

EGI view on eInfraCentral

Sergio Andreozzi

Strategy and Policy Manager, EGI Foundation



EGI Federation + Integrated Providers



260+ HTC providers
20 Cloud providers

730,000 CPU cores
650 PB storage

1.7 Million jobs/day

2.6 Billion CPU hours/year

EGI Federation & Partners: Service Catalogues

Services from Research Organisations for their users

- Life Sciences
- Arts and Humanities
- Earth Sciences
- Computer Science and Mathematics
- Multi-disciplinary

For Life Sciences			
HADDOCK Computational tools to model complexes of proteins and other biomolecules	PowerFit A tool for rigid body fitting of atomic structures into cryo-EM density maps	DisVis Visualise and quantify the accessible interaction space in macromolecular complexes	Virtual Imaging Platform Web portal for medical simulation and image data analysis
Chipster Open source platform for data analysis	NBIS toolkit Bioinformatics tools for the life science research community (eg. SCAMP, TOPCONG)	Galaxy Open source platform for biomedical research	NAMD A tool for biomolecular modeling
ClustalW2 A platform for multiple alignment of nucleic acid and protein sequences	AutoDock Vina A molecular docking and virtual screening program	AMBER A web portal for Nuclear Magnetic Resonance (NMR) structures	CC-ROSETTA A web portal for the 3D structure prediction of proteins
FANTEN A platform for multiple alignment of nucleic acid and protein sequences			

<https://www.egi.eu/use-cases/scientific-applications-tools/>

Services of the EGI Federation to research & innovation

Compute	Storage and Data	Training
<ul style="list-style-type: none"> Cloud Compute Cloud Container Compute <i>BETA New</i> High-Throughput Compute 	<ul style="list-style-type: none"> Archive Storage Data Transfer Online Storage 	<ul style="list-style-type: none"> FitSM training <i>New</i> Training Infrastructure <i>New</i>
Applications	Platforms	Security
<ul style="list-style-type: none"> Applications on Demand <i>BETA New</i> Strategy and Policy Development Technology 	<ul style="list-style-type: none"> Workload Manager <i>BETA New</i> 	<ul style="list-style-type: none"> Check-in <i>BETA New</i>

<https://www.egi.eu/services>

Services to EGI providers to be part of the EGI Federation

Operations	Coordination
<ul style="list-style-type: none"> Accounting Collaboration Tools Configuration Database Validated Software and Repository Helpdesk Operational Tools Service Monitoring Marketplace <i>BETA New</i> 	<ul style="list-style-type: none"> Community Operation and Support ITSM Security Attribute Management Check-in <i>New</i>
Security	

<https://www.egi.eu/internal-services/>

Benefits of the eInfraCentral portal

- Single entry point to discover available services from different initiatives
- Help service providers to reach out more users
- Stimulate the dialogue among service providers on how to define/present service offerings
- Help funders to better understand how the services they fund position in the overall landscape

- Ensure high-level user experience with the increase of the number of services and the different user segments
- Ensure the consistent quality of the information across the service providers
- Combine discovery of services, tools and data

Thank you for your attention.

Questions?



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