

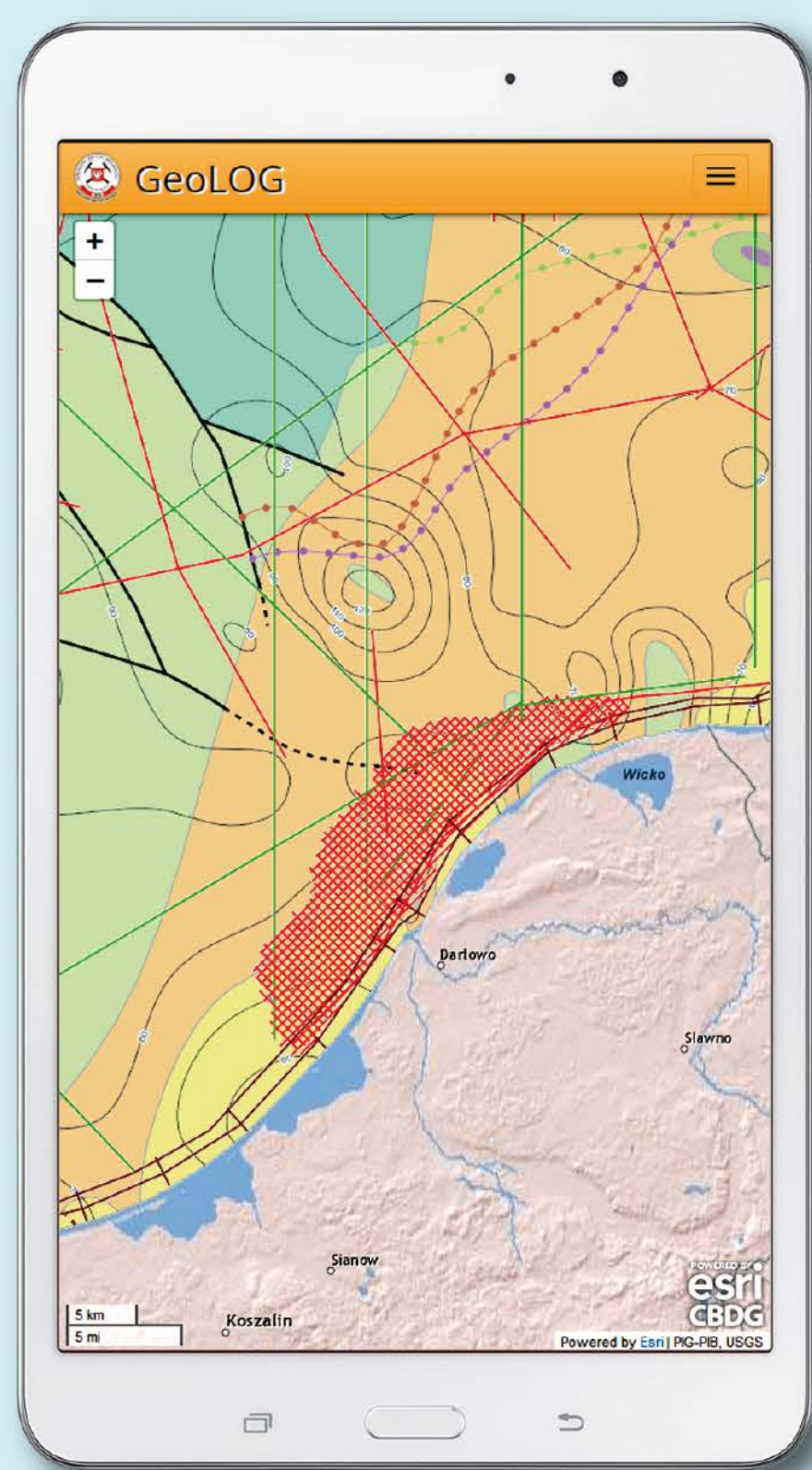
Geological data from the Baltic area in the Central Geological Database and the eCUDO.pl

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The Central Geological Database (Polish abbr. CBDG) is the largest collection of digital geological data in Poland. The database also includes marine data of the Polish maritime areas of the Baltic Sea. The CBDG is a large IT system with a series of closely related subsystems, collecting information from various fields of geology, such as detailed information on boreholes, archival geological reports and various types of geophysical research.

The marine geological data are gathered in 4 main collections:

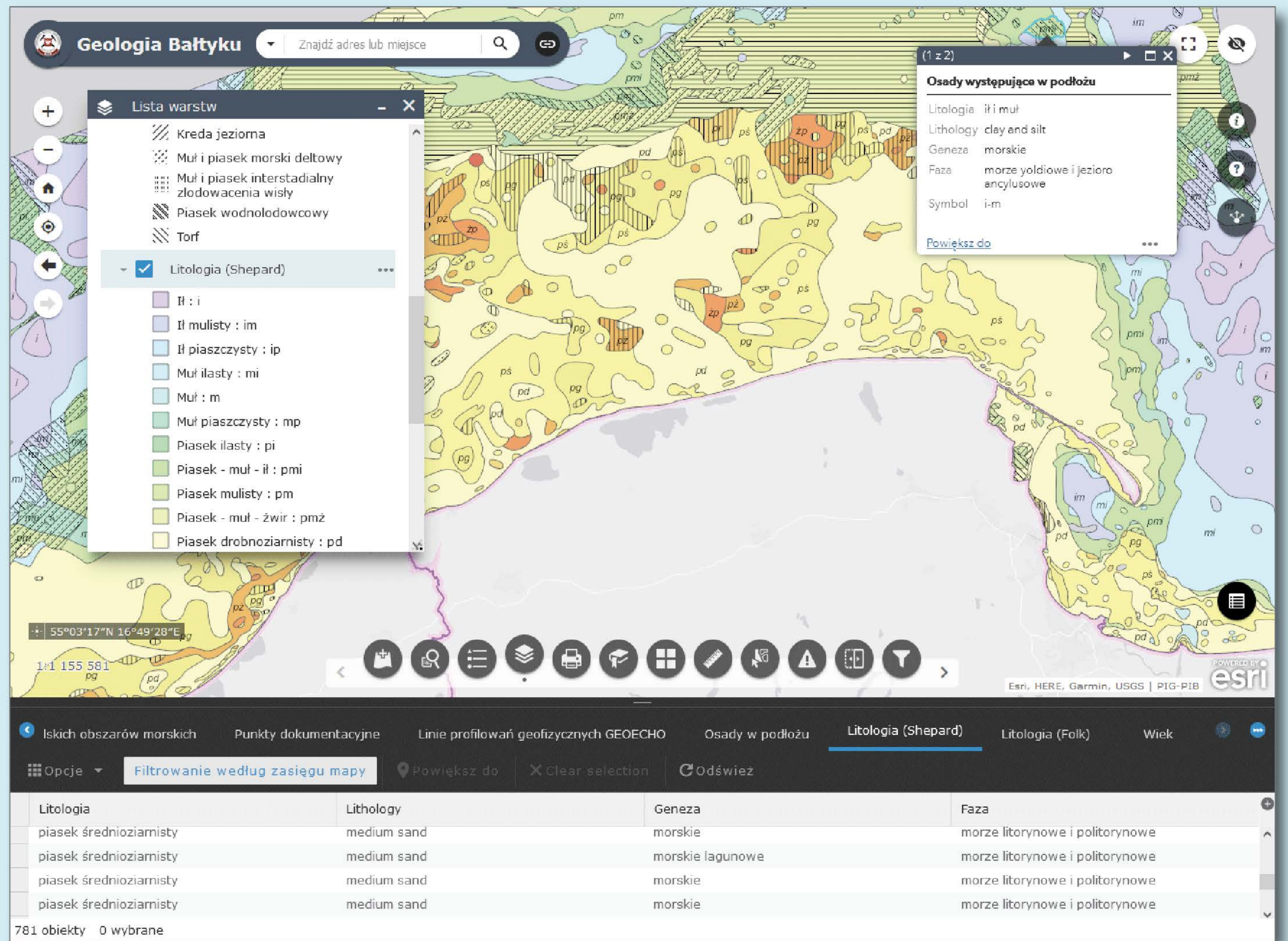
- * **Neptun** – results of laboratory geological analyses,
- * **GeoECHO** - geophysical data from seismoacoustic profiling,
- * **Geomorze** – spatial data,
- * **File Repository** – large-size data sets, the so-called heavy files.



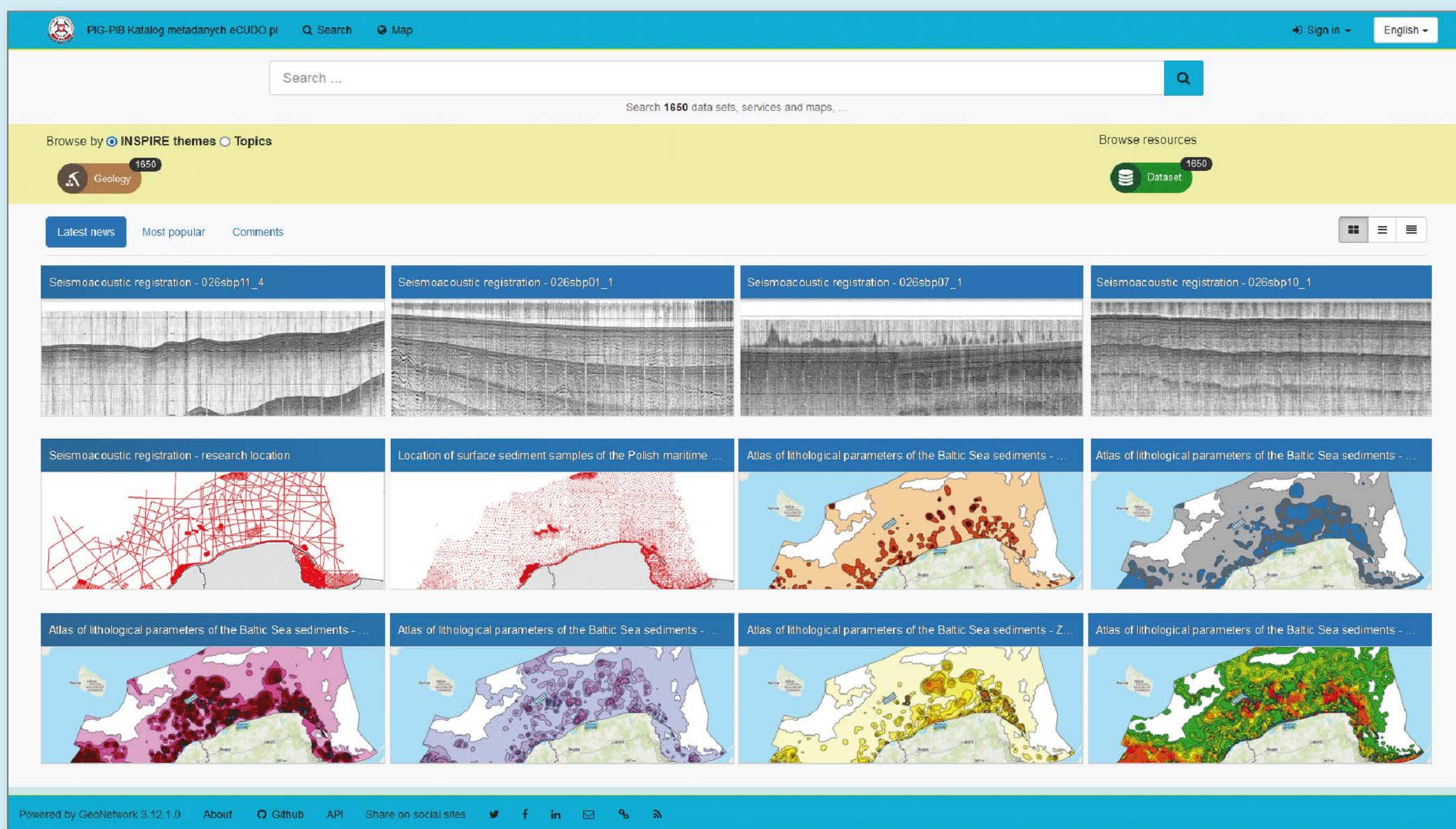
Geological map of the Baltic Sea in the **CBDG Portal GEOLOGIA** <https://geologia.pgi.gov.pl>

The datasets of the geology of the Polish maritime areas available on the Internet include: information of the surface sampling points, marine borholes and seismoacoustic profiling, geology, lithology and geochemistry of the Baltic Sea bottom in the form of maps and atlases as well as interdisciplinary studies like geoenvironmental map of Polish maritime areas. Access to them is provided by standard solutions implemented in the CBDG, such as web map and feature services, map applications and others including mobile application.

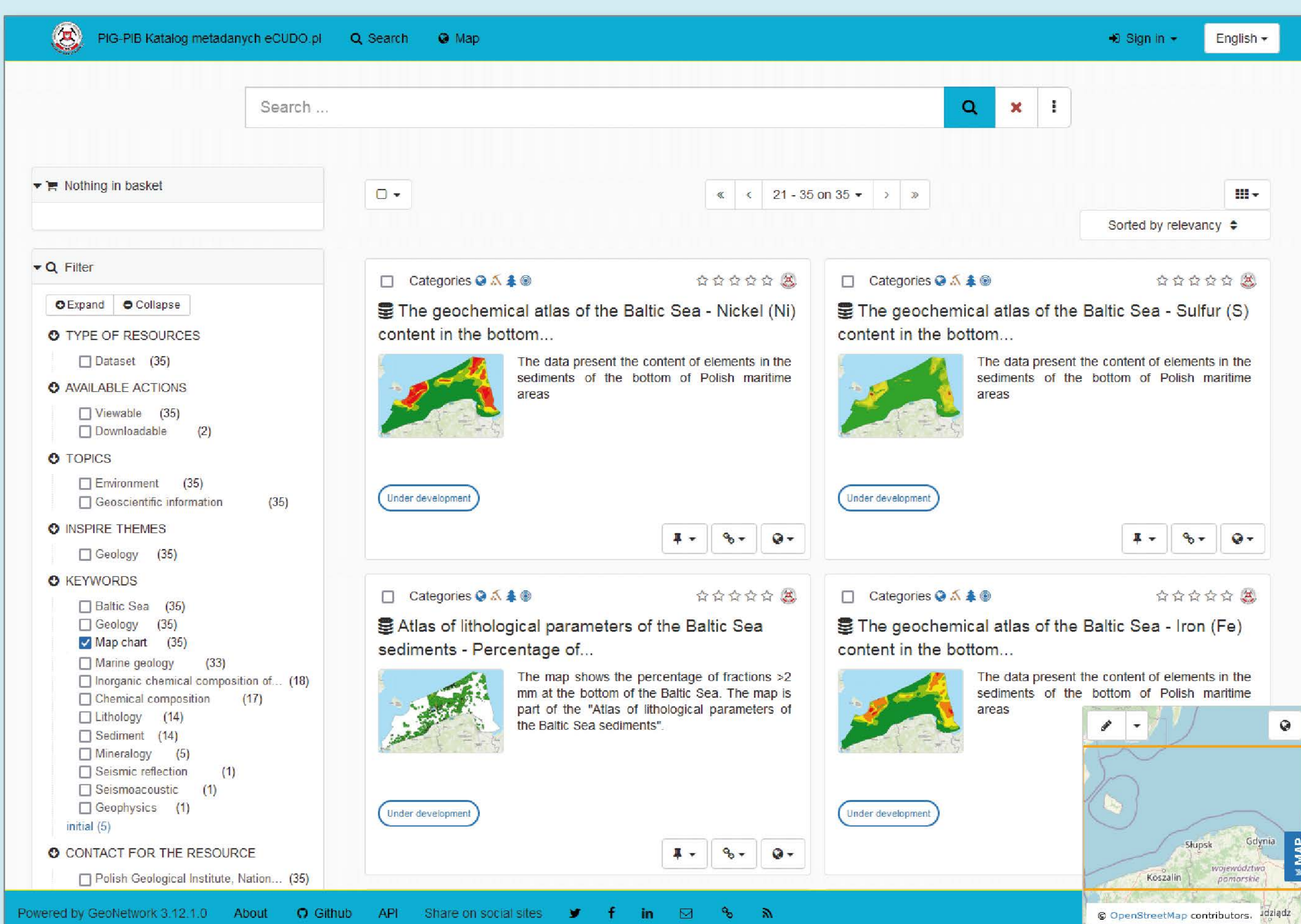
← Pre-Q geological map of the Baltic Sea and location of seismoacoustic registration in the **CBDG GeoLOG** mobile app. <https://geolog.pgi.gov.pl>



Work is currently underway to provide information on marine geological and geophysical data in the **Oceanographic Data and Information System eCUDO.pl** – project implemented by the consortium of Polish scientific and research units. For the purposes of the **eCUDO.pl** project, the **CBDG** launched a metadata server, serving information on marine geological data and supplying the central node of the **eCUDO.pl** system.



PGI-NRI eCUDO.pl federated system home site <https://ecudo.pgi.gov.pl>



PGI-NRI eCUDO.pl federated system search site <https://ecudo.pgi.gov.pl>

Sampling, investigation for creating databases and maps of the bottom of the Baltic Sea



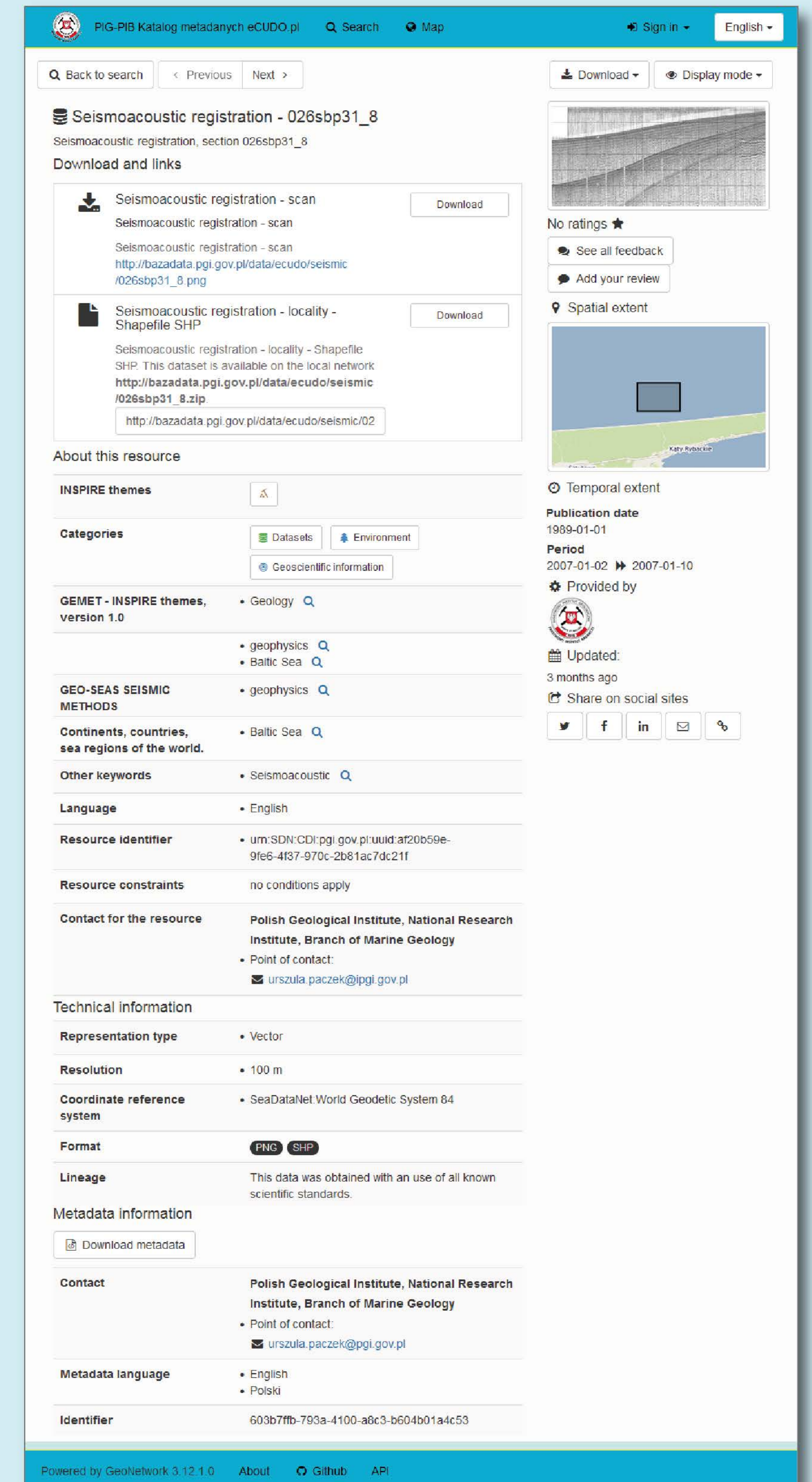
Box corer – bottom sampler



Description and sediments sampling



Sample of sand sediments



PGI-NRI eCUDO.pl federated system website with details of seismoacoustic registration metadata record <https://ecudo.pgi.gov.pl>

<https://ecudo.pgi.gov.pl>



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