

**THE UNECE CONVENTION ON ACCESS TO INFORMATION,
PUBLIC PARTICIPATION AND ACCESS TO JUSTICE IN ENVIRONMENTAL MATTERS
(AARHUS CONVENTION)**

Attachment No 1

INFORMATION TOOLS:

CASE STUDY BY POLAND

NAME OF THE TOOL

AND A ONE SENTENCE **The Central Geological /Hydrogeological Database (CBDG/CBDH)**

DESCRIPTION - largest Polish collection of digital geological and hydrogeological data .

link to the tool

<http://baza.pgi.gov.pl/> (<https://spdpsh.pgi.gov.pl/PSHv7/> - for hydrogeological data)

| I. Description | | |
|-----------------------|----------------------------|--|
| 1 | Brief description: | The Central Geological Database (Centralna Baza Danych Geologicznych – CBDG)/The Central Hydrogeological Database – Centralny Bank Danych Hydrogeologicznych – CBDH) is the largest collection of digital data on Earth sciences in Poland, such as detailed information on boreholes, archival geological /hydrogeological reports and various types of geophysical research. |
| 2 | Type: | Governmental |
| 3 | Scope: | National |
| 4 | Working language(s) | Polish, partially English |
| 5 | Target users: | The Department of Geology and Geological Concessions in the Ministry of the Environment, the National Geological Survey, the National Hydrogeological Survey, National Authority of Water Management, universities and other academic centers as well as geological enterprises and companies. |
| 6 | Starting year: | 1996 (1974 database) |
| 7 | Budget and funding source: | The Ministry of the Environment and National Authority of Water Management, contracts the Polish Geological Institute to maintain and develop the Central Geological /Hydrogeological Database, which is financed by the National Fund for Environment Protection and Water Management, c.a. 4 000 000 zł/year |
| 8 | Contact: | Polish Geological Institute - National Research Institute; Rakowiecka 4; 00-975 Warszawa; e-mail: cbdg@pgi.gov.pl (We do not use personal data). |

| II. Implementation | | |
|---------------------------|---|--|
| 9 | Policy, legal and institutional context: | Implementation of tasks of the State Geological Survey to conduct database contained in Article. 162 paragraph. 1 point 4 of the Act of 09 June 2011. Geological and Mining Law (Dz.U.2015.196 of 2015.02.09); Implementation of database of hydrogeological boreholes/objects as one of tasks of the national Hydrogeological Survey on the basis of Water Law Act. |
| 10 | Partner organizations involved: | None |
| 11 | Stakeholders involved, their expected benefits: | Ministry of the Environment and National Authority of Water Management - a quick access to updated geological /hydrogeological data. |
| 12 | User needs and methods of their assessment: | On the CBDG/CBDH sits necessary data can be quickly and precisely retrieved by means of many different applications. Continuously developed and improved, free Internet access to the database is the fastest way to find information about Poland's geology, collected by the archives for decades. |
| 13 | Technology choice: | Oracle, ESRI, Microsoft, Open Source, virtualization technology for servers |

| III. Evaluation | | |
|------------------------|---|---|
| 14 | Results: | Efficient functioning database with easy access to data through web applications and specialized reports on demand |
| 15 | Efficiency gains: | Constantly expanding collection of information with increasingly powerful applications providing detailed information make a powerful system for geological data. |
| 16 | Risks: | Unstable funding sources, difficulties in keeping data up to date. |
| 17 | Challenges encountered (please indicate resolved or not): | Data integration is possible only with the strong support of the management – in the process. |
| 18 | Lessons learned: | A big care of the dictionaries database is the basis of work on data integration. |
| 19 | Conditions for successful replication: | It is essential that a strong geological team supported by developers and really good cooperation other IT professionals. |
| 20 | Overall assessment of the tool: | An excellent tool, constantly modernized to meet the needs of user. |