MINDeSEA
Seabed Mineral Deposits in European Seas: Metallogeny and Geological Potential for Strategic and Critical Raw Materials

Deliverable 5.2: WP5 Database and maps on marine placers

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**D5.2. Database and maps on marine placers**

**Summary:**
GeoERA is a Co-Fund ERA-NET action under Horizon 2020, towards "Establishing the European Geological Surveys Research Area to deliver a Geological Service for Europe". Its main objective is to contribute to the optimal use and management of the subsurface.

The project "Seabed Mineral Deposits in European Seas: Metallogeny and Geological Potential for Strategic and Critical Raw Materials" (MINDeSEA), materialized in the frame of the GeoERA Raw Materials Theme (Grant Agreement Nº 731166, project GeoE.171.001), resulted from the collaboration between eight GeoERA Partners and four Non-funded Organizations at various points of common interest for exploration and investigation on seafloor mineral deposits.

This document reports a summary on the MINDeSEA database and maps of pan-European marine placers produced during the project life (July 2018 - October 2021).

The database compiles all existing and accessible data on marine placers in European waters, generating a harmonised dataset from known and sampled sites and mineral occurrences in terms of setting, morphology and mineralogical composition of erosion-resistant minerals like gold, cassiterite, rutile, garnet, magnetite, etc. Free and open access to data and maps, under CCBY license, are available in the GeoERA and EGDI portals and visors.

The database on marine placers contains **89 occurrences**, in **12 marine regions** (Arctic Ocean, Baltic Sea, Great North Sea, Bay of Biscay and Iberian Coast, Celtic Sea, English Channel, Inner Seas of the West Coast of Scotland, Irish Sea and St. George's Channel, Macaronesia, Adriatic Sea, Mediterranean Sea and Black Sea) and **14 EU countries** (Albania, Bulgaria, Cyprus, Iceland, Spain, France, United Kingdom, Ireland, Italy, Latvia, Poland, Romania, Russia, Ukraine), and mapped at a **scale 1:250,000** (Fig. 1).

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D5-2: Database and maps on marine placers

Figure 1: MINDeSEA compilation map for marine placers in pan-European seas. Last update: October 2021.

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