

# Bioinformatics as a Thematic Node in EOSC

Thematic contributions to EOSC  
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# The German Network for Bioinformatics Infrastructure - de.NBI



Federated academic research infrastructure since 2015



Bioinformatics tools & services for life sciences



Compute resources for academia in Germany

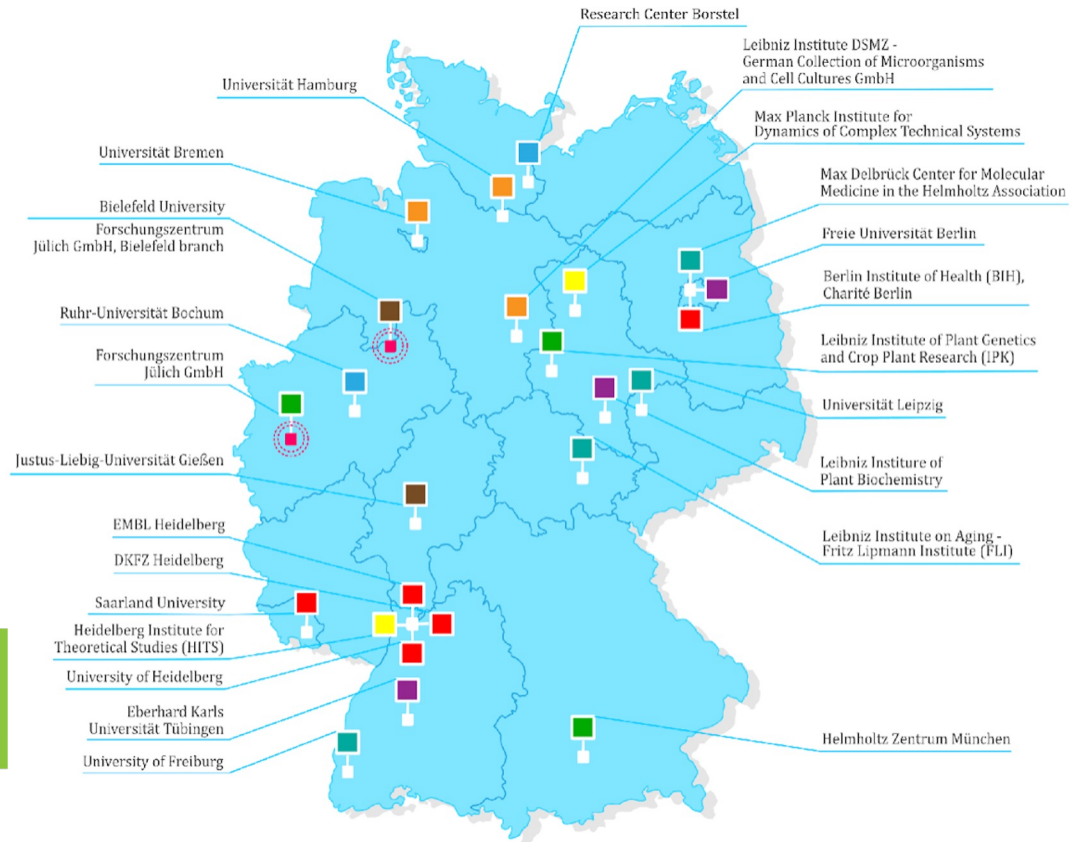


Transfer of expertise between academia and industry

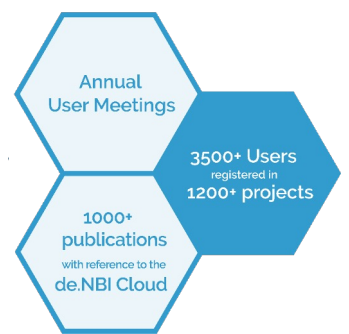
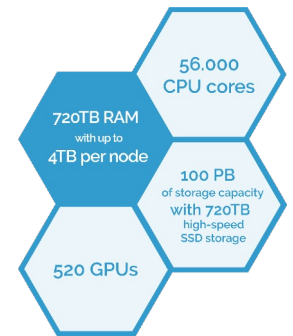
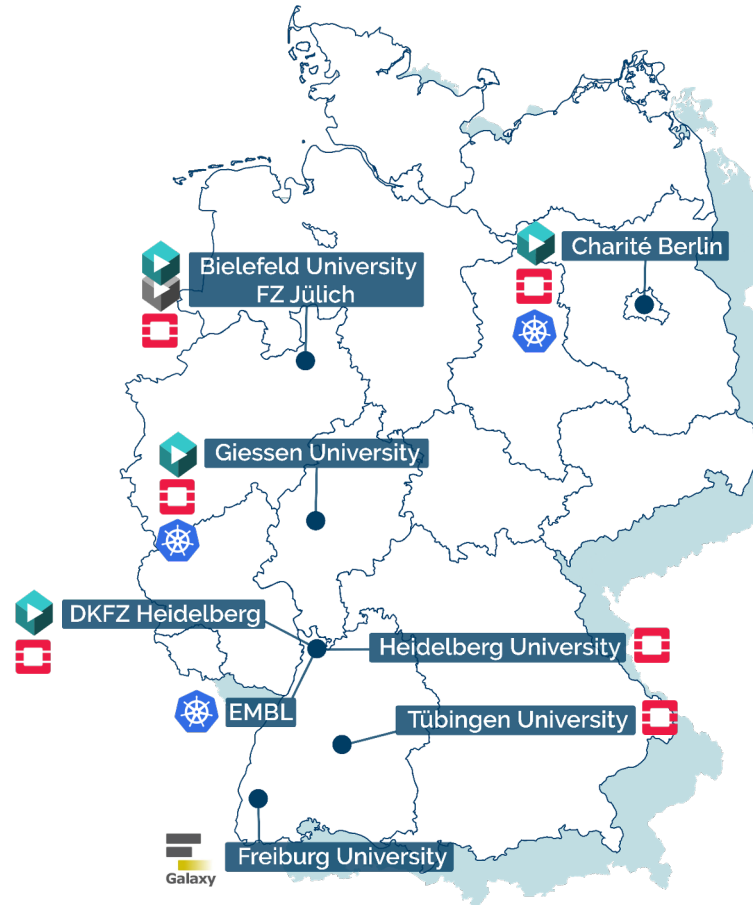
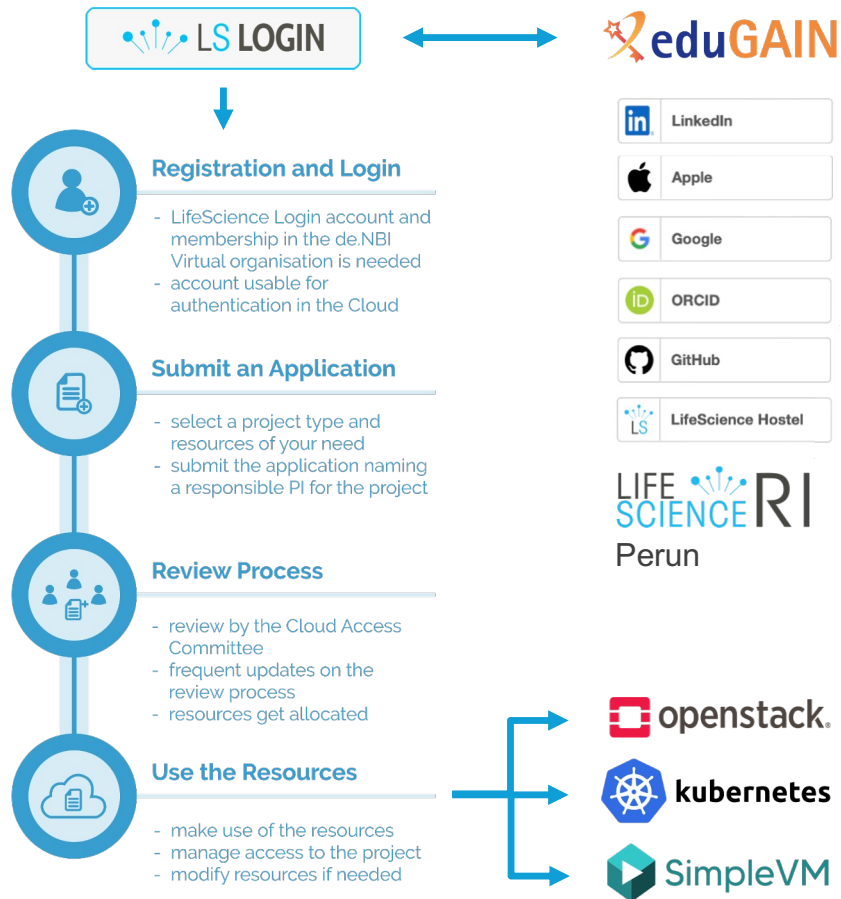


ELIXIR-DE: national node of ELIXIR Europe ESFRI

EPIGENOMICS  
 PHENOTYPING  
 PROTEOMICS  
 GENOMICS  
 MICROBIOLOGY  
 METABOLOMICS  
 METAGENOMICS  
 DATA MANAGEMENT  
 IMAGING  
 MODELING  
 RNA  
 ENZYMOLOGY

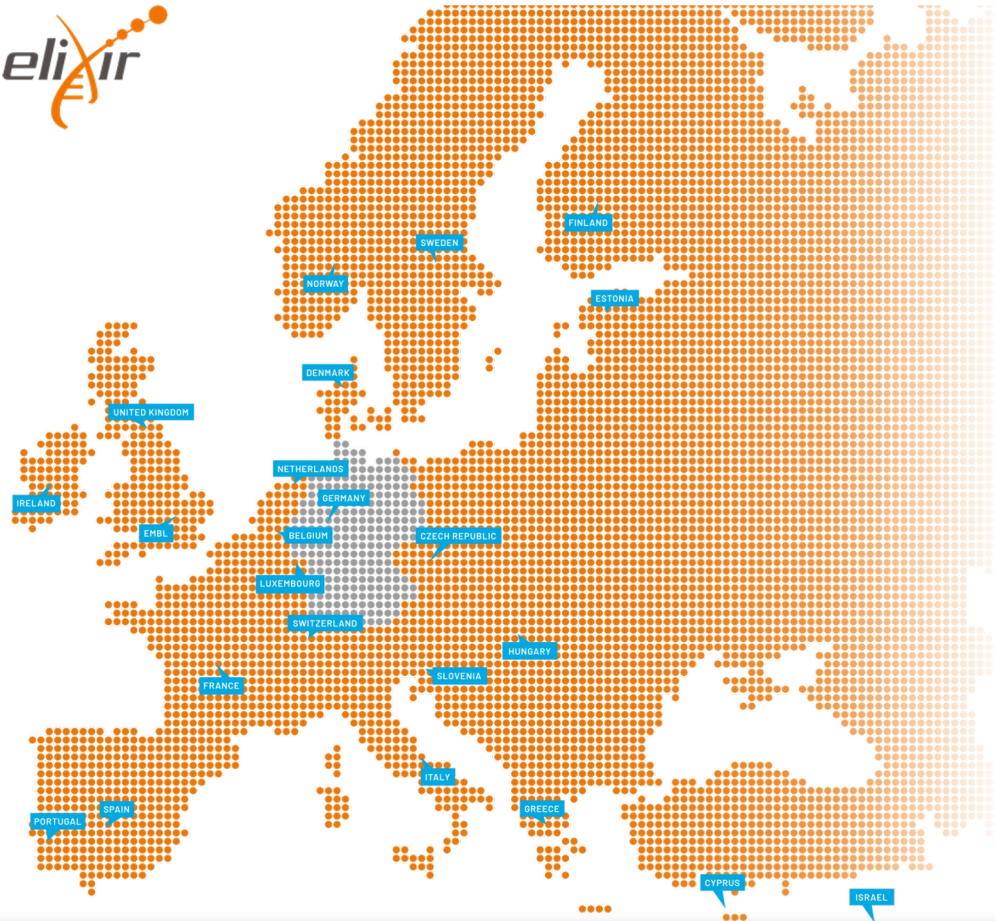


# A Core de.NBI Service: The Federated de.NBI Cloud





# European Integration of de.NBI: ELIXIR-DE



- **ELIXIR** is an intergovernmental organization (ESFRI) and brings together life science resources from across Europe, EoI to become EOSC node
- The ELIXIR consortium consists of **21** member states + EMBL + **3** observers (status 2024)
- **ELIXIR Germany** is a national Node of the European ELIXIR infrastructure since 2016
- The node is operated by the German Network for Bioinformatics Infrastructure (**de.NBI**)



Participating German institutes

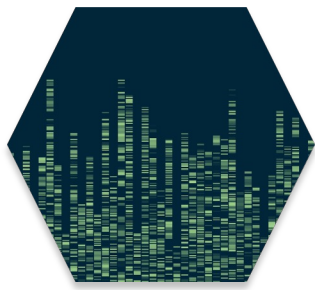


Tools & Services



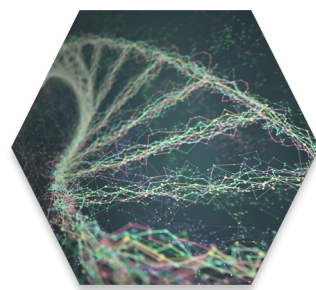
ELIXIR Core Data Resources

# Thematic EOSC Node Perspective for de.NBI & ELIXIR-DE



## Interdisciplinary

Bioinformatics,  
Data & Life  
Sciences,  
AI, Medicine



## User Centric

Training,  
Hackathons,  
Helpdesk,  
Knowledge  
Transfer



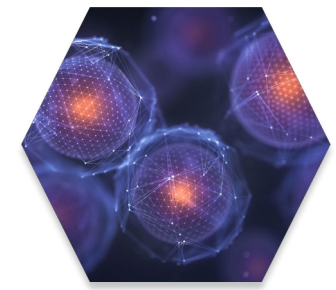
## Interconnected

National and  
European:  
NFDI  
ELIXIR  
EOSC



## FAIR

FAIR Principles  
at the core of  
our >130 Tools  
& Services +  
Quality Criteria



## Ready

TRL 7-9  
Services  
available for  
integration