

# APPENDIX 10 – E-infrastructures

## Key initiatives mentioned

### European e-Infrastructures

e-Infrastructure Reflection Group (e-IRG): <http://e-irg.eu>

GÉANT: <https://www.geant.org/>

PRACE: <http://www.prace-ri.eu/>

EuroHPC Joint Undertaking: <https://eurohpc-ju.europa.eu/>

EGI federation: <https://www.egi.eu>

The European Cloud Initiative: <https://ec.europa.eu/digital-single-market/en/%20european-cloud-initiative>

European Open Science Cloud portal: <https://eosc-portal.eu>

EUDAT: <https://eudat.eu>

OpenAIRE: <http://openaire.eu>

CoreTrustSeal data repository certification: <https://www.coretrustseal.org/>

Re3data – Registry of Research Data Repositories: <https://www.re3data.org/>

Platform of National eScience Centres in Europe (PLAN-E): <https://plan-europe.eu/>

Research Data Alliance: <https://rd-alliance.org>

WISE ‘information security for IT infrastructures for research’ community: <https://wise-community.org/>

HPC Centres of Excellence projects:

<https://ec.europa.eu/programmes/horizon2020/en/news/overview-eu-funded-centres-excellence-computing-applications>

EOSC-hub Competence Centres: <https://wiki.eosc-hub.eu/display/EOSC/WP8+Competence+Centres>

### Networks

List of National research and education networks (NRENs): [https://en.wikipedia.org/wiki/National\\_research\\_and\\_education\\_network](https://en.wikipedia.org/wiki/National_research_and_education_network)

GÉANT Compendium: <https://compendiumdatabase.geant.org/>

AfricaConnect2 project: <https://www.africaconnect2.net>

CAREN project: <http://caren.geant.org>

EaPConnect project: <https://www.eapconnect.eu/>

EUMEDCONNECT3 project: <http://www.eumedconnect3.net/Pages/Home.aspx>

TANDEM project – “TransAfrican Network Development”: <https://www.tandem-wacren.eu/>

MAGIC project – “Middleware for collaborative Applications and Global virtual Communities”:  
<https://cordis.europa.eu/project/rcn/196897/factsheet/en>

## HPC

HPC Top500 list: <https://www.top500.org/lists/>  
National Strategic Computing Initiative (USA): <https://www.nitrd.gov/nsci/>  
Exascale Computing Project (USA): <https://www.exascaleproject.org/>  
Flagship 2020 Project (Japan): <https://www.r-ccs.riken.jp/en/overview/exascalepj>  
XSEDE programme: <https://www.xsede.org/>  
Supercomputing Consortium of Russian Universities: <http://hpc.msu.ru/node/136>

## Grids and clouds

Open Research Cloud Alliance (ORCA): <http://www.openresearchcloud.org>  
Open Science Grid (USA): <https://opensciencegrid.org/>  
JetStream Cloud (USA): <https://jetstream-cloud.org>  
CyVerse: <http://www.cyverse.org/about>  
NET+ Cloud Services Program: <https://www.internet2.edu/vision-initiatives/initiatives/internet2-netplus/>  
CSTCloud federation (China): <http://cstcloud.net/>  
Indian Centre for Development of Advanced Computing: <https://www.cdac.in/index.aspx?id=hgc>  
DiCOS - operating system for the distributed Cloud environment: <https://dicos.grid.sinica.edu.tw/>  
Nectar cloud (Australia): <https://nectar.org.au/research-cloud/>  
New Zealand eScience Infrastructure (NeSI): <https://www.nesi.org.nz/>  
South African National Integrated Cyber Infrastructure System (NICIS):  
<https://www.csir.co.za/national-integrated-cyber-infrastructure-system>

## Data

CODATA: <http://www.codata.org>  
Dryad digital repository (US): <http://datadryad.org/>  
figshare (US): <http://figshare.com/>  
Harvard Dataverse (US): <http://dataverse.harvard.edu/>  
  
Open Science Framework (US): <http://osf.io/>  
Mendeley Data (US): <https://data.mendeley.com/>  
National Data Service (US): <http://www.nationaldataservice.org/>

ScienceOpen (US): <https://www.scienceopen.com/>  
Unpaywall (US): <https://unpaywall.org>  
CyVerse (US): <http://www.cyverse.org/about>  
Google Dataset Search (US): <https://toolbox.google.com/datasetsearch>  
Federated Research Data Repository (Canada): <https://www.frdr.ca>  
LA Referencia: <http://www.lareferencia.info/en/>  
Australian National Data Service: <https://www.ands.org.au>  
Research Data Australia discovery portal: <https://www.ands.org.au/online-services/research-data-australia>  
NCI National Research Data Collection (Australia): <https://nci.org.au/services/nci-national-research-data-collection/>  
African Open Science Platform initiative: <http://africanopenscience.org.za/>  
Fudan University Social Science Data Repository: <https://dataverse.org/blog/featured-dataverse-repository-fudan-university>

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