

# Austrian NeuroCloud



Austrian NeuroCloud

FAIR data operations for neuroscience

Funding source  
**National, regional, institutional**

In-kind value  
**€1M–€10M**

Timeframe  
**2020–ongoing**

Target group  
**Researchers**

Scale  
**International**

Year of reporting  
**N/A**

## Case study

The [Austrian NeuroCloud \(ANC\)](#) is a FAIR-enabling platform for sustainable research data management in cognitive neuroscience. It supports the entire data lifecycle, from acquisition and storage to validation, metadata curation, publishing, and sharing. The platform provides researchers with tools to ensure continuous data integrity, compliance with community standards, and controlled access to research data.

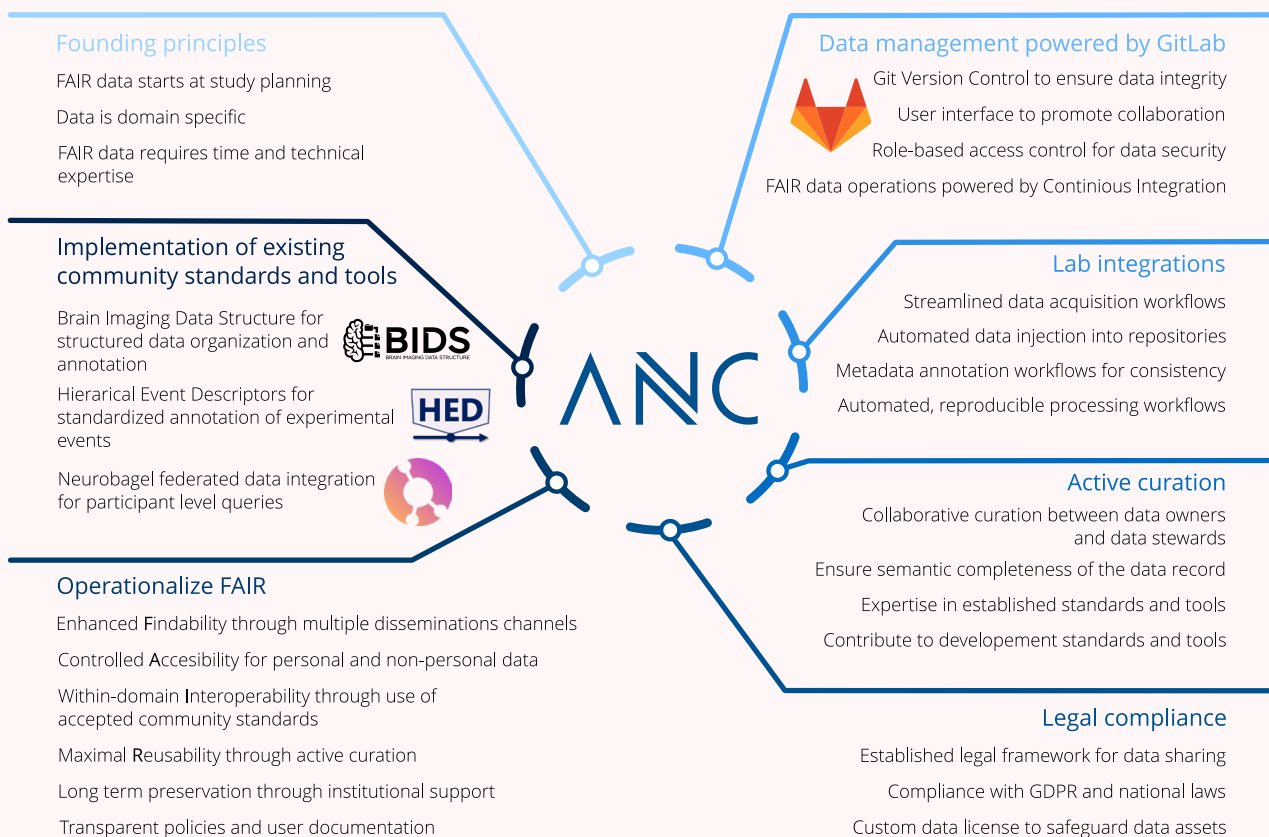


## Added value

- Leveraging the Brain Imaging Data Structure (BIDS) standard and domain-specific expertise to standardise and validate datasets, **reducing manual effort** for researchers.
- Enabling seamless discovery, interoperability, and integration into broader research contexts through **continuous and comprehensive metadata curation** that enriches data at all levels.
- **Empowering researchers** to streamline data acquisition, storage, and sharing without mastering FAIR principles or handling technical complexities.

## Problem addressed

Neuroscientific data often lack complete metadata and standardisation, and present barriers to sharing. The **Austrian NeuroCloud** addresses these challenges by providing structured storage, legal support, dissemination channels, and continuous curation to ensure compliance with BIDS and metadata standards. It enhances the FAIRness of datasets by improving metadata interoperability and ensuring data reusability, all without placing an extra burden on researchers.





Core components shaping the Austrian NeuroCloud infrastructure. CC BY Austrian NeuroCloud

### SRIA General Objective

G03: Establish a sustainable and federated infrastructure enabling open sharing of scientific results

### Research areas

-  Natural Sciences
-  Medical and Health Sciences

### Type of result

-  Infrastructure
-  Service