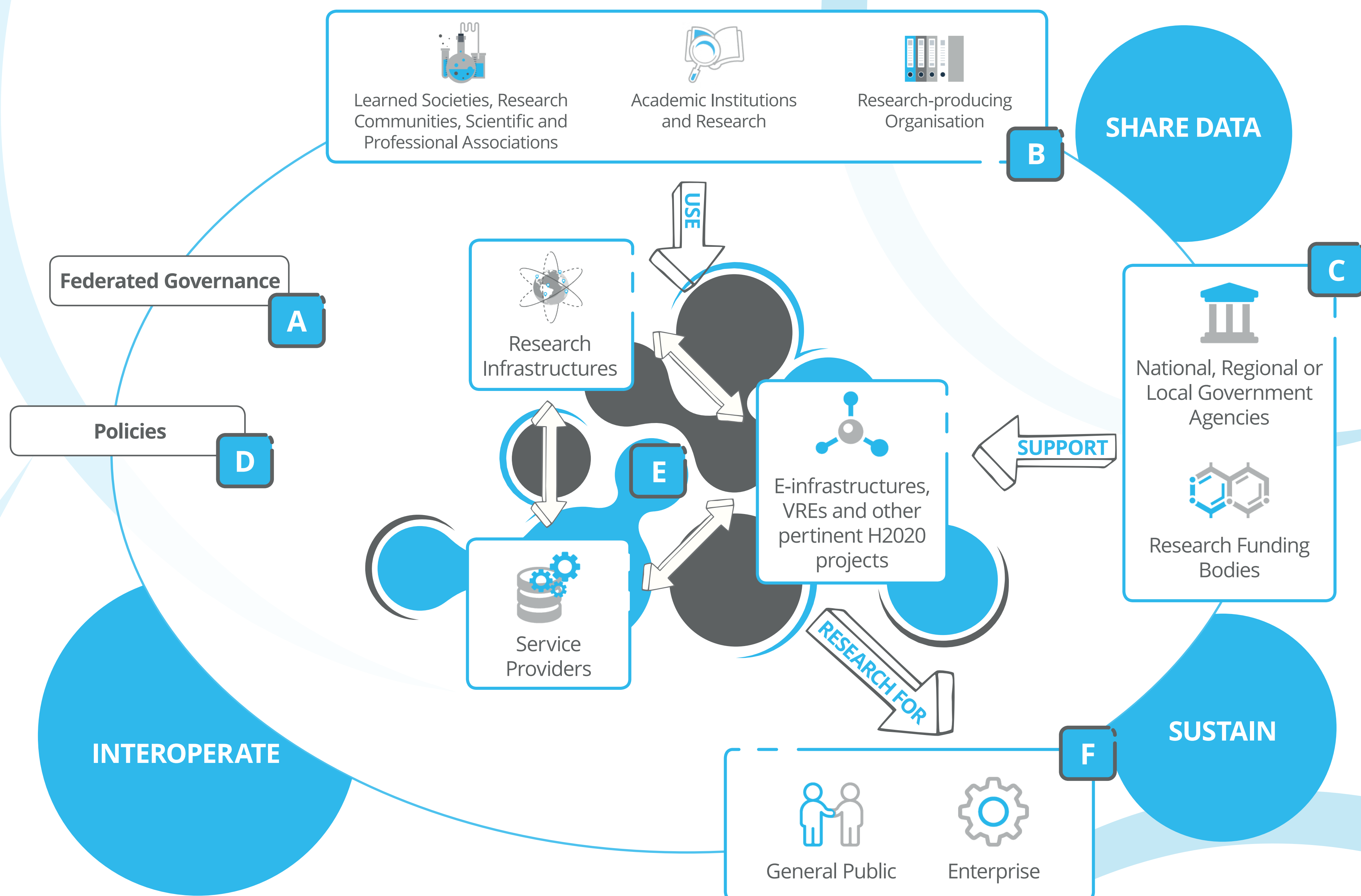


# THE EUROPEAN OPEN SCIENCE CLOUD (EOSC) FOR RESEARCH DATA PILOT

www.eoscpiot.eu

## What is the EOSC?

An open environment to store, share, analyse and re-use cross-disciplinary scientific data



## HOW IS EOSC PILOT HELPING TO BUILD THE EOSC?

By resolving Technical, Cultural & Scientific Challenges with stakeholders

- A** Designing a Pan-European governance structure
- B** Establishing a policy environment required for the effective operation, access & use of the future EOSC
- C** Aligning national funding strategies (EOSC Funders Summit)
- D** Evaluating the feasibility and value of data re-use through Science Demonstrators
- E** Developing the interoperability requirements (architecture, mechanisms) and validate a portfolio of EOSC services
- F** Engaging with stakeholders

## 15 Science Demonstrators

www.eoscpiot.eu/science-demonstrators

**ENVRI:** Integrate heterogeneous climate data sources

**High Energy Physics:** Preserve CERN's LHC data (>100TB)

**PanCancer:** Analysis of whole genomes across clouds

**Photon-Neutron:** Harmonise cloud of >35,000 users

**Textcrowd:** Bring together text-based services

**PROMINENCE:** HPCaaS for Fusion in Energy Research

**EPOS/VERCE:** Virtual Earthquake & Computational Earth Science environment

**Life Sciences/Genome Research:** Updating and standardising datasets for reuse

**Life Sciences/Structural Biology:** CryoEM workflows for interoperability and reuse

**Physical Sciences/Astronomy:** Easy access to LOFAR Data

**Generic Technology** – Frictionless Data Exchange Across Research Data, Software and Scientific Paper Repositories

**Life Sciences** – Genome Research - Bioimaging

**Astro Sciences** – VisIVO

**Earth Sciences** – Hydrology

**Social Sciences and Humanities** – VisualMedia