



NDS

National Data Storage



Universal infrastructure for sharing, storage and effective processing of large data volumes in HPC, Big Data and artificial intelligence models



The Foundation of the NDS project is an update of the current architecture into an open, modular, expandable as well decentralized, and scalable **data warehouse**, equipped with many **access interfaces**, integrated services, and applications, including mechanisms supporting effective storage and data access, long-term management, **data mining**, analysis, and efficient processing.

By the end of 2023, the infrastructure created by the consortium members will increase the capacity of the data storage infrastructure by **200 petabytes**, the tape space by **180 petabytes** and **the Data Lake model** used in its construction will keep its high flexibility. In addition, as a result of the project, by 2023, **cost-effective services** for basic data storage and management processes, as well as their processing and analytics will be provided.



DATA LAKE

- Dynamic data repositories
- Unstructured data processing
- Advanced analysis of historical and real-time data



EDGE COMPUTING

- Processing Big Data from distributed sources
- High level integration of processing and storage services
- Real-time data processing



BIG DATA

- Effective use of large data volumes in business
- Integration of advanced Big Data, AI and ML solutions
- Support for small and medium-sized enterprises

Learn more at www.kmd.pionier.net.pl

Project partners

