Valorise research data

"As open as possible, as closed as necessary" or *"as FAIR as possible, as open as possible"*

To facilitate the management, sharing, dissemination or archiving of research data in accordance with the FAIR principles, Inist offers a range of services, tools and dedicated platforms, as well as personalised support including self-training modules. These services are essential components of the FAIR research data ecosystem at the institutional level (CNRS DDOR Research Data Plan), at the national level (National Plan for Open Science 2 - Research Data Gouv) and at the European level (EOSC - European Open Science Cloud). They are increasingly adapting to the disciplinary practices supported by national research infrastructures.

- Research Data Gouv: involved in the feasibility study of the federated national platform for research data and in the Research Data Gouv project, Inist coordinates the work package dedicated to the support and training of the platform's users. It participates in WP6, a work package dedicated to the target structure of the platform by 2025. Since the opening of the platform in July 2022, the teams contribute to the administration, moderation and training of the warehouse users. At this date, Inist integrates the Data Gouv Research ecosystem and becomes the OPIDoR and DoRANum resource centres of Data Gouv Research.

- OPIDoR Research Data Gouv Resource Centre: "Supported by CNRS-Inist, it offers the entire higher education and research community national tools and services for data management. It :

- Operates the French service for assigning perennial digital data identifiers (DOIs) to higher education and research institutions

- Provides a general-purpose tool for creating a data management plan (human- or machine-activated data management plan)

- Supports the thematic reference centres in the development of the thematic variation of the data management plan creation tools.

- DoRANum Research Data Gouv resource Centre: "CNRS-Inist and GIS Urfist are mobilising their skills and the DoRANum platform, which will be enriched by training materials or e-training courses developed with the data workshops according to the training courses they provide on their site. DoRANum will thus capitalise on generic training materials that can be reused by the data workshops, which provide training on issues relating to research data. To complete the local training, e-training will facilitate self-training for research teams. DoRANum's pedagogical engineers will also be able to provide support to thematic reference centres that so wish.

- The OPIDoR service platform provides the higher education and research community with a set of tools and services to facilitate the management and enhancement of data in order to meet the criteria of integrity, reproducibility and the FAIR principles, which aim to make data Easy to find, Accessible, Interoperable and Reusable.

- DMP OPIDoR is a tool to assist in the online creation of Data Management Plans (DMPs) available to the Higher Education and Research sector. The OPIDoR DMP tool has evolved into a "machine actionable" DMP. The aim is to make the content of the DMP both human-readable and machine-operable.

- Cat OPIDoR identifies and describes the French services that contribute to the management, sharing and reuse of scientific data throughout its life cycle.

- PID OPIDoR: Inist, the national agency for the attribution of perennial identifiers (DOI DataCite) for research data, pilots and leads the French DataCite Consortium. Since this year, Inist relies on a general assembly of members and an executive committee to federate the memberships of French and Francophone institutions and to create a place of exchange for all questions related to DOIs.

- The DoRANum training platform offers hybrid training on the management and preservation, dissemination and reuse of scientific data related to research activities.

The DoRANum platform, created in partnership with the Gis Réseau Urfist, provides nearly 100 self-training resources that accompany researchers at each stage of the data life cycle. This system is complemented by a range of remote training courses (webinars and virtual classes) and face-to-face training courses (workshops and training) run by the teams.

- The Data Exposure Service promotes research data in the form of open and collaborative digital libraries on the web. Creation or recovery of old databases, reformatting and curation of mass metadata, digitisation of textual corpus documents, the services offered are based on the processing of data and metadata in accordance with standard formats and the recommendations of the national plan for open science.

- At the European level (EOSC), Inist is an active member of the TASK FORCE EOSC - PID policy and implementation which aims to identify gaps in the PID ecosystem, to highlight mature and recognised PID infrastructures for emerging resource types, to standardise the PID graph, and to integrate PIDs into FAIR data management. The unit also participates in the FAIR Impact project whose objective is to FAIRise EOSC, supporting the implementation and dissemination of good practices around research data across the different scientific communities at European, national and institutional level and in the Skills4EOSC project whose objective is to advance open science skills by unifying the current training landscape into a common and reliable pan-European ecosystem. Finally, Inist is participating in the response to the call for projects HORIZON-INFRA-2023-EOSC-01-03 - [Planning, tracking, and assessing scientific knowledge production coordinated](#) by the CNRS DDOR. It is involved in the DMP machine actionable component