





IS-ENES3 Data infrastructure activities



Networking Activities

Data & metadata

Needs, priorities, standards,
future architectures for
ESGF and ES-DOC

Engage with Users Trainings, school Requirements

Evaluation
Standards for diagn. Tools
Standard on evaluation
scientific provenance

Prepare for sustainability



Science center

Data access services

ESGF data access and publication

Long-term archival, PI, WDCC

Climate4impact portal

New compute services For large data pools and evaluation diagnostics

New service on Data and metadata standards
CF & Data Request

Model documentation ES-DOC

Joint Research Activities

Data infrastructure
development
Improve:
Software stack
Computing layer
Data standards
ES-DOC
Climate4impact portal

ESM evaluation developments

Based on ESMValTool

Improve, Extend

Couple to ESGF

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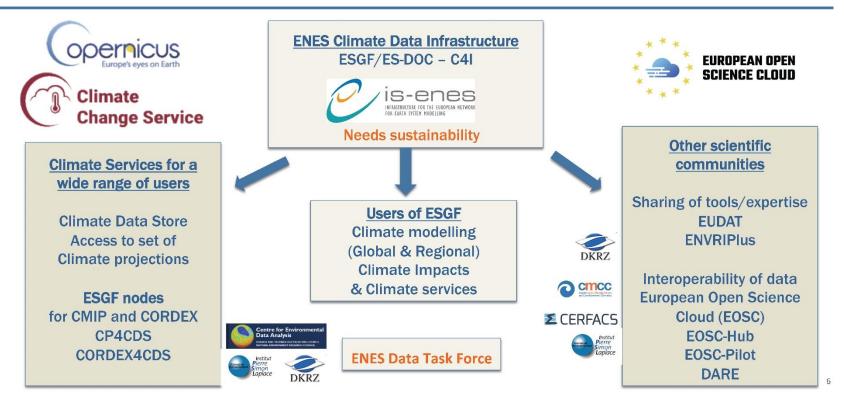






ENES Climate Data Infrastructure in the European landscape





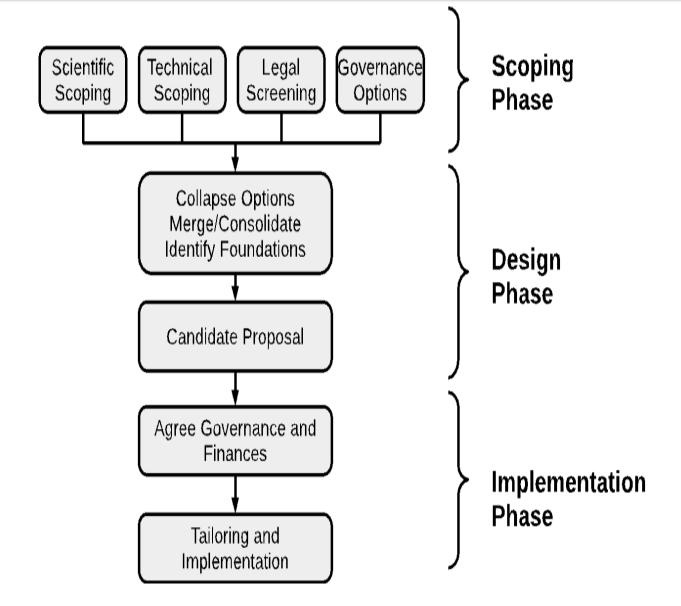
Some dimensions of sustainability

Sustain:

- Our capability to do current workflows ... for more demanding science.
- Development path
- Interaction between software engineers
- Community of developers
- Component reuse
- Our ability to be more than the sum of the parts
- To "bat for Europe" in venues such as ESGF (more weight together than separately)











How to start work in the scoping phase

- Goals to develop/ascertain a plan and timeline for the scoping phase.
 - Creation of WG on sustainability
 - SO leadership; composition of WG
 - Next steps and date of first meeting?
 (M2.3 Sustainability Scoping Report, mo 24)
 - Evaluate sustainability WS in ENVRI+
 - Representatives for the different scoping areas in the working group
 - To be clear what we want and what we can provide
 - Learn from other infrastructures
 - Specify infrastructure costs (VA, TNA, costs for CMIP6)
 - Cooperation with IS-ENES3 WPs on technical scoping
 - Members: interest break-out group
 - Prepare a scoping WS 2nd half 2019: SO together with partners in task