



-from a regional perspective

an Austrian view

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EOSC-the vision

22 Jan 2020

EC President Ursula von der Leyen talks EOSC in Davos



"We are creating a European Open Science Cloud now. It is a trusted space for researchers to store their data and to access data from researchers from all other disciplines. We will create a pool of interlinked information, a 'web of research data'. Every researcher will be able to better use not only their own data, but also those of others. They will thus come to new insights, new findings and new solutions."

<https://eosc-portal.eu/news/ec-president-ursula-von-der-leyen-talks-eosc-davos>

EOSC-a definition

ABI Technik 2019; 39(2): 130–141

DE GRUYTER

Fachbeitrag

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Architectures of Knowledge: The European Open Science Cloud

<http://doi.org/10.1515/abitech-2019-2006>

Abstract: In November 2018, the European Commission launched the European Open Science Cloud (EOSC) in Vienna. The EOSC envisions establishing a European data infrastructure, integrating high-capacity cloud solutions, eventually widening the scope of these services to include the public sector and the industry. Understanding the EOSC structure is a first step in recognizing the opportunities offered by the newly launched EOSC. This article offers some reflections for a better understanding of the realization of the EOSC at the present stage, including currently ongoing developments.¹

Keywords: European Open Science Cloud, EOSC, Digital Single Market

1 European Open Science Cloud (EOSC): a process, not a project

In November 2018, under the Austrian Presidency, the European Commission launched the European Open Science Cloud at the University of Vienna.²

The EOSC is not a new infrastructure or software package, it is a process of making research data in Europe accessible to all researchers under the same terms of use and distribution. The initiative aims to push Europe towards a culture of open research data that are detectable, accessible, interoperable and reusable (FAIR), hence allowing all European researchers to embark on a journey towards data-driven science.

How can we imagine the functioning of EOSC?

Since we wrote an article for the Austrian NREN ACOnet, I would like to use a metaphor, aligned to one of the main and successful services provided for researchers: eduroam. This service is well-known, ubiquitous, transparent, free at point of use, is extremely useful, has rules of participation, has system architecture including security, provides a specific (micro-)service, deals with user data and has a governance.



from a perspective of...



Researchers

- is Well-known
- is Ubiquitous
- is Transparent
- is Free at point of use
- is Extremely useful

EOSC

- has rules of participation
- has System architecture including security
- provides a specific (micro-)service
- deals with user data
- has governance



EOSC -the history

The history: EOSC – Not a cloud made in Brussels
EOSC launch at the University of Vienna

What started, at the European level, with a Council conclusion on open, data-intensive and networked research as a driver for faster and wider information in 2015, followed by a Council conclusion on the transition towards an open science system in 2016, supported by the European Parliament by a resolution on the European Cloud initiative, led into a Council conclusion on EOSC in 2018, and in November 2018 finally resulted in the official launch of the European Open Science Cloud and its governance structure by the acclamation of the Vienna Declaration.

November 2018 – Launch of the EOOSC

 EUScience&Innovation and 2 others liked
Jean-Eric Paquet @JEPaquetEU · 7h
Can't imagine a greater place to launch the European Open Science cloud! Thank you to the Austrian Presidency and to the university of Vienna for hosting us. We are making science history connecting our knowledge and wisdom and bringing it into the future.
JEP



The Vienna Declaration on the European Open Science Cloud

The Vienna Declaration on the European Open Science Cloud

Vienna, 23 November 2018

We, Ministers, delegates and other participants attending the launch event of the European Open Science Cloud (EOSC):

- 1 Recall** the challenges of data driven research in pursuing excellent science as stated in the "EOSC Declaration" signed in Brussels on 10 July 2017.
- 2 Reaffirm** the potential of the European Open Science Cloud to transform the research landscape in Europe. Confirm that the vision of the European Open Science Cloud is that of a research data commons, inclusive of all disciplines and Member States, sustainable in the long-term.
- 3 Recognise** that the implementation of the European Open Science Cloud is a process, not a project, by its nature iterative and based on constant learning and mutual alignment. Highlight the need for continuous dialogue to build trust and consensus among scientists, researchers, funders, users and service providers.
- 4 Highlight** that Europe is well placed to take a global leadership position in the development and application of cloud services for Science. Reaffirm that the European Open Science Cloud will be both European and open to the world, reaching out over time to relevant global research partners.
- 5 Recall** that the Council - in its conclusions of 29 May 2018 - welcomed the implementation roadmap and the federated model for the European Open Science Cloud. It invited the Commission and all Member States to set up a common governance framework that ensures participation of stakeholders from the research community based on principles of transparency, openness and inclusiveness and an effective involvement of all Member States.

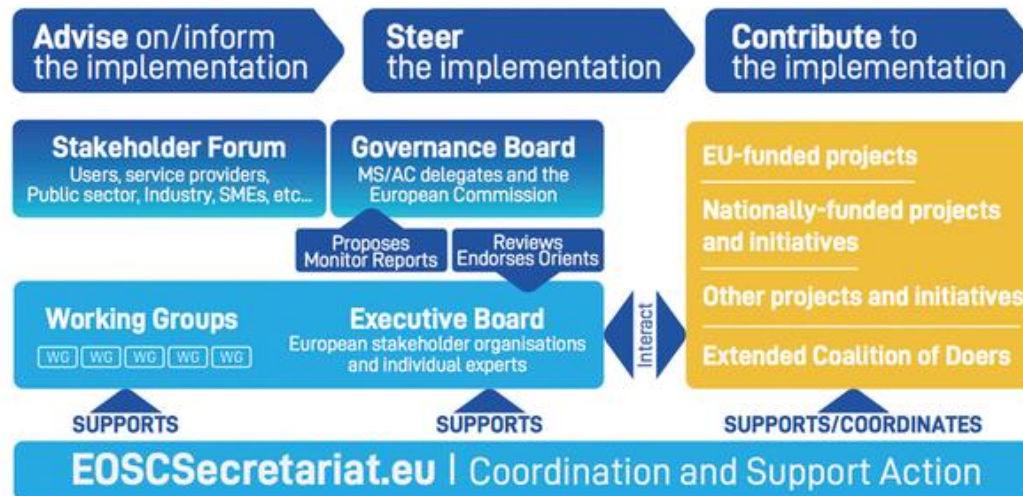
Contact

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-----DOWNLOAD-----
The Vienna Declaration
on the European Open
Science Cloud

EOSC governance 2018-2020

The launch event marked the start of the first phase of an EOSC Governance within the "Horizon 2020" framework programme. Within a period of two years, the involved boards developed a model and legal framework in consultation with various stakeholders. The work resulted in a sustainable partnership model, clear rules of participation and funding schemes. The current tasks include steering the initial implementation, involving relevant stakeholders from research and infrastructures and enabling the transition to the second stage, EOSC post 2020.



Developing EOSC

A view on an ongoing process, as per 31 January 2020

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LINK: https://www.aco.net/developing_eosc.html?L=1

The Austrian contribution to EOSC

EOSC building processes – The Austrian involvement

Currently several Austrian representatives are directly involved in initiatives intended to shape the EOSC. The most relevant are:

TU Wien is actively involved in the H2020 Project EOSC Secretariat. Main tasks are the monitoring of the co-creation processes (WP2)** and the Stakeholders Engagement activities within WP3. Focus is the so called "researchers engagement" which comprises not only the researchers but also universities, university associations and funding bodies. TU Wien is represented in the project through a collaboration within the Faculty of Informatics, the Center for Research Data Management and TU Wien Bibliothek. **FAIR Office Austria** will help aligning tools and services for research data management with the FAIR principles and will provide their services to all stakeholders.

The Austrian contribution to EOSC

University of Vienna – H2020 Project EOSC Pillar: AUSSDA (Austrian Social Science Data Archive), based at Vienna University Library / University of Vienna, is partner in this project. Due to mutual agreements, there are some close links between activities of **Vienna University Library** and **TU Wien Bibliothek** in the fulfillment of some tasks in WP₃ of EOSC Pillar. EOSC Pillar coordinates national open science efforts across Austria, Belgium, Germany, France and Italy, and ensures their contribution and readiness for the implementation of the EOSC. The project partners are from the following EU Member States: Austria, Belgium, Germany, France and Italy.

Project SSHOC: Austrian partner is the Austrian Social Science Data Archive (**AUSSDA**) based at **Vienna University Library / University of Vienna**. The project SSHOC aims to provide a full-fledged Social Sciences and Humanities Open Cloud (SSHOC) where data, tools, and training are available and accessible for users of SSH data.

Projects supporting EOSC



eInfraCentral

eInfraCentral is the European catalogue of e-Infrastructure services and resources. For users, this standardised registry makes it easier to discover and access services and resources. For service providers, this quality oriented registry enables publishing of their services to meet researchers' expectations.



Setup and management of the EOSC Secretariat
supporting the EOSC Governance

EOSC Secretariat

EOSC Secretariat delivers 360° support to the EOSC Governance while working openly and inclusively with communities to co-create an all-encompassing European Open Science Cloud.



EOSC-hub

EOSC-hub brings together multiple service providers to create the Hub: a single contact point for European researchers and innovators to discover, access, use and reuse a broad spectrum of resources for advanced data-driven research.

to find related Austrian research infrastructures see our database:
<https://forschungsinfrastruktur.bmbwf.gv.at/en>

Projects supporting EOSC



EOSC-2021+

Governance of the co-programmed Partnership



- A contractual agreement (MoU) will be signed between the EOSC Association (currently being set up) and the Commission.
- The Commission and the EOSC Association will establish a Partnership Board as the main mechanism for dialogue in order to reach the objectives of the Partnership.
- A Steering Board (composed of representatives of Member States and Associated Countries) will be set up outside of the EOSC Association to provide advice at policy and strategy level.



EUROPEAN OPEN SCIENCE CLOUD



**BMBWF
(Ministry)**

**AT Mandated Organisation
ACONET (the Austrian NREN)**

EOSC Support Office AT

STAKEHOLDERS

EOSC - AUSTRIAN STAKEHOLDERS

BMBWF

Further AT Ministries

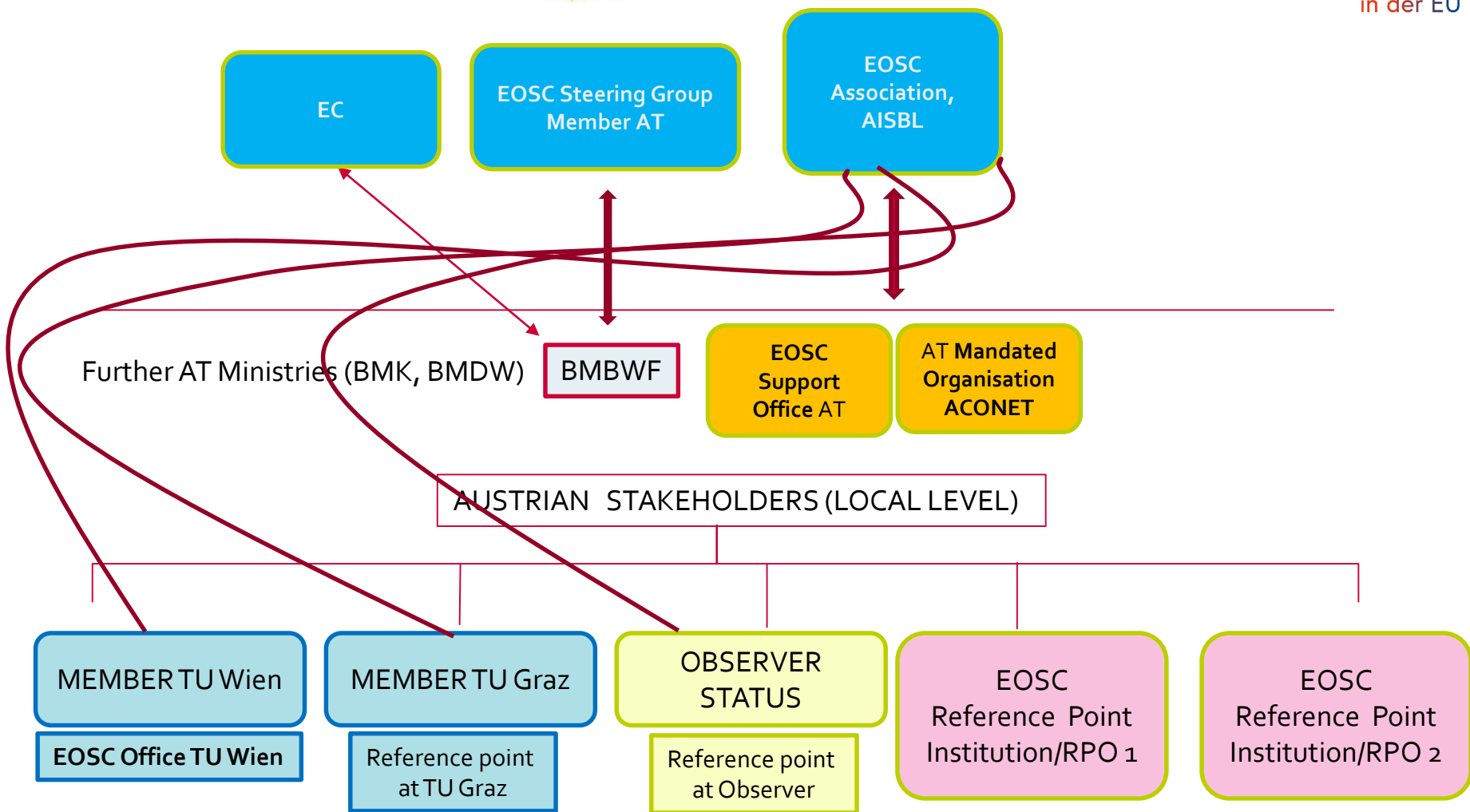
AT Mandated Organisation
ACONET (MEMBER OF AISBL)

EOSC Support Office AT

MEMBERs of AISBL

OBSERVERs at AISBL

Members of Austrian Mandated Organisation



Austrian Stakeholders-Working Instruments



EOSC-from a regional perspective

EOSC WIKI

Terms of use of EOSCWIKI

MoU

Description of
rights and duties

The Austrian EOSC Café

EOSC Café: The EOSC Café is coordinated by the **BMBWF** and was created in the function of an Austrian platform for the exchange of information. It consists of representatives of the Austrian Federal Ministries responsible for science, research and innovation as well as digitalization, various stakeholders from Austrian universities, research infrastructures and funding agencies and of course the Austrian representatives of the EOSC Governance Board, Executive Board, the EOSC Secretariat and the Research Data Alliance (RDA-Austria).

The dedicated aim of this group is to communicate and discuss the ongoing process of EOSC implementation by fostering the active participation of Austrian researchers and institutions.

Thank you for your attention!

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Research, Austria
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