



VRE working group

6 July 2023

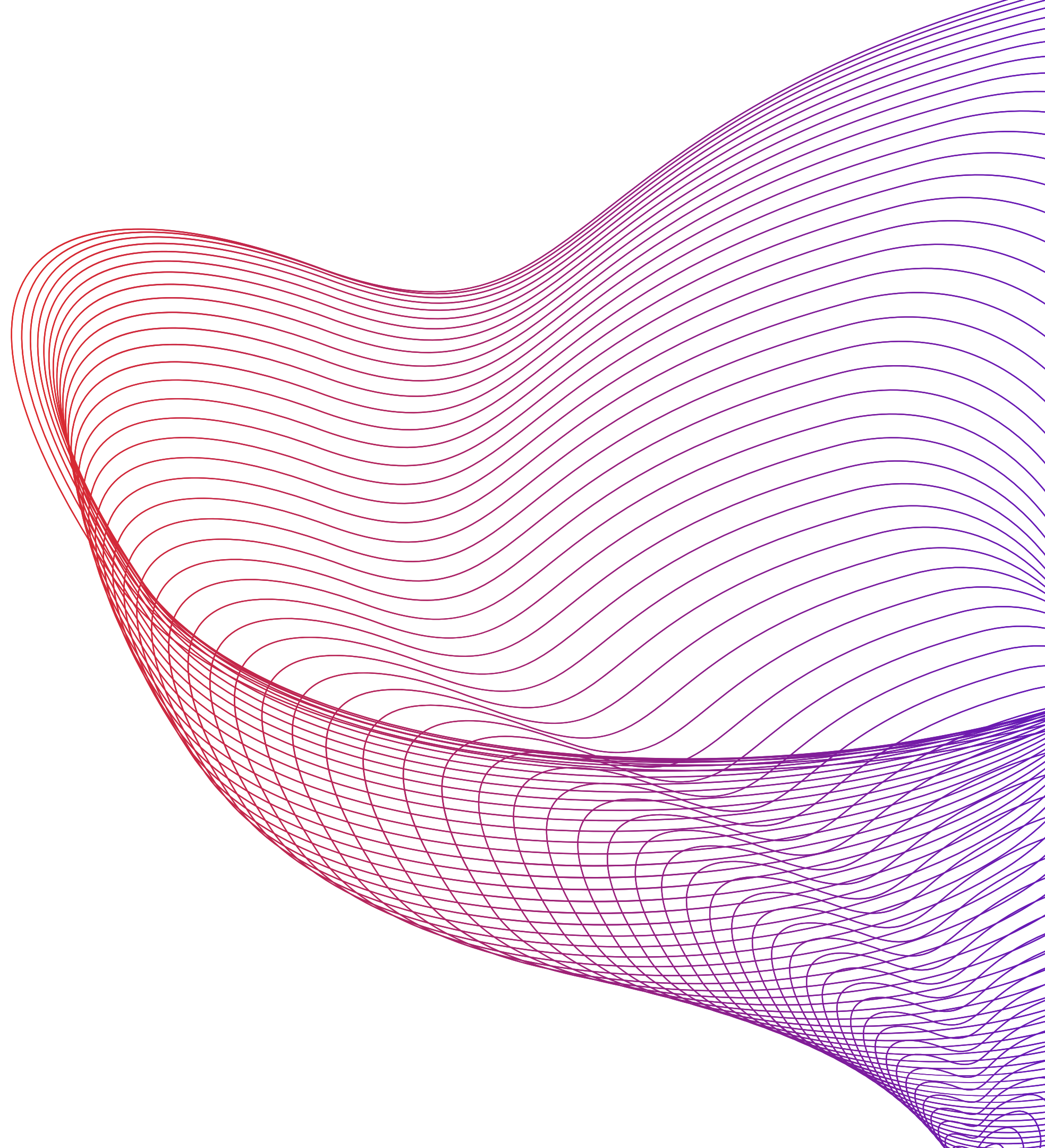


Agenda

VRE presentation by Domenic

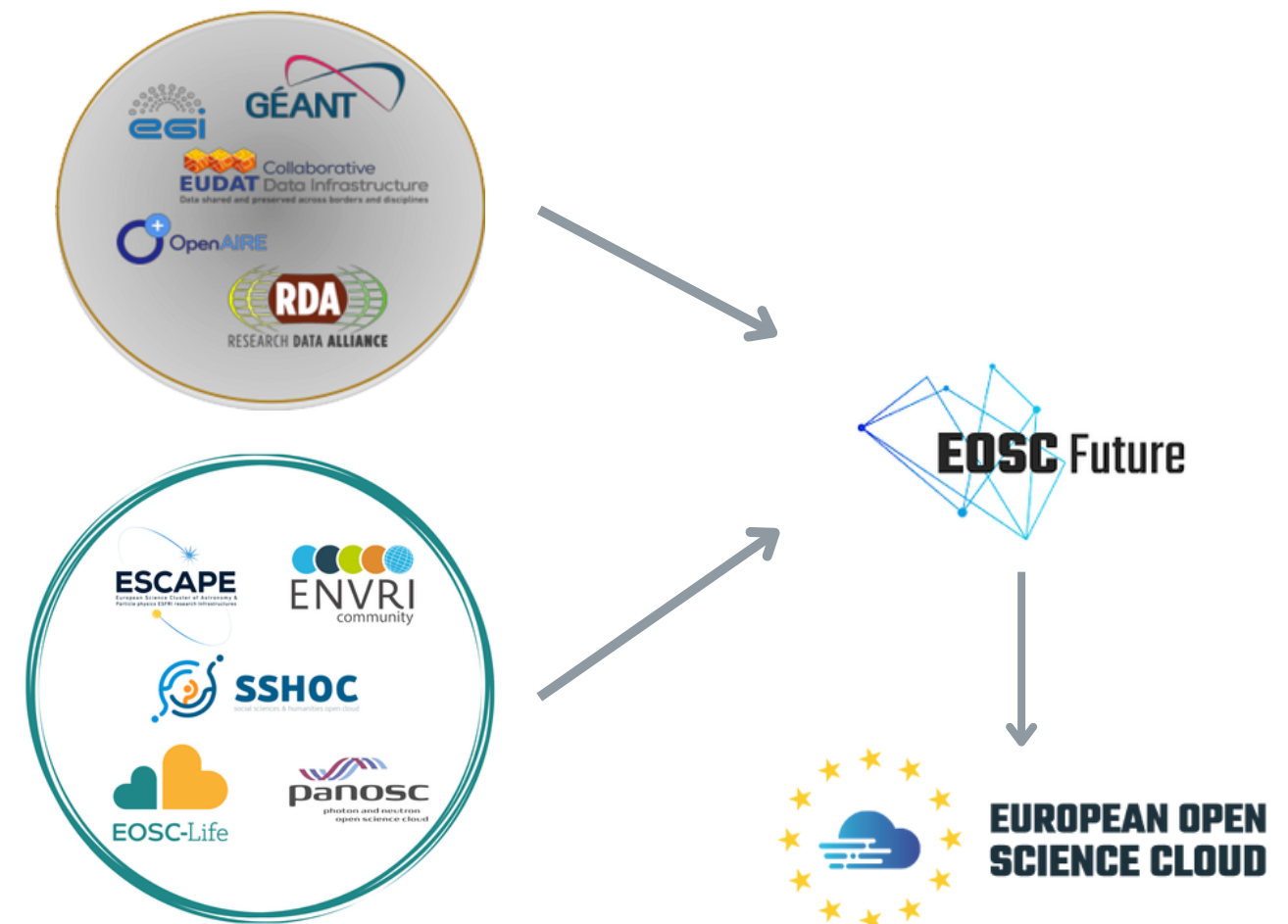
Round table

Next meeting

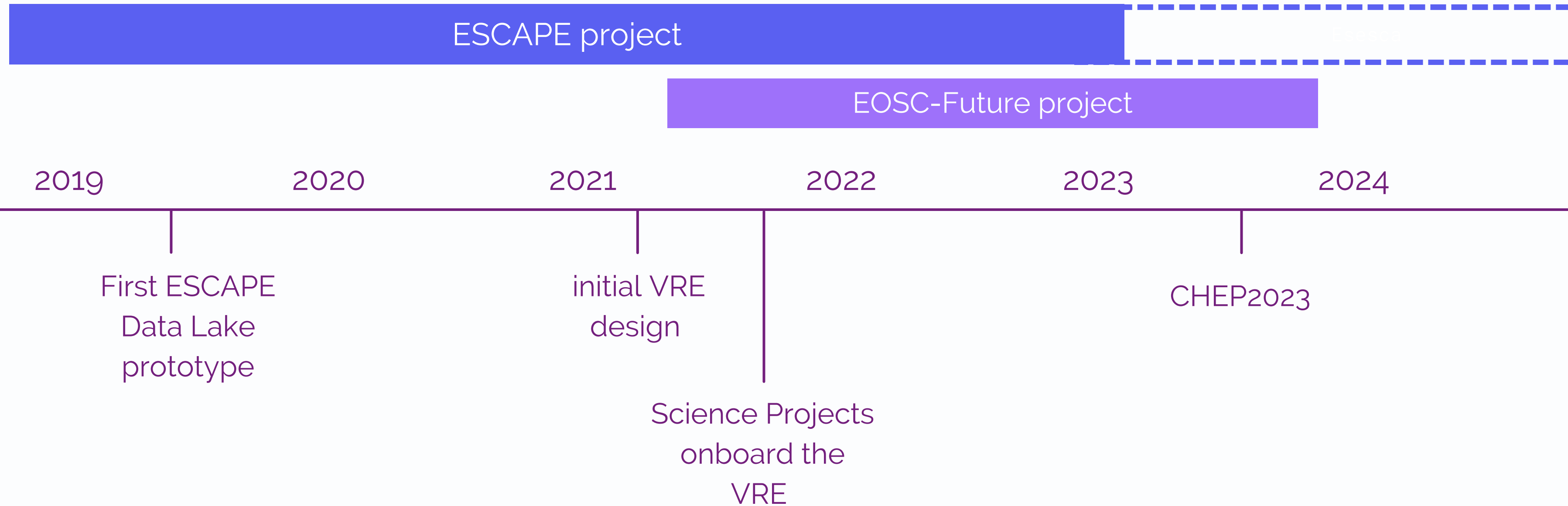


The Virtual Research Environment

The VRE is an **open source** analysis platform where researchers have access to all the digital content needed to **develop, share and reproduce an end-to-end scientific result** in compliance with **FAIR** (findable, accessible, interoperable, reproducible) principles.



Timeline



Status

The VRE is an R&D project and it is not a production system. As such, the platform is maintained by a team of 3 people.

For the moment, ~ 230 users subscribed on the IAM platform and have therefore access to the resources.

VRE documentation and links to resources at: <https://vre-hub.github.io/>.

vCPUs	RAM (GB)	Masters	Nodes	Remote Storage (TB)	CephFS (TB)
184	335.8	3	23	646	1.8

25 Openstack machines

- 14.6GB RAM
- 8 VCPU
- 80GB Disk
- Fedora CoreOS 35
- LINUX



Two sides of the coin

A bipartite look at the ideal infrastructure ...



	SCIENTIST	IT ADMINISTRATOR
USEABILITY	Ergonomic (onboarding, documentation)	Maintenance, portability, modularity
DATA ACCESS	Various FAIR data/metadata types	Security, varied protocols and technologies
ANALYSIS	Performance	Cost, energy consumption
REPRODUCIBILITY / SUSTAINABILITY	Software and analysis steps preservation	Easy re - deployment

Round table

- Introduction: personal and professional
- which experiment/Research Centre/university are you associated with
- what is your project about, technically
- why are you interested in joining the VRE working group meetings
 - how would you like to contribute ?
 - what do you expect ?
 - what would you like to learn ?