

Key achievements of eInfraCentral

Final OpenRiskNet Workshop

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23 October 2019
Amsterdam



HELLENIC REPUBLIC
National and Kapodistrian
University of Athens



Welcome!

- Coordination and support action funded by Horizon 2020 (call: INFRASUPP-2016-1)
- January 2017 – June 2019 (30 months)
- 9 project partners, incl. 5 e-Infras
- Effort: 162PMs (planned) and 179PMs (actual)
- Budget: €1,499,037.50



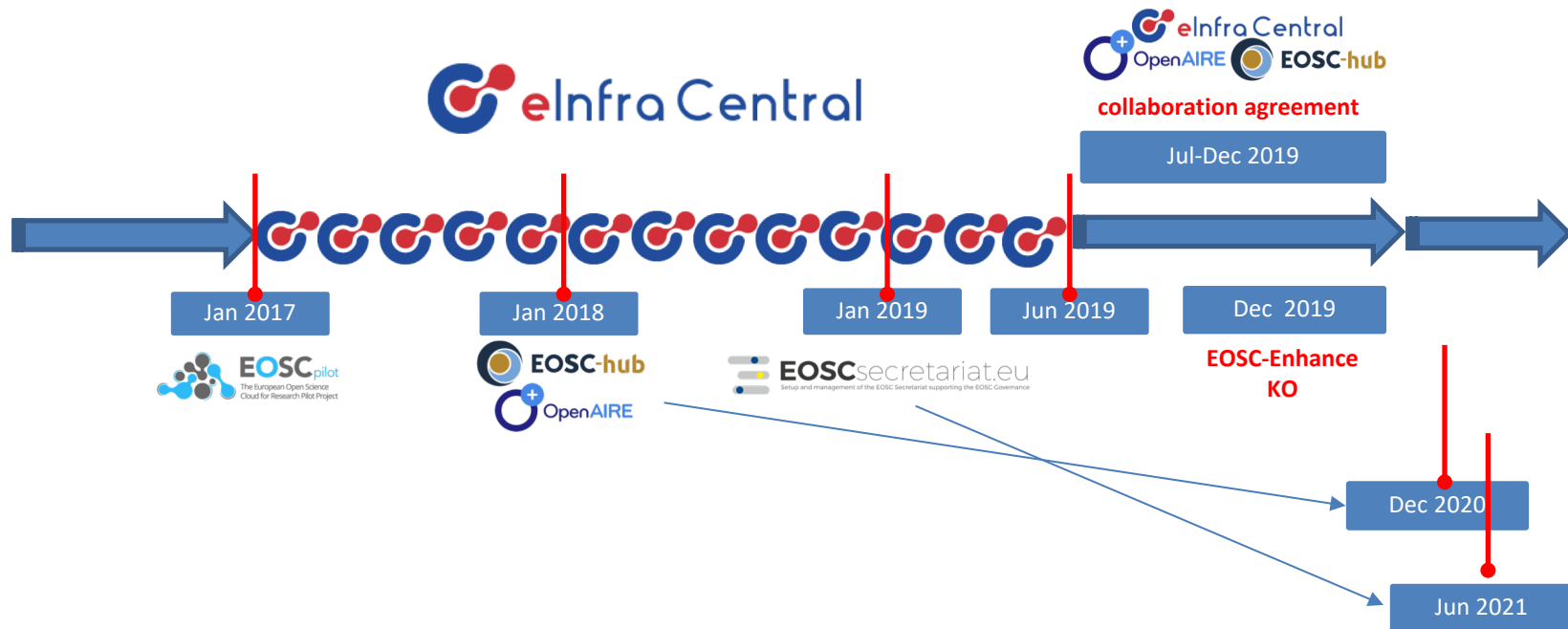
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Leibniz
Universität
Hannover



Timeline






Our mission



Ensure, that by 2020, a broader and more varied set of users discovers and accesses the existing and emerging Services and Resources for Research

Core Objectives and Key Results

	Structure an open and guided discussion to consensually define a common catalogue for their services and resources	Reached consensus initially with 5 key e-Infras on standard description of services and resources and APIs. Now include 24 SPs.
	Develop a web platform to act as the gateway for researchers to browse the catalogue of services and solve the “last mile” problem	Developed a production view of the EOSC Catalogue with 250+ services and resources
	Capture and draw policy and sustainability lessons for the development of the European e-Science marketplace	Lessons from building the catalogue and work with SPs fed into the EOSC Portal development, CatRIS and being further developed and communicated in 2019

Key achievement

<https://catalogue.eosc-portal.eu>

Access to a Catalogue of 167 catalogue entries which lead to:
254 Services (Networking, Compute, Storage, Security, Training, etc.)

 34,651,234 publications

 4,412,835 Data(sets)

 141,171 Software and Applications

 3,113,158 Other Research Products

(NB: September data)

Key result 1: SDT v2.00



Result 1: The Scientific Resources Description Template (SDT)

A combined effort;
now also spanning
into physical research
infrastructures

FOR COMMENT



**EUROPEAN OPEN
SCIENCE CLOUD**

Service/Resource
Description Templates & Classifications
for the EOSC

V2.00
1 August 2019





Funded by
the European Union

Contributors

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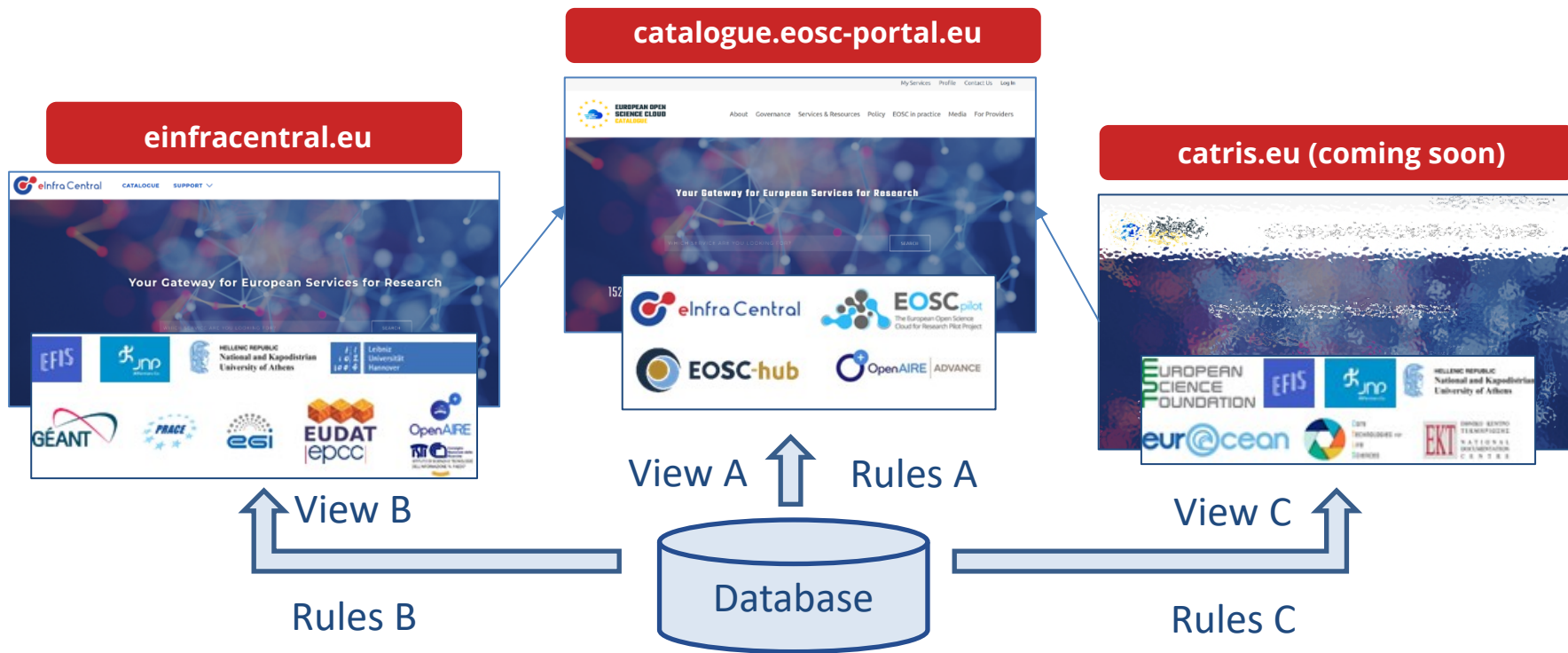
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Key result 2: EOSC Catalogue



Key result 3: EOSC Portal



The European Open Science Cloud (EOSC)

Offers 1.7 million European researchers and 70 million professionals in science and technology a virtual environment with open and seamless services for storage, management, analysis and re-use of research data, across borders and scientific disciplines.

[More about EOSC](#)

The EOSC portal has been jointly developed and maintained by the eInfraCentral, EOSC-hub, EOSCpilot and OpenAIRE-Advance projects funded by the European Union's Horizon 2020 research and innovation programme with contribution of the European Commission.

OpenRiskNet on EOSC Portal



[About](#) [Governance](#) [Services & Resources](#) [Policy](#) [EOSC in practice](#) [Media](#) [For Providers](#)

OpenRiskNet e-infrastructure

★★★★★ 5 (1)

"Risk assessment virtual reference environment for data integration, and modelling"

OpenRiskNet e-infrastructure supports the harmonisation and improved integration of data and software tools in the area of predictive toxicology and risk assessment. [View more...](#)

♥ 1 ☐ ADD TO COMPARE

Lazar

★★

"Toxicity predictions"

Lazar (Lazy Structure-Activity Relationships) takes a chemical structure as input and provides predictions for a variety of toxic properties. Lazar uses an automated approach. [View more...](#)

♥ 1 ☐ ADD TO COMPARE

Squonk Computational Notebook

★★★★★ 5 (1)

"Computation research made simple and reproducible"

We believe that the reason computational tools are not being utilised effectively in R&D is not because of a lack of functionality, but a lack of usability. And we don't just mean [View more...](#)

♥ 2 ☐ ADD TO COMPARE

👁 0

Jaqpot

★★★★★ 5 (1)

"Generate, store and share predictive statistical and machine learning models"

Jaqpot is a user-friendly web-based e-infrastructure containing many data analysis and modelling microservices integrated under a common API. The Jaqpot infrastructure [View more...](#)

♥ 1 ☐ ADD TO COMPARE

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OpenRiskNet
e-infrastructure

OPENRISKNET

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e-infrastructure

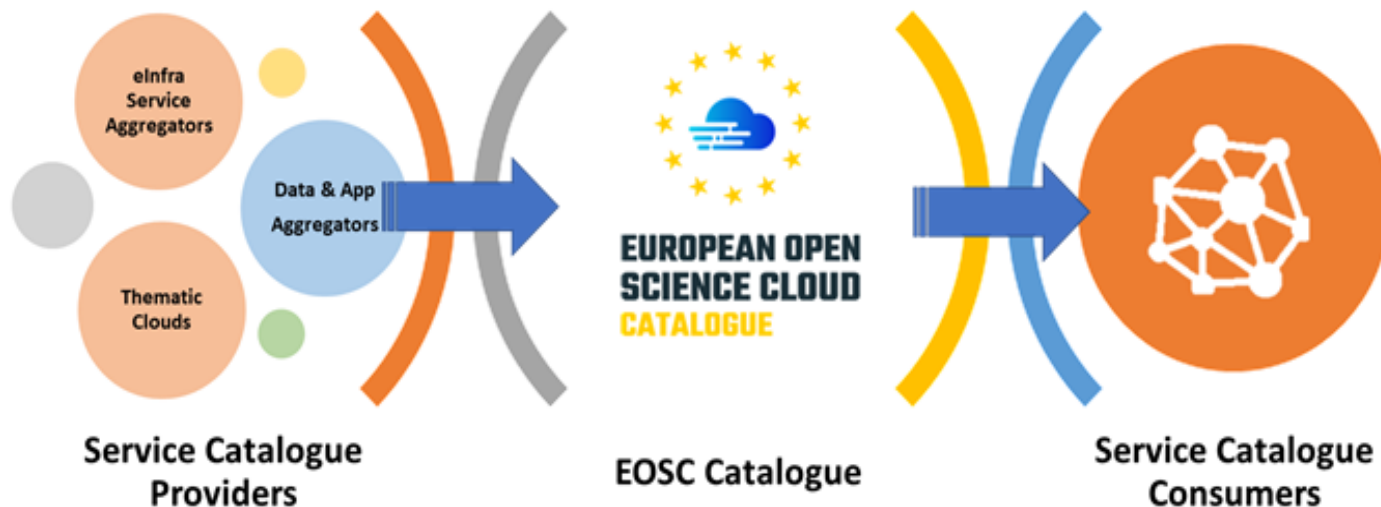
OPENRISKNET

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Key result 4: APIs for enabling EOSC

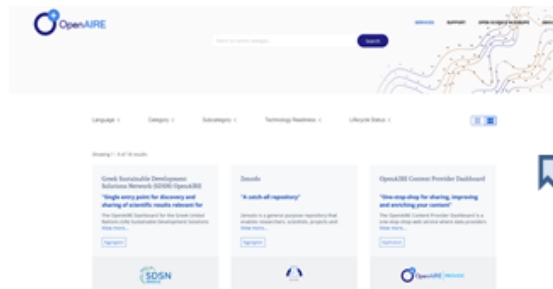
REST API for service information exchange in EOSC



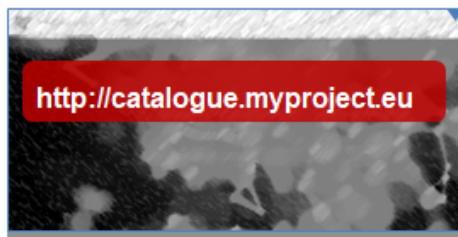
Key result 5: “Build-your-own” Catalogue



<http://catalogue.openaire.eu>



<http://catalogue.myproject.eu>



<http://catalogue.geant.org>
(in progress)



eInfraCentral
Platform
<https://github.com/eInfraCentral>

Thank you for your attention!



<https://catalogue.eosc-portal.eu>

www.project.einfracentral.eu

 @eInfraCentral



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DELL'INFORMAZIONE "A. FAEDO"



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