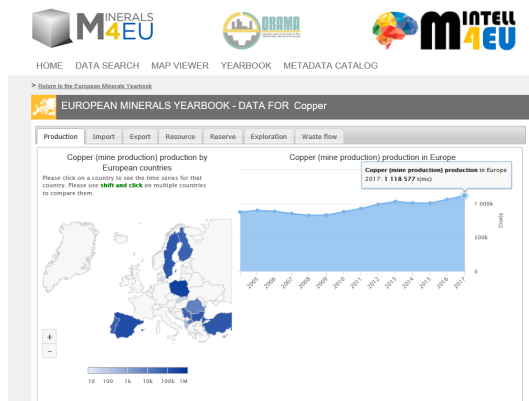**Contact information:**

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Mineral intelligence for Europe

Mintell4EU is a part of GeoERA – Establishing the European Geological Surveys Research Area to deliver a Geological Service for Europe
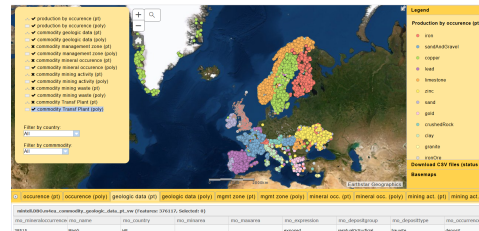
Improved Access to Raw Materials Data

The **Minerals Yearbook** has been updated with production data for 2014 to 2017 and with trade data for 2014 to 2016. These data are available through the electronic Yearbook, originally developed by the Minerals4EU project.

The next tasks are to further update the Minerals Yearbook with production data for 2018 and 2019, plus trade data for 2017 and 2018. In addition, an updated dataset for resources, reserves and exploration, for the reference year 2019, will be collected during 2020.

The spatial coverage of the **Minerals Inventory** is extended with data from Western Balkan countries in cooperation with the RESEERVE project. Besides, a **Mintell4EU Quality Control Application** (QCA) is developed to visually check the latest reported data. Related to this, a harvesting system for collecting and vali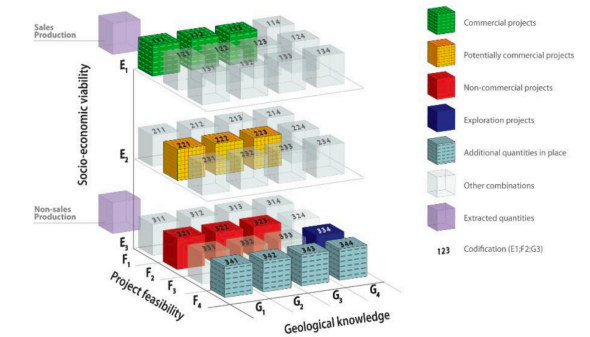dating mineral resources data is being set up, and technical routines intervening during the harvesting phase are being implemented to ensure a rigorous control of the data quality.

The subsequent task is to make more new data providers able to deliver data in a harmonized way. In order to achieve this, a workshop will be held in Ljubljana in May 2020, drawing on experiences from REESERVE and from guidelines developed by the ORAMA project.

Data on **historic mines** of tourist interest are also collected in Mintell4EU with the intention of creating a story map available from the EGDI platform.

The United Nations Framework Classification system (UNFC) is already in use for the classification of energy resources. Mintell4EU is currently testing how this system will provide better harmonization of mineral resource data in Europe and more accurate pan-European mineral inventories. The UNFC pilot has identified a number of case commodities across Europe, and also cooperates with other GeoERA raw materials projects. Hands-on guidelines developed by the ORAMA project will be adopted and tested, and cooperation with other similar ongoing initiatives will be sought.

During the past years, a number of raw material databases have been established in different projects. Mintell4EU will facilitate **dataflow and data search** through different platforms, such as **EGDI** and the Raw Materials Information System **RMIS**. A thematic web portal will be established as part of the EGDI platform to provide data from Mintell4EU in an easy and useful way building on recommendations from use cases assessed in the first part of the project.