



First NICEST2 newsletter

15th May 2020

Posted by [Anne Fouilloux](#) on May 15, 2020 · 1 min read

Get ready for NICEST2

First NICEST2 newsletter

[First NICEST2 newsletter](#)

[NICEST2 project preparation](#)

[NICEST2 expected benefits](#)

[Get in touch with us](#)

Agenda

1. [NICEST2 project preparation](#)
 1. [Open Canvas](#)
 2. [Project Plan](#)
2. [NICEST2 expected benefits](#)
3. [Get in touch with us](#)
 1. [Zulip](#)

NICEST2 project preparation

Open Canvas

The [Open Canvas](#) for NICEST2 has been published and we welcome [your feedback](#).

Open Canvas		project : NICEST2	
Project Execution	Problem P1: Climate models/tools not specifically developed and/or tuned to provide deep insights into climate change impacts on Nordic environments, economy and society as a whole P2: Making the best use of the coming EUROHPC machine requires fundamental upgrading of the entire workflows and strategies for tackling issues related to exascale computing (access to data, mitigate hardware failures, etc.) P3: Insufficient e-infrastructure & services as well insufficient expertise to adapt and apply FAIR principles to Climate science	Solution S1. Get expertise on ESMVal Tool to enable the development of new diagnostics S2. Develop a framework for deploying/porting/evaluating (performance/energy) ESMs on new architectures S3. Establish a roadmap for FAIR climate data beyond data produced in large projects (CMIP6, CORDEX)	Unique Value Proposition - Increase availability of diagnostic tools to better assess climate changes in the Nordics. - Optimize (performance & energy efficiency) ESMs in the Nordics - Define a clear roadmap for FAIR climate data in the Nordics (for everyone)
	Key Metrics # of participants to online/in-person ESMValTool training # of new ESMValTool diagnostic modules that targets the Nordic regions # of participants to online/in-person training for developing ESM workflows (including containerization, and some FAIRification) # ESM workflows (including mock-up) # of people capable to adapt and apply FAIR principles to Climate data. # of researchers/RSEs using the new DMP template for Climate data	User Profiles Target audience and early adopters Students, PhDs, postdocs and researchers living/working in the Nordics	User Channels Mailing list (esm-nordics@googlegroups.com) Twitter Online tutorial Galaxy Community hub Workshops (online/in-person) Mailing list (esm-nordics) Nordicesmhub zulip
	Resources Required Github expertise (organization, projects) Conda,container and Galaxy tools expertise FAIR data expertise ESM and ESMValTool expertise Communication/writing expertise Container & workflow repositories Cloud and HPCs computing time and with container tools (Singularity, Sarus, etc.) and GPUs. Storage 50 TB	Contributor Profiles Contribution types and ideal contributors Research Software Engineers/Application experts in the domain of climate Science ESM model developers Climate Science Researchers FAIR/data management experts	Contributor Channels NeIC slack MOL experts Galaxy Community ESIWACE
	Product		Community

Project Plan

The first draft of the [NICEST2 Project Plan](#) has been recently published. It will be regularly updated before the start of the project (June 2020).

NICEST2 expected benefits

*Strengthen the Nordic position within climate modeling by leveraging, reinforcing and complementing ongoing initiatives to enable a future joint Nordic Climate Model Intercomparison Project and Nordic Climate-as-a-service. *

- Enhance the performance and optimize and homogenize workflows used, so climate models (like EC-EARTH and NorESM) can be run in an efficient way on future computing resources (like EuroHPC).
- Widen the usage and expertise on evaluating Earth System Models and develop new diagnostic modules for the Nordic region within the ESMValTool
- Create a roadmap for FAIRification of Nordic climate model data

Get in touch with us

Zulip

We will be using Zulip to discuss within our team and community. We discuss in the open and you can join us on <https://nordicesmhub.zulipchat.com>: you can listen in, follow certain threads, participate, and influence.

[← PREVIOUS POST](#)



Copyright © Anne Fouilloux 2020