



**MINISTÈRE
DE L'ENSEIGNEMENT
SUPÉRIEUR
ET DE LA RECHERCHE**

*Liberté
Égalité
Fraternité*

**Direction Générale de la
Recherche et de l'Innovation**

REPORTS FROM COUNTRIES: FRANCE

[Volker Beckmann](#),

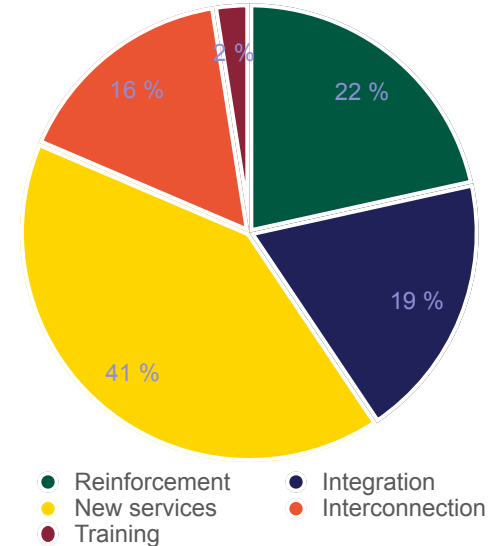
responsible for EOOSC and e-infrastructures in France at the
Ministry of Higher Education and Research (MESR)



Investments 2024

14.51 M€ seed funding invested by MESR / DGRI in 2024 to improve the computing and data storage landscape

- Reinforcing e-infras
- Integrating smaller computing centers into regional ones
- Providing new services
- Network improvements
- Training



IDRIS (CNRS, Ile-de-France):

- Jean Zay complemented with 1 456 GPUs
NVIDIA H100 (Q3 2024)



CINES (Montpellier):

- Adastra complemented with 112 APUs MI300



HPC and Quantum Computing

TGCC (CEA):

- EuroHPC's Exascale machine (Alice Recoque)
- room preparation (cooling, enforcement of structure) took place in 2024
- Call for machine launched by EuroHPC in September 2024
- Installation to be finalised in 2026

Quantum Platform

- Quantum emulator (40 Qbits)
- Installation of machine Pasqal based on cold atoms (operational 12/2024)
- Machine Quandelà (photonic quantum computer) with EuroHPC operational in 2025
- Trainings in Quantum Computing



- Strong participation of French partners in the questionnaire to express interest in participating in EOSC Federation (August 2024)
- 17 French research organisations responded (9 node proposals) to join in the first wave
- For example CNRS (with several offers like Data Terra and HAL+), Ifremer, INRAe, Inria, IFB, Inserm, Observatoire Astronomique de Strasbourg, Observatoire de Paris - PSL, Synchrotron SOLEIL, ESCAPE, GANIL / SPIRAL-2, ESRF and Recherche Data Gouv



Potential candidate Nodes

Life sciences

BBMRI ERIC
Elixir Hub
EMBL
Euro-BioImaging ERIC
Instruct ERIC

Social Sciences & Humanities

ARIADNE RI
CLARIN ERIC

Environment

ACTRIS ERIC
CNR (Blue-Cloud)

Photon & Neutron

ESRF (PANOSC)

(Astro)particle physics

CERN
CNRS (ESCAPE)

Multinational e-infra

EUDAT

National scope/mandate

AT **ACONET / EOSC Support Office**
DE **NFDI**
DK **DeiC**
FI **CSC – IT Center for Science**
FR **CNRS (Data Terra)**
HR **SRCE**
HU **HUN REN**
IT **Foundation ICSC**
LU **Lux NDS**
NL **SURF**
NO **NRIS**
PL **NCN**
SE **NDS**
SI **ARNES**
SK **CVTI SR**
UA **BITP**