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ACDH-CH / CLARIAH-AT / DHA
CLARIN / DARIAH / SSHOC / EOSC

Social Sciences and Humanities Research Infrastructures in Switzerland, Bern, 2023-01-18

Matej Durco @ACDH-CH OEAW, Wien

ACDH-CH – AUSTRIAN CENTRE FOR DIGITAL HUMANITIES AND CULTURAL HERITAGE

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- ACDH-CH
- Austrian DH landscape
  - CLARIAH-AT / DHA / DiTAH
- Research Infrastructures
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ACDH-CH

- Founded 2015, concepts since 2013
  - on the backdrop of the research infrastructures CLARIN and DARIAH – part of the DNA since conception
- Mission: “fostering the use of digital methods and tools in the humanities research in Austria” by
  - building up digital infrastructures
  - developing technical tools and services
  - hosting and publishing digital data
  - intensifying knowledge transfer

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ACDH-CH - structure

- Rapid growth (from 12 in 2015 to 130 in 2022)
  => series of reorganisations
- ~80 projects running at the moment
- Since 2020 + “Cultural Heritage”
- As of 2023 five research units:
  - Linguistics
  - Literature and Text
  - Biographies
  - Musicology
  - DHRI – Digital Humanities Research & Infrastructure

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DHRI Unit

DHRI = Digital Humanities Research & Infrastructure

(prev. DSIE = Data, Services, Infrastructure & Education)

https://www.oeaw.ac.at/acdh/what-we-offer

Our services cover the whole lifecycle of a research project:

Before the project:
preliminary consulting and support in the project proposal stage

During the project:
data management including modelling, curation, processing and presentation as well as development of bespoke applications according to the project plan

After the project:
long-term preservation of project data, maintenance of the services and applications developed

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Austrian DH landscape

- CLARIAH-AT - https://clariah.at/
  - National consortium for the ERICs CLARIN and DARIAH
- DHA – digital-humanities.at
  - Community town-square
- go!digital – 4 calls for smaller innovation projects
- Cohesion projects funded by Ministry (HRSM)
  - DiTAH - https://www.ditah.at/ (2020-2024)
  - KONDE - https://www.digitale-edition.at/ (2015-2020)

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Digital Humanities Austria Strategy 2021+

https://gams.uni-graz.at/o:clariah.dha-strategie-2021

- Research infrastructures & networks
  - ESFRI Consortia
  - National DH Networking
  - GLAM Cooperation
  - Sustainable infrastructure
- Research data & repositories
  - Repository combine & Registries
  - Digital Sources & Research data
- Methods, services & tools
  - Development, Availability & Business Models
  - Method Mobility: beyond academia
- Education, Training & Knowledge Sharing
  - Co-operation DH Teaching
  - (Young) Staff and Student Training
  - DH Consultancy Group
  - Joint Virtual Helpdesk

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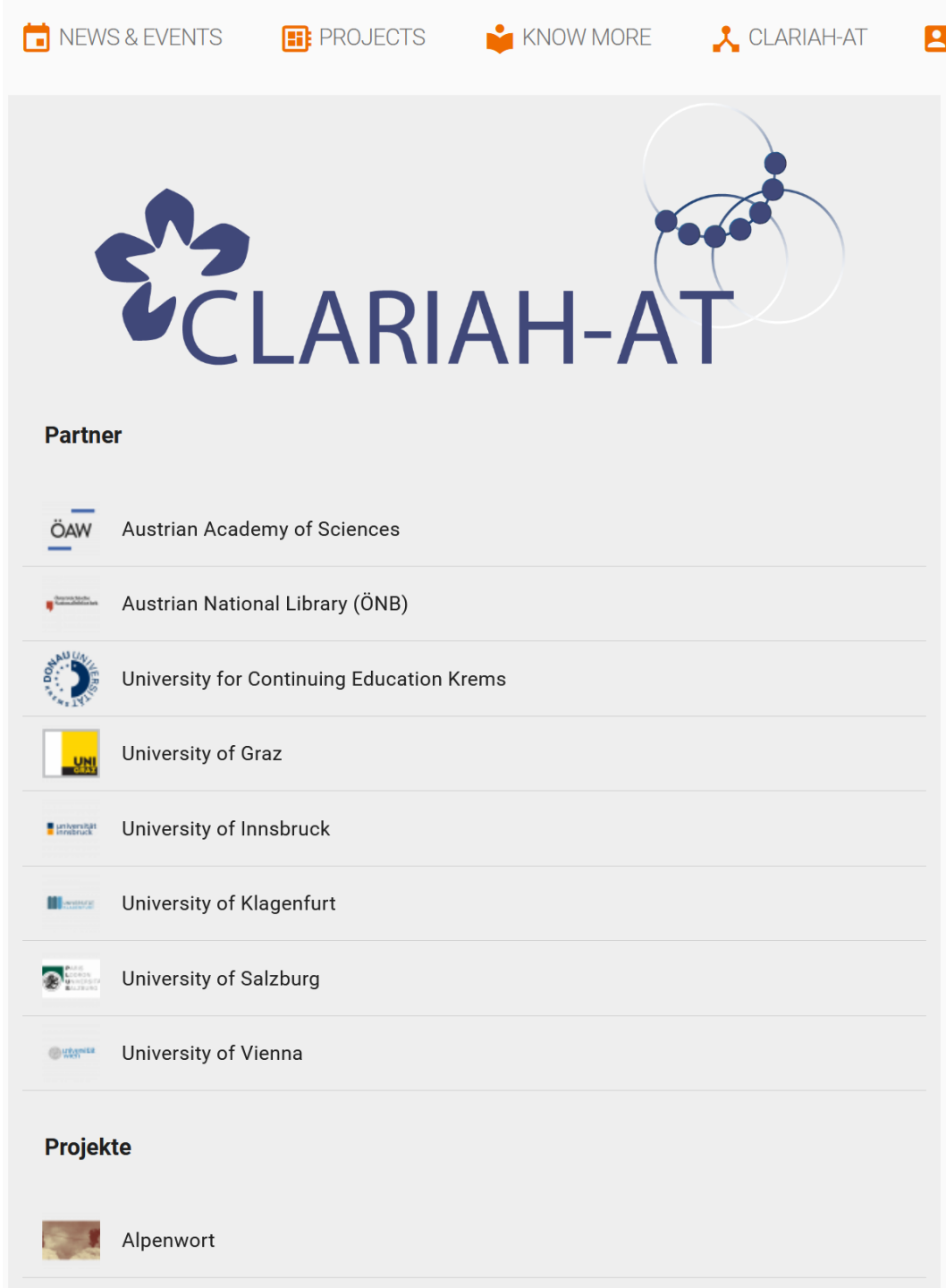
CLARIAH-AT

- https://clariah.at/
- 8 institutional partners
  - (consortium agreement since 2019)
- Projects
  - 30 in 3 go!digital calls (4th round just awarded)
  - 20 in CLARIAH-AT (another round just awarded)
- Working Groups (Along DHA strategy)
  - Research infrastructures and networks
  - Research data and repositories
  - Methods, services and tools
  - Education, training and knowledge sharing



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DiTAH

https://ditah.at/

- Digital Transformation in Austrian Humanities
- Partner – broad coverage of DHA landscape
- Work packages:
  - Infrastructure & Repositories
  - Tools & Methods
  - Knowledge transfer

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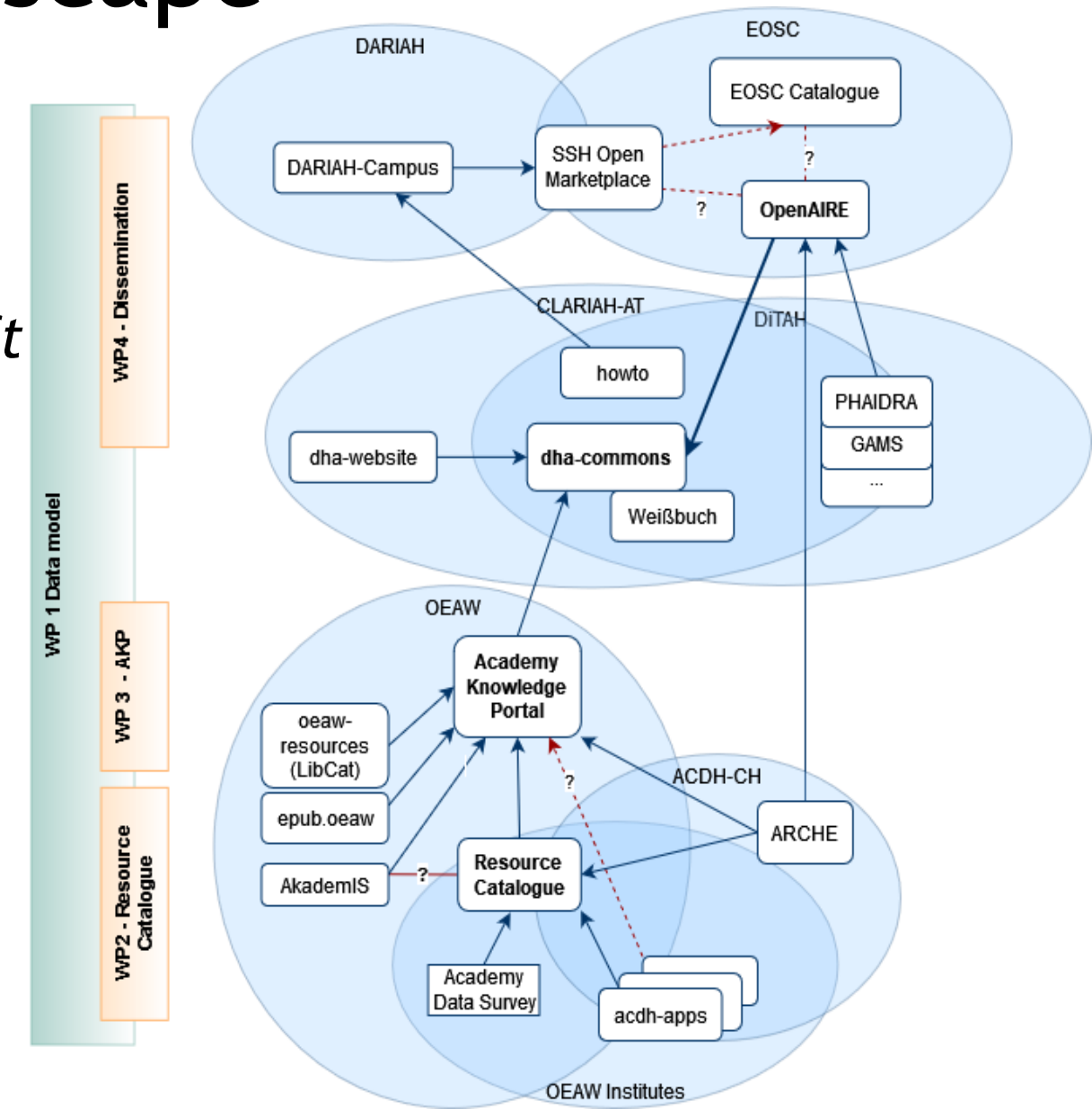
Repository Landscape

Project at OEAW, 2021-2023

„Konsolidierung und Harmonisierung der österreichweiten Repositorienlandschaft für geistes- und kulturwissenschaftliche Forschungsdaten“
[Consolidation and harmonisation of the Austrian repository landscape for humanities and cultural research data]



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Landscape topology

- Tightly intertwined network of actors
  - Whole spectrum of stakeholders
  - Varying levels of involvement
  - Mixed funding
- Dimensions / scopes
  - Institutional / national / international
  - Project / department / institution / discipline / community/RI / cluster / EOSC/ERA

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Research Infrastructures What are they (good for)?

"facilities that provide resources and services for research communities to conduct research and foster innovation." [EC]

- No humans mentioned => Networks of people / expertise

- complex relationship (bottom-up, top-down)
  - Fostering exchange and knowledge sharing
  - Consolidation, harmonization (standards, best practices)
  - Community representation in ERA-context
  - Provision of services

- Broker/Hub, Mothership

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Infrastructure Services

- Metadata catalogues
  - CLARIN VLO
  - SSH Open Marketplace
- Repositories
  - CLARIN Centres
  - ARCHE
- Registries
  - Vocabs - Vocabulary Repository
  - DH Course Registry
  - DARIAH-Campus – platform for learning resources

ARCHE

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Wider (EU) context

- Research Infrastructures: CLARIN, DARIAH
- SSHOC - SSH Open Cloud -> Cluster sshoc.eu
- EOSC - European Open Science Cloud - eosc-portal.eu
- OpenAIRE - openaire.eu
- Europeana - europeana.eu

Project:

SSHOC

social sciences & humanities open cloud

Horizon 2020
European Union Funding
for Research & Innovation

Type of action & funding:

Research and Innovation action
(INFRAEOSC-04-2018)

Partners: 45

(20 beneficiaries + 25 LTPs)

SSH ESFRI Landmarks and Projects
& international SSH data infrastructures

Project budget:

€ 14,455,594.08

Duration: 40 months

(January 2019 – 30 April 2022)

Project website:

www.SSHopencloud.eu

Objectives:

- creating the social sciences and humanities **(SSH)** part of European Open Science Cloud **(EOSC)**
- maximising **re-use** through **Open Science** and **FAIR** principles (standards, common catalogue, access control, semantic techniques, training)
- interconnecting existing and new infrastructures (clustered cloud infrastructure)
- establishing appropriate **governance model** for SSH-EOSC

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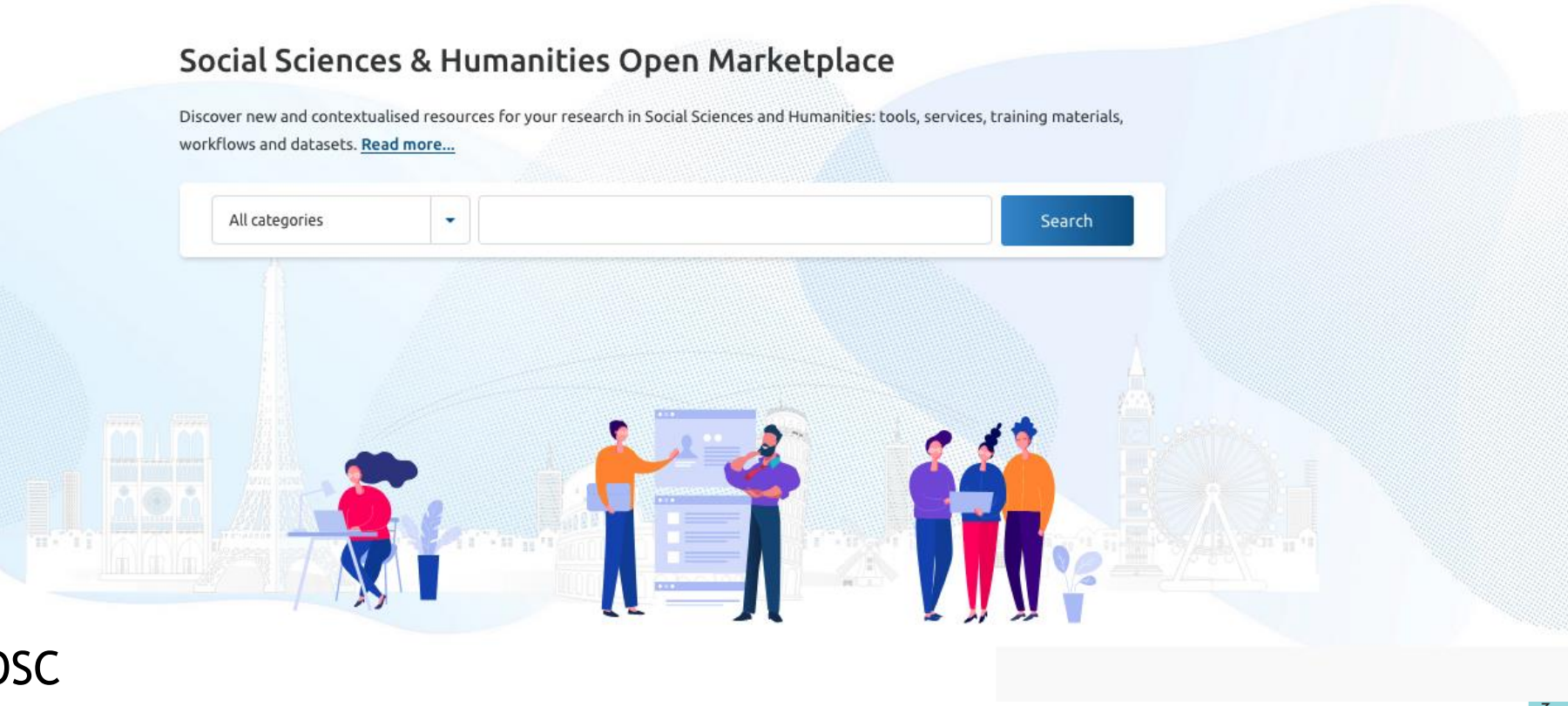
SSH Open Marketplace

- Discovery portal for SSH resources
  - Tools & services
  - Training materials
  - Workflows
  - Datasets
  - Publications
- 3 guiding principles
  - Contextualisation
  - Curation
  - Community
- An SSH entry point to EOSC

https://marketplace.sshopencloud.eu/



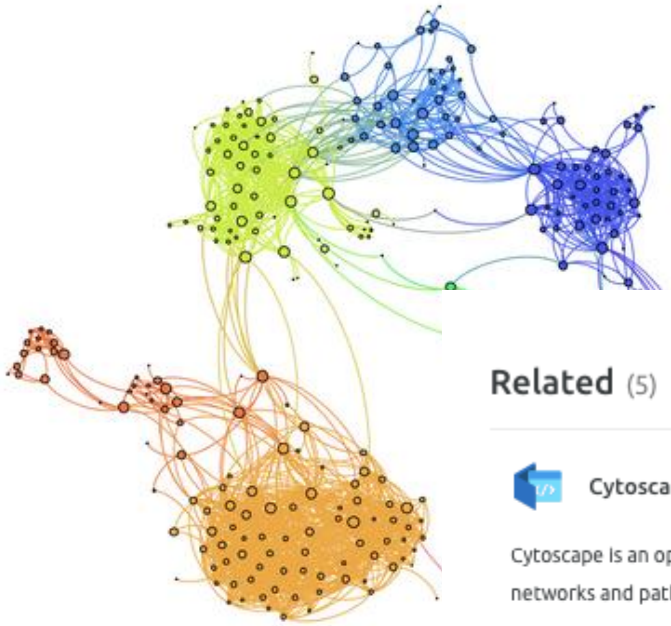
The SSH Open Marketplace is maintained and will be further developed by three European Research Infrastructures - DARIAH, CLARIN and CESSDA - and their national partners. It was developed as part of the "Social Sciences and Humanities Open Cloud" SSHOC project, European Union's Horizon 2020 project call H2020-INFRAEOSC-04-2018, grant agreement #823782.

Gephi

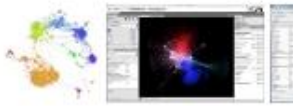
Go to Tool or service

Gephi is the leading visualization and exploration software for all kinds of graphs and networks.

Gephi is open-source and free. Runs on Windows, Mac OS X and Linux.



Jardouin - Own work CC BY-



Details

ACCESS

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Terms Of Use: Free

CATEGORISATION

Activity: Capturing, Modeling, Network Analysis, Spatial Analysis, Analyzing, Discovering, Visual Analysis, Content Analysis, Relational Analysis

Keyword: Models, Visualization, 2000s, visualization, graphs, french, R, faceted browser, graph streaming, recommended

Language: English, Czech, Portuguese, Chinese

Mode of use: Local application

Related (5)

Cytoscape

Cytoscape is an open-source software platform for visualizing data networks and pathways. Though designed for...

Read more

Easy Linavis (ezlinavis)

Easy Linavis (ezlinavis) generates CSV files with network data from simple segmentations of literary texts that you...

Read more

Exploring and Analyzing Network Data with Python

This lesson introduces network metrics and how to draw conclusions from them when working with humanities data. You...

Read more

Visual Network Analysis with Gephi Workshop

Gephi is a free and open source network analysis software used, among other things, in social network analysis. This...

Read more

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EOSC – European Open Science Cloud

"environment for hosting and processing research data to support EU science" [about-eosc]

"Web of FAIR Data and services" *[about-eosc]*

- Series of preparatory build-up projects (construction phase)

  EOSC-pilot, EOSC-hub, EOSC-Enhance, EOSC-secretariat, EOSC Future

- System of systems, central "core services" especially:
  - EOSC Portal / Catalogue / Marketplace - eosc-portal.eu

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EOSC Portal / EOSC Catalogue

EUROPEAN OPEN SCIENCE CLOUD

About Services & Resources Help Policy Use Cases Media Providers Hub Using the Portal

EOSC Portal - A gateway to information and resources in EOSC

Browse by research activity | Browse by scientific domain

Discover research outputs
Find datasets, scientific publications, software...

Publish research outputs
Store, backup, archive your data, publications, software

Process and analyse
Verify, organise, transform, integrate, and extact data in an appropriate output format software service

Access computing and storage resources
Find HPC, IT centres for science, cloud computing, cloud container computing, online storage

Find instruments & equipment
Find research instruments and scientific equipment

Access training material
Find lessons, courses, videos

Access research infrastructures
Find environments delivered by scientific clusters or RIs

Manage research data
Find robust, feature-rich and user-friendly services to

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Search in catalogs Al

ALL CATALOGS | PUBLICATIONS | DATA | SOFTWARE | SERVICES | DATA SOUR

Filters

Research step clear all

- Discover Research Outputs (3339563)
- Access Training Material (98)
- Process and Analyse (91)
- Manage Research Data (49)
- Access Computing and Storage Resources (33)
- Access Research Infrastructures (27)
- Publish Research Outputs (16)
- Find Instruments & Equipment (1)

Horizontal service clear all

- no (298)
- yes (146)

3339966 search results in All catalogs

Service | Ordered Required | English

EGI Cloud Compute

Ordered required | 22 November 2018 | Type: service

Scientific domain: Generic>Generic Generic
Organisation: EGI Foundation

pre-configured virtual appliances | virtual machines on-demand

Cloud Compute gives you the ability to deploy and scale virtual machines on-dema computational resources in a secure and isolated environment with standard API ac overhead of managing physical servers. Cloud Comp...

Data Source | Horizontal Service | Ordered Required | English

B2SAFE

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Recommendations

- Construct bottom-up – demand driven
  - Practical use cases
  - Invite innovative proof-of-concept projects
- Foster collaboration on practical topics of common interest nationally and internationally
  - Dissemination & Discovery of Resources (Register resources to EOSC Resource Catalogue)
  - Interoperability of Data and Tools
  - Service provisioning
  - Policies & Guidelines, best practices & Training
- Bring people together

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Thank you. Questions?

https://www.oeaw.ac.at/acdh

https://clariah.at

https://digital-humanities.at

https://www.ditah.at/

https://clarin.eu

https://dariah.eu

https://sshopencloud.eu/

Contact: matej.durco@oeaw.ac.at