

The European Open Science Cloud - the Austrian experience

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Padova, 17. September 2018

EOSC-The European effort



“The EOSC will allow for universal access to data and a new level playing field for EU researchers CERN, EMBL, ELIXIR, etc. Institutional repository Member State Infrastructure New provider/ service...”

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- Communication from the Commission to the European Parliament, the Council, the European Economic and Social Committee of the Regions- European Cloud Initiative - Building a competitive data and knowledge economy in Europe, COM(2016) 178 final
- H2020 Programme Guidelines on FAIR Data Management in Horizon 2020 Version 3.0. 26 July 2016
- EOSC Declaration Brussels, 10 July 2017
- Commission Staff Working Document, Implementation Roadmap for the European Open Science Cloud, Brussels, 14.3.2018, SWD(2018) 83 final
- Council Conclusion EOSC, Brussels 29. Mai 2018, 9291/18
- Commission Decision of 27.8.2018, Setting up an Expert Group- Executive Board of EOSC

The Austrian (Use)-Case

“Austrian Open Science Cloud-AOSC”

Austrian Open Science Support Group (AOSSG)

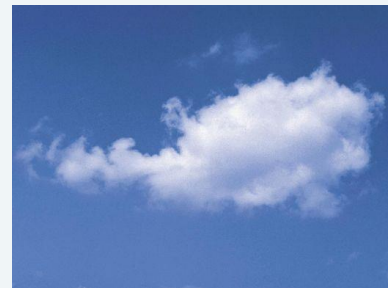
AOSSG was founded at the University of Vienna in 2016, and among other it produced a) the „USE CASE AUSTRIA“ (participation to series of event and conferences, illustrating the research infrastructures in Austria), b) AOSSG produced an „Austria Country Profile“, and c) worked as incubator for the creation of IOSSG (Italian Open Science Support Group/ Members: Universities of Bologna, Parma, Milano, Ca’Foscari Venezia, Politecnico Torino, Trento)

Research Data Alliance Austria

In November 2017 the workshop From Planning to Action. Towards the Establishment of an Austrian Research Infrastructure took place, jointly organized by TU Wien and the University of Vienna in cooperation with RDA Europe. It was the first workshop in Austria in a series of European-wide RDA events in preparation for the establishment of more formal RDA structures in Austria. The documentation can be found at <http://phaidra.univie.ac.at/o:584416>.

FAIR principles

Major issue: the implementation of the FAIR principles and the improvement of the related services in Austria by implementation of a FAIR node.



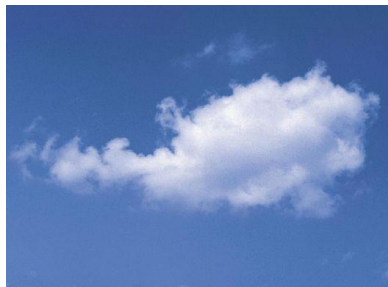
Research Infrastructures and huge Austrian transversal projects

TU Wien
TU Graz
Know-Center Graz
Academy of Fine Arts Vienna
ACONet (Austrian Academic Computer Network)
AUSSDA - The Austrian Social Science Data Archive
Climate Change Center Austria (CCCA)
Earth Observation Data Center (EODC)
IST Austria
Know-Center Graz
Open Knowledge Maps
TU Wien
University of Graz
University of Innsbruck
University of Salzburg
University of Vienna
Vorarlberger Landesbibliothek
ZAMG

e-Infrastructures Austria and e-Infrastructures Austria Plus
Open Education Austria
Austrian Transition to Open Access (AT₂OA)
Data Market Austria
Portfolio Showroom
BBMRI

The Austrian Use-case

Complementary (Infra-) Structures:



Cross-disciplinary		
Austrian State Archives	Data centre	http://www.oesta.gv.at/
BRZ - Austrian Federal Computing Center	Data centre	https://en.brz.gv.at/
IIASA – International Institute for Applied Systems Analysis	Repository	http://pure.iiasa.ac.at/
JKU ePub (University Library Linz)	Repository	http://epub.jku.at/
Phaidra - Permanent Hosting, Archiving and Indexing of Digital Resources and Assets (Univ. of Vienna)	Repository	https://phaidra.univie.ac.at/
repositUm (TU Wien)	Repository	http://repositum.tuwien.ac.at/
Volare	Repository	https://pid.volare.vorarlberg.at/
IST PubRep (Institute of Science and Technology)	Repository	https://repository.ist.ac.at/
Physical Sciences & Engineering		
Architektur-Informatik	Repository	http://architektur-informatik.scix.net/
CCCA - Climate Change Center Austria	Data centre	https://www.ccca.ac.at/
EODC - Earth Observation Data Centre	Data centre	https://www.eodc.eu/
Life Sciences		
BBMRI ERIC	Data centre	http://www.bbmri-eric.eu/
LBI-HTA – Ludwig Boltzmann Institute of Health Technology Assessment	Repository	http://eprints.hta.lbg.ac.at/
Social Sciences & Humanities		
Institutional Repository of the University of Applied Arts	Repository	https://phaidra.bibliothek.uni-ak.ac.at/
AUSSDA – Austrian Social Science Data Archive	Data Centre	https://aussda.at/en/
ePUBWU (Vienna University of Economics and Business)	Repository	http://epub.wu.ac.at/

The Governance layer (Governmental and legal Framework)

- APPLICABLE LEGAL FRAMEWORKS (e.g. GDPR, copyright rules, Data Security and Cybercrime, dispute resolution and redress mechanisms, e-commerce directive)
- LEGAL PROVISIONS RELEVANT TO THE TOPICS OF OPEN ACCESS TO PUBLICATIONS AND OF RESEARCH DATA MANAGEMENT, SHARING AND REUSE
- NATIONAL AND REGIONAL POLICIES AND GUIDELINES RELATED TO OPEN SCIENCE
- RESEARCH DATA RELATED POLICIES AND REQUIREMENTS

Ministries responsible: Austrian Ministry for Education, Science and Research; Transport, Innovation and Technology as well as Digital and Economic affairs.

The Service layer

- Services to find, access, store, re-use and analyse
- Access to relevant information (e.g. status of EOSC, list of infrastructures, policy-related information, compliance framework)

The Infrastructure layer

- OPEN SCIENCE RELATED INFRASTRUCTURE
- MEMBERSHIPS (ESFRI, NATIONAL RESEARCH INFRASTRUCTURES, LIBRARIES etc)



FAIR principles

EOSC and Citizen-Science

"Third mission and Citizen science, new roles for Research Libraries on the way to Open Science"

Research data related policies and requirements play an important role in connection to citizen-science.

According to Austria's largest Funding agency for basic research (the FWF) Open Access Policy, all research data, contextual material and tools, which are collected and/or analysed using FWF funds have to be made openly accessible when it is legally and ethically possible. This postulation is part of the Open Access Policy for scientific publications and mainly concerns underlying data. However, it is still a recommendation at this stage and not yet a mandate.

As an Austrian Example, there is a new initiative, the Citizen Science Network Austria founded in 2017. Coordinated by the University of Natural Resources and Life Science (BOKU) in Vienna, the network aims to support citizen science projects and initiatives in Austria and foster their quality.

For details go and see:



Austrian Presidency of the Council of the European Union:

Oktober event

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The European Open Science Cloud

Austria takes initiative

Presidency event
30th October 2018
Kleiner Festsaal,
University of Vienna

www.univie.ac.at/eosc

This event is proposed under the title “EOSC – The Use Case Austria. Presentation of a Reference-Model for the Establishment of Governance, Services and Data-Architectures within the European Open Science Cloud” and is scheduled for 30th October 2018, 9:30-17:00. The programme will be aligned with the following 3 components of the Summit:

- 1) Governance/funding
- 2) Data culture and FAIR data
- 3) Architecture/services

Regarding the governance layer, funders’ mandates should be considered. Data culture is also seen as a key aspect. Once the Cloud is setup, it must be sure that data is available. This is also an area that can be shaped by funders. The service layer on the other hand is essential because if the service layer is good, the infrastructure will be used. The learnings and challenges should be discussed. Findings can consequently be carried into The EOSC Stakeholder Forum, to be held in Vienna three weeks/one month later.

November Event



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The European Open Science Cloud

Launch Event

EOSC

23 November 2018,
10:00 – 13:30 hrs
University of Vienna
Library, main reading room

This event is proposed under the title "EOSC – Launch of the EOSC Governance Structure". Presentation of a Governance Structure to start the EOSC", and is scheduled for November 2018,

Key aspect will be the governance layer of EOSC. Main subject will be a clear governance framework for the EOSC initiative that makes it predictable: a multi-level, multi-stakeholder governance with clear institutional, executive and advisory roles that empowers the scientific community and evolves with time.

Another aspect will be the services needed to enable the integration of and access to the data resources to be federated in the EOSC.

Ringrazio dell'attenzione!
Ci vediamo a Vienna!

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