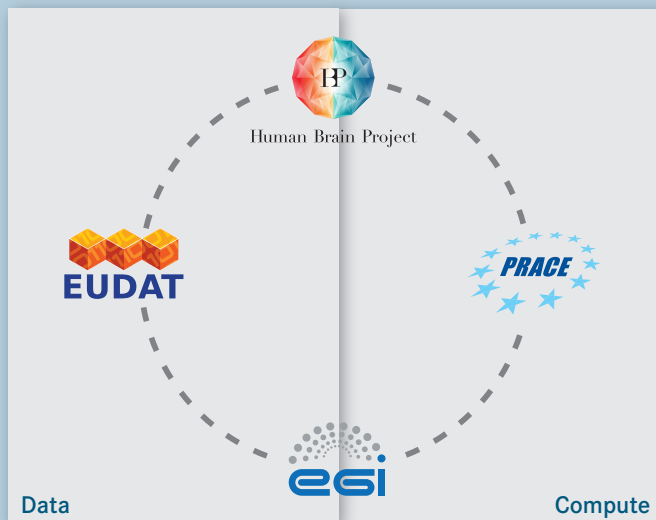


# e-Infrastructure Operation

## Connecting Compute and Data



- Hosting of community services and data
- Embracing new communities
- Authentication, authorization, accounting, monitoring
- Operation of infrastructures
- Sustainability
- Training and support

### Role in paradigm shift

- Establish data-oriented infrastructures
- Facilitate community-oriented collaborations
- Enable seamless access to on-demand compute and data resources

### Compute e-Infrastructures

- Management of virtual organizations
- Provision and management of resources
- Support application integration
- Provide UNICORE to access Jülich's supercomputers
- Adaptation, extension, and integration of UNICORE

### Data e-Infrastructures

- Establish distributed data infrastructure
- Provide distributed storage solutions
- Host metadata provision and harvesting services
- Provide object-stores and personal research storage
- Leverage graph-based data integration

### Cross-sectional activities

- Support users, administrators, and developers
- Provide comprehensive monitoring
- Enable federated AAI
- Develop sustainability solutions

