

22/23 ENES DTF Telco September 6th/27th 2017, 10/14 h CEST

Attendees (22): Stephan (DKRZ), Christian (CERFACS), Sandro (CMCC),
Michael Kolax (SMHI), Francesca (CNRS), Martin (CEDA), Sebastien (IPSL),
Michael L. (DKRZ)

Excused: Wim (KNMI), Sylvie (IPSL), Frank (DKRZ)

Attendees (23): Hannes (DKRZ), Christian (CERFACS), Sandro (CMCC),
Sylvie (IPSL), Francesca (CNRS), Martin (CEDA), Sebastien (IPSL),
Michael L. (DKRZ), Frank (DKRZ)

Excused: Michael Kolax (SMHI), Stephan (DKRZ)

Agenda items and minutes:

- Status of ENES-DSI (Data Services Infrastructure):
 - C4I on-going efforts and current activities
 - services are running and used, some development done in C3S 34a on the backend software (Wim), packaging and easy deployment --
 - Eudat work ongoing
 - H2020 related project proposals status
 - Martin design study (DS4CIRI: rejected, 10 points)
 - Eudeca proposal (10.5 points, rejected)
 - CI-TRON proposal (10.5 points, rejected)
 - EOSC-hub proposal (starts jan next year, DKRZ & CMCC involved)
 - EUDAT2020 on-going work related to ESGF/ENES
 - DARE proposal (H2020-EINFRA-2017) has just been approved (14 points) (CERFACS and KNMI involved), C4I is a use case in this proposal (Wim)
 - IS-ENES3 meeting in october
 - ESIWACE preparation for preparation towards exascale
- ESGF:
 - CMIP6 planning and ESGF infrastructure status
 - DKRZ: nodes up, test publication of CMIP6, networking issues, 5 PByte (on disk, for replication + primary data publication)
 - IPSL: nodes up, not cmip6 version deployed; replication: 4 PByte replica (on disk) to be installed jan next year

- CDNOT CMIP6 readiness summary:
 - <https://docs.google.com/spreadsheets/d/1U9ka7f2swDzoFYu4uZ7S0Qu-kF-5s4lgGCggX-ATmWk/edit#gid=0>
 - CEDA: replication volume under discussion; nodes up (issue with access control);
 - NSC: node up with CMIP6 version, probably for primary data publication only, EC-EARTH (data not before december / january)
- **Discussion with respect to replication strategy:**
 - Data format: regrided data ..
 - Variables, Volume:
 - WCRP WG 1,2, DDC meeting at DKRZ planned,
 - Meeting took place September 19th and 20th, 2017 in Hamburg at DKRZ
 - List of most frequently used CMIP5 variables had been identified as good starting point for a CMIP6 data replication strategy.
 - The cooperation between IPCC WG I and II and the IPCC DDC shall be continued in a telco in November 2017 and by an invitation to the IPCC lead author meeting spring 2018.
 - IPSL strategy: balance between user requirements and ESGF consortium replica strategy,
 - hot spot identification is required .. ,
 - Volatility problem of initial data .. need to decide on how to handle old
 - versions ... more detailed discussion by end of this year
- **Status ESGF/CMIP6 Services:**
 - PIDs: infrastructure in place, test publications ongoing
 - Citation: service in place, pilot application with input4mips data
 - ERRATA: up and running, procedure in place, needs to be communicated, effort to support modeling group needed ..
 - ESDOC: ecosystem there, some descriptions are still necessary, beta testing based on python notebooks (gfdl), publisher plugin on the roadmap
 - Organizational aspect: CDNOT main place with respect to data nodes and associated data services, some responsibility at modeling centers (errata,..)
 - Channeling communication to modeling groups: Karl, Balaji .. (put on agenda for WIP telco 2017-09-26) -> information to be given to Karl for channeling to be shaped on next WIP telco.
- **Contribution to ESGF F2F Meeting 12/2017 in SF:**
 - joint poster/demo for C3S 34a lot1/2 on WPS services (wim,stephan)

- Poster and live demo on EUDAT-GEF/EGI/ESGF-CWT/C4I integration Use Case (Christian)
 - Poster on Dashboard (CMCC, DKRZ, JPL, IPSL, LLNL)
 - Demo on Ophidia/INDIGO outcomes (Sandro)
 - Copernicus Programme – Science Drive Overview
 - Copernicus Programme – Machine Learning activities / Big Data (optional, if you don't want to present, let me know)
 - Copernicus Programme – Diagnostics needs and overview (optional, if you don't want to present, let me know)
 - Probably one slot for each of the above three topics; names/titles not yet sure.
- **Action item:** discuss what we want to present and who .. (to be decided during next days, iterate on proposal by Sebastien, include Phil for machine learning..., also include Sandro)
- AGU participation: Sandro
- ENVRI-Plus EOSC pilot
 - Status: project partners;
 - CNRS (France), DKRZ (not funded), ICOS (Lund, ..)
 - Important for future .. would be good to have a success story ..
 - Share experience with EUDAT/EGI work in future
 - INFRAEOSC-04-2018 - ENVRIplus cluster response (see Mail from Francesca 2017-09-26). We should follow, although we are not a main partner. To clarify: who represents IS-ENES, e.g. as reporting (to enes-dtf) partner -> DKRZ.
Envisaged pilot with EGI, ICOS, ... On working level not yet all responsible persons known/hired. Timeline: November for first data from CMIP5 available on EGI data infrastructure to be picked up by ICOS.
- ENES-DSI consortium as legal entity (topic from Michael)
 - Benefits are increased visibility, acceptance and integration in e.g. ESGF and EOSC -
 - Founding members could be the ENES-DTF
 - Discussion should start with pros and cons followed by tasks, objectives and activities
 - No decision on organizational framework at this point
 - Continuation 17-09-27 to turn IS-ENES in a legal entity: ERIC and others: To adapt something existing might be easier than to start from scratch. Contour, scope and structure of the consortium have to be specified - e.g. in an IS-ENES3 project as a topic (task/WP).
Three possible structures were discussed:
 - Community Agreement - Letter of Intent (LoI) between institutes

- International non-profit organisation AISBL (Association internationale sans but lucratif), to be signed by institutes
- ERIC - drawbacks: ca 4 yr time needed to be established, to be signed by the ministries.

The tasks for each partner and the scope still need to be fixed.

Discussion points:

- ENES strategy? Separate data and model part .. joint solution .. ?
 - Agreement before scoping meeting would be good ..
 - Specific proposal: have a specific WP (ESFRI \leftrightarrow ERIC), specific task for data topics ..
 - ERIC : https://ec.europa.eu/research/infrastructures/index_en.cfm?pg=eric
 - ESFRI : https://ec.europa.eu/research/infrastructures/index_en.cfm?pg=esfri
 - Other legal structures?
-
- Topics for IS-ENES3
 - Topic from DKRZ on data and model workflows for efficient use of next generation exascale hardware
 - Available is a 2-pager entitled "Multi-stakeholder Exascale Data and Model Extraction Study (MESDAMES)"
 - Overlapping activity between IS-ENES3 and ESiWACE2
 - Topics to be put into Google folder for brainstorming (<https://drive.google.com/drive/folders/0Bwc33Ahnvs3qSFZfcVRLRH0U1k>)
 - Next telco Thu 2017-10-12 14:00 to 15:00 CEST for topic prioritisation of ENES-DTF
 - IS-ENES3 meeting in Paris from Thursday 2017-10-26 09:00 to Friday about 16:00 CEST

The connection details are:

ENES data task force

Please join my meeting from your computer, tablet or smartphone.

<https://global.gotomeeting.com/join/705758965>

You can also dial in using your phone.

United States: +1 (312) 757-3136

Access Code: 705-758-965

More phone numbers

Australia: +61 2 9087 3604

Canada: +1 (647) 497-9350

Denmark: +45 32 72 03 82

Finland: +358 923 17 0568

France: +33 170 950 594

Germany: +49 692 5736 7317

Ireland: +353 15 360 728

Italy: +39 0 230 57 81 42

Netherlands: +31 207 941 377

Norway: +47 21 93 37 51

Spain: +34 932 75 2004

Sweden: +46 853 527 836

United Kingdom: +44 330 221 0088

First GoToMeeting? Try a test session: <https://care.citrixonline.com/g2m/getready>