# ***Preamble - Pilots for the NFDI4Earth***

# ***1st call (June 29, 2020) - Submission Deadline: July 24, 2020***

The aim of the Earth System Science Pilots in the NFDI4Earth is to contribute to a broad, sustainable, and innovative development of the consortium. Pilots serve, for instance, for requirements engineering in the different task areas. The extent of a pilot should not exceed 1 person-year.

1. Proposals for pilots will be evaluated in an open review process. Both the proposals and the anonymous reviews will be made accessible. By submitting a proposal, you as PI agree to an open access evaluation of the proposal.
2. Criteria for the evaluation of the pilots will be in equal parts (scored on a 5 points scale for each criterion):
   * **Quality and Innovation** (relevance beyond state-of-the-art)
   * **Feasibility** (leveraging existing technologies)
   * **Potential for engaging a broad user community** (also potential for linking scientific users and information infrastructures)
   * **Potential for integration into the NFDI4Earth** (relevance to the NFDI4Earth as whole e.g. in terms of contributing to a measure like education, interoperability, archiving, and clearly addressing relevant aspects of the research data life cycle)
3. It is important to note that the selected **set of pilots must represent a broad range of disciplines within the Earth System Sciences.** Hence, pilots may be selected that score a bit lower than others on the criteria mentioned above in order to cover a wider range of disciplines and interrelations.
4. Submissions should follow the template below - text must contain proper references and links where appropriate.
5. Pilots must be described as short as possible and not exceed 4 pages. However, we will not exclude anyone who does not exactly respect the constraints. But precise wording is what counts.

Note: If the submitted pilot proposal is successful, the applicant agrees

* that the PIs parent institution will be named as participant (with the PI as representative) of the NFDI4Earth,
* that a letter of commitment is provided in due time (due to DFG regulations the letter has to be signed by your institution),
* that the person submitting the pilot will support the proposal writing process as it will be requested by the NFDI4Earth editorial team

Also note: The submission is subject to a review process and does not guarantee any funding.

PILOT TITLE - NOT LONGER THAN ONE LINE

Name Lastname1, Name Lastname2, Name Lastname1, and Name Lastname2

1Affiliation

2Affiliation

Date of submission

Abstract

We expect a summary of the pilot organized as follows (one sentence for each point): 1. General introduction to scientific context/or overarching science question, 2. Concrete problem under scrutiny, 3. Objective of the pilot (max. two sentences), 4. Expected results, 5. Stakeholders of the pilot 6. Perspective of the pilot - if successful - for advancing the NFDI4Earth as a whole (max. two sentences).

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1. Introduction

Needs to explain the following questions

* What is the scientific context? Or what is the overarching science question?
* What is the data-challenge you face and what is the state-of-the-art?
* What is the vision if your challenge would be solved?

1. Pilot description

Describes the Pilot (can also include a flow-chart).

* What is the technological backbone you rely upon?
* Which are the standards and interoperability approaches used in the pilot’s context?
* What is the proposed solution?
* What is the innovation compared to the status quo?

1. Relevance for the NFDI4Earth

Explains integration and uptake potential.

* What are expected users and stakeholders and how do they benefit (describe your stakeholders referencing the following general archetypes: scientists, data curator, infrastructure provider, system integrator, university teacher, public authority, decision-maker)?
* What is the potential for other sub-branches in the Earth System Sciences?
* What elements of FAIR are particularly addressed?
* What aspects of the research data life cycle are particularly addressed?
* Are there particular contributions that help the NFDI4Earth to engage with (e.g. innovative methods, education, advancing interoperability, new platforms,...)?

1. Deliverables

List the names and specifications of the two deliverables:

* Technical operability of the pilot (e.g. software shared, developed interface, implementation and dissemination of knowledge/data etc.).
* Roadmap document for the community (we expect a title of the roadmap you plan to deliver).

1. Work Plan & Requested funding

* Provide a milestone plan (or Gantt Chart) for the planned (up to) one-year implementation phase
* The maximum threshold for a funding request is a one year full time equivalent