

# Nordic Collaboration on e-Infrastructures for Earth System Modeling

## Facts

### Project partners

- Nansen Environmental and Remote Sensing Center
- Uni Research Klima
- University of Oslo, Department of Geosciences
- Swedish Meteorological and Hydrological Institute
- National Supercomputer Centre Linköping
- Danish Meteorological Institute
- University of Helsinki, Department of Physics
- Finnish Meteorological Institute
- Nordic e-Infrastructure Collaboration

### Project duration (start, end)

- 1.1.2017 - 31.12.2019

### Project budget (# of FTEs)

- 2.9 per year

### References

- Slack #esm
- [wiki](#)
- [work plan](#)

## Achievements

### What is the project about?

Helping researchers to improve their use of e-Infrastructures by sharing knowledge and building up competency in three key areas for CMIP6.

### What specific problems are addressed?

- ESGF data node administration & use
- ESM competence building
- ESM data quality control

### What lessons were learned?

- project idea to startup takes a loooong time
- collaboration tools: Skype, Google docs

### Alignment with NeIC 2016-2020 strategy?

#### FA1 - Pool Competencies

- workshops, tutorials to share knowledge and build up competency

#### FA2 - Share Resources

- pilot a distributed operational team for ESGF data nodes

#### FA3 - Secure Long-Term Funding

- demonstrate importance of collaboration between user communities and providers

#### FA4 - Strengthen Stakeholder Dialogue

- deepen links to a community being already one of the biggest users of compute and storage resources

## Plans

### Open issues & future plans

- project just launched
- kickoff winter/spring 2017

### What would the project like to learn from other projects?

- what they could “offer” in terms of knowledge, competence and resources
- establishing a distributed operational team
- effective engagement of low-% staff
- establishing team spirit
- e-tools for collaboration

### Major milestones (in 6, 12, 24 months)

#### M06

- initial map of classes, courses and trainings; calendar entries and links to documentation/best practice guides

#### M12

- requirements and gap analysis for ESM competence

- report on existing knowledge in ESM data quality control

- requirements of data publication

- harmonised ESGF data node setup

#### M24

- procedures for a distributed ESGF node operations team