

# Research Infrastructures in the European Research Area and Horizon Europe

ESOF 2020, A Journey with RISIS and its Datasets, Virtual Session

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# There is need to support Europe's 6 top political priorities



- ✓ A European Green Deal
- ✓ An economy that works for people
- ✓ A Europe fit for the digital age
- ✓ Protecting our European way of life
- ✓ A stronger Europe in the world
- ✓ A new push for European democracy

# What RISIS can do in this new European Policy Context?

- RISIS can contribute to improve the evidence base of the European Science and Innovation Policies, the new ERA and Horizon Europe
- RISIS should reflect upon ensuring the long-term sustainability and open access to its datasets within the current Horizon 2020 grant, which will run-up to December 2022.
- And create links with other Research Infrastructures and ESFRI projects in particular the Social Sciences and Humanities Open Cloud

# Towards an Open and FAIR European Research Infrastructure Policy - What we have achieved

- Establishment of over 50 pan-European Research Infrastructures
- Close to 20 billion worth of investment, of which 90% from national governments
- Twenty One European Research Infrastructures established as European Research Infrastructure Consortia (ERIC, EU legal instrument of 25 June 2009)
- Up to now Horizon 2020 support to 15.000 researchers visiting a research infrastructure not located in their country

# We were working and will continue to work with ESFRI - European Strategy Forum on Research Infrastructures



- Set up by the EU Council of Research Ministers in 2002: Representatives of Member States, Associated States, and of the European Commission
- To support the development of a European policy for Research Infrastructure in the European Research Area and discuss a long term vision at European level
- Mandated by the EU Council of Research Ministers of November 2004 to develop a **strategic roadmap 2006 and its updates 2008, 2010, 2016 and 2018** identifying new pan-European Research Infrastructures or major up-grades to existing ones

# Research Infrastructure Roles in EOSC – 5 ESFRI cluster projects



## Service/Product providers

- *Contribute to the portfolio & Integrate*
- *Promote, Train, Exploit*
- *Participate in the federation*



## Early adopters

- *Pilot*
- *Use*
- *Co-develop*

## Consumers

- *Credit allocation & exploit*
- *Support*
- *Improve with feedback*
- *Use*



<p><b>Social Sciences &amp; Humanities</b>  <b>Open Cloud (SSHOC)</b>          • 2019- 2022 / 14,5M€          • Provide a full-fledged Social Sciences and Humanities Open Cloud where data, tools, and training are available and accessible for users of SSH data.</p>	<p><b>ENVRI-FAIR</b>          • 2019-2022          • Connection of the ESFRI Cluster of Environmental Research Infrastructures (ENVRI) to EOSC. All participating RIs is to build a set of FAIR data.</p>	<p><b>EOSC-Life</b>          • 2019-2022/ 24M€          • Part of EOSC tackling challenges of analyzing and reusing the prodigious amounts of data produced by life-science          • Providing an open collaborative space for digital biology in Europe</p>	<p><b>PaNOSC</b>          • 2018-2022 / 12M€          • Photon and Neutron Open Science Cloud builds on top of the existing local meta-data catalogues and data repositories to provide federated services for making data easily FAIR, and develops data analysis services</p>	<p><b>ESCAPE: Astronomy &amp; Particle Physics</b>          • 2019-2022 / 16M€          • Implementing Science Analysis Platforms for EOSC researchers to stage data collections, analyse them, access ESFRIs' software tools, bring their own custom workflows</p>
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# RIs from H2020 to HE – Main novelties

- a new challenge-driven approach will join the science-driven one
- emphasis on customization and integration of (different) RI services to better support research addressing global challenges and political priorities
- new activities to consolidate and develop the Landscape of European Research Infrastructures

# Thank you



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