ENES-DTF Telco September 19th, 2018: Agenda and Minutes

GoTo Meeting: start 14:00, end 15:10

Google Doc:

Participants (Enes-datatf mailing list):

Michael Lautenschlager (DKRZ, Chair)
Bryan Lawrence (NCAS) [no]
Sylvie Joussaume (IPSL)
Martin Juckes (BADC)
Sébastien Denvil (IPSL)
Frank Toussaint (DKRZ): excused
Stephan Kindermann (DKRZ): excused
Sandro Fiore (CMCC): excused
Wim Som de Cerff (KNMI): [no]
Christian Pagé (Cerfacs)
Michael Kolax (SMHI): [no]
Francesca Guglielmo (IPSL)

Guest: Tobias Weigel (DKRZ) for ECAS and ESGF F2F

Starting date of IS-ENES3

December might have been good for ESGF F2F -- but difficult to organise -- January is better, giving time to prepare for kick-off in January (probably in Paris).

ENES-DSI contribution to ESGF F2F 2018

Nominations for abstracts so far

- European Contribution to ESGF (Presentation by Sylvie as ESGF-SB Member, support from Michael)
- PID services (Poster by Tobias)
- ECAS - ENES Climate Analysis Service (Presentation or Poster by Tobias and Sandro)
- Dashboard status report in the CDNOT context (Presentation by Alessandra)
- HPC-related developments of Ophidia (Demo or poster by Sandro)
- C4I portal for CMIP6 data access (Presentation by Christian and Wim)
- CMIP6 ingestion pipeline at CEDA (Alan Iwi or Ruth Petrie)
- Containerising ESGF for CP4CDS (Matt Pryor, submitted)
- CMIP6 Citation (Presentation, Martina, abstract submitted)
- Long-Term Archiving / IPCC-DDC (Presentation, Martina, abstract submitted)
- Errata service (Guillaume Levavasseur, abstract submitted)
- Future of synda (Atef Ben Nasser, abstract submitted)
- ESGF Test suite (Sébastien Gardoll, abstract not yet submitted)
- Jenkins docker image build pipeline mechanisms (Sébastien Gardoll, abstract not yet submitted)
- Vocabulary Service (Mark Greenslade et al, abstract not yet submitted)
- CMIP6/ESGF data replication (Stephan, abstract not yet submitted)

Missing: esdoc?

Outline Agenda

Tuesday December 4th
- *General Aspects*
- *ESGF Status (review of 2016 implementation plan, review action items from ESGF F2F 2017, status of ESGF working teams)*
- *Keynotes from ESGF board and funding agencies*
- *ESGF Compute Services*
- *Poster session*

Wednesday December 5th
- *CMIP6 Services in ESGF*
- *ESGF in Analysis Applications*

Thursday December 6th
- *Rethinking of ESGF Architecture*
- *Topics from ESGF Working Teams*

Friday December 7th
- *Morning (parallel sessions)*
- *Working Teams Side Meetings*
- *ESGF-XC F2F*

Agenda expected to be ready mid-October.
Send abstracts to Angela by end of September

Sylvie: can we share abstracts within ENES? e.g. redmine?
Michael: not sure about write access for redmine -- need to check with Stephan. Perhaps google doc?
Please put abstracts here:
https://drive.google.com/drive/folders/1ifEMkww8W9j2592ARZtMUzgmuXT93buv?usp=sharing

Sebastien will follow up about an ESDOC presentation.

C4I as European contribution to CMIP6 data access: integration into ESGF data node portals

Last week Christian, Wim, Maarten and I had a telco about the operational status of C4I and the integration as ENES contribution for CMIP6 data access in addition to CoG. We drafted a short description of the C4I and sent it to Karl and Paul for integration into the Guide for data users (https://pcmdi.llnl.gov/CMIP6/Guide/dataUsers.html) we suggest a short paragraph in section 3 "Accessing Model Output" to introduce the C4I to CMIP6 data users:

3.2. The ENES Climate for Impacts Platform (C4I)
The climate4impact (C4I) portal provides a tailored intuitive web interface aimed at the climate change impact community end-users and impact modellers. It is used by graduate and Ph.D. students as well as climate researchers and in classrooms education at universities on climate change.

C4I features include an intuitive and responsive search, fast visualization, combination of datasets, statistical downscaling, analytics services through ICCLIM, a user basket to store intermediate results and download services. For expert users C4I provides the mentioned collection of services via a RESTfull API. The C4I data services rely on and use the ESGF infrastructure.

Besides the data services, the C4I portal provides, use cases, scientific and technical documentation. It links to ESDOC for more comprehensive model documentation.

Link to C4I: https://climate4impact.eu/

C4I API Documentation: https://dev.knmi.nl/projects/impactportal/wiki/API
ICCLIM documentation: http://icclim.readthedocs.io/en/latest/

Waiting for IS-ENES3 to start in order to support a help desk for this service;
Could there be a link from ESGF data nodes to C4I?
Sebastien: this would be the CoG front end (users don't land on data nodes); users get to the data by many routes; best place to advertise things is the CoG front end (e.g. https://esgf-node.llnl.gov/projects/cmip6/)
Michael: are there restrictions on the content of these pages?
Sebastien: there is a statement of what is meant by equivalence

Summary of CoG site compliance : CoG Compliance view
Document describing the required outline: Rules for CMIP6

Martin: also need to consider branding requirements;
Michael: we can discuss at ESGF F2F; we will also discuss user support;
Sylvie: we should make sure that we exploit information on ENES web site;
Christian: C4I documentation section could be more linked to ENES portal;

Follow-up information provided by Martin just after the telco:
    A short follow-up to the discussion we had in the DTF telco: I was in a WIP discussion which considered presentation of CMIP6 data in ESGF and decided against allowing CMIP6 to appear as an "activity" facet alongside other activities such as CMIP5: CMIP6 will have its own, branded, search page (e.g. https://esgf-node.llnl.gov/search/cmip6/ , and CMIP6 data is not available through https://esgf-node.llnl.gov/search/esgf-llnl/): this decision is also related to the changes in the facets, which are quite extensive.
    With C4I you have the advantage of a restful search, so you might avoid problems if you ask about linking to https://climate4impact.eu/impactportal/data/esgfsearch.jsp#project=CMIP5& (with CMIP6 replacing CMIP5), and then try to work out how to add a logo<https://esgf-data.dkrz.de/site_media/logos/180712_WCRP-CMIP6_540x100px_72dpi_ljaUXkC.png>/logos for selected projects.

ECAS (ENES Climate Analysis Service) available from the EOSC-Hub

ECAS is integrated in EOSC-Hub as ENES community contribution. There has been a short email conversation between Sebastien, Sandro and Tobias (today on the call) begin of the week.
In the EOSC-hub the point is about demonstrating the software quality and technical integration capabilities of the service with regard to the available e-infrastructures EGI/EUDAT as well as its applicability to other user communities. Most of the funding is for integration activities with EGI, EUDAT and INDIGO services as well as for training to enlarge the user base especially outside the climate community.

Sebastien: very happy that a service exists in the EOSC-Hub; how do we decide on what goes to EOSC-Hub?

Tobias: funding dedicated to integration tasks; at some point we will be requested to participate in management procedures; still struggling with virtual access conditions (getting back money for service provided); OK for ENES users; project demands that we support new users; DKRZ cannot

support astronomy users with existing users. Have a plan for porting software stack, possibly to another provider.
Sebastien: who are the target users .. biology, etc?
Tobias: it should be more than the ENES users.
Sylvie: it demonstrates technology, ability to support other communities with our technology.
What is the contour of services, and how does it relate to other ENES services supported by IS-ENES3?

The ECAS EOSC-Hub project does not support service development work -- need to cover that in IS-ENES3. ENES has a high rank in EOSC discussions … we need to use this momentum;
We should not be naive about EOSC …..

Tobias: EOSC can also help us to gain technology input from other communities;

ENES Service Portfolio Management

Sebastien provided link to background information. This formalism might be useful to help us advertise and communicate on our services outside.
https://wiki.en.it-processmaps.com/index.php/Service_Portfolio_Management

Major organisations do some form of service portfolio management, defining high level services in a structured formalism;
Sebastien will provide examples:

ELIXIR exemple, page 24 from the following document
GEANT example, page 26 from the following document
Worldwide LHC Computing Grid example, page 27 from the following document
https://ec.europa.eu/research/participants/documents/downloadPublic?documentIds=080166e5b7c a09e5&appId=PPGMS

Will help us to define our services; can help with sustainability discussions.
Michael: let's look at examples and then discuss at IS-ENES3

Any other business

Sylvie: as we are entering production mode and IS-ENES3: should we have regular DTF telcos?

Michael: we will have CMIP6 discussions at the F2F; not sure we should define a regular telco yet. We should have more CMIP6 data in ESGF

Martin: before the is-enes3?

Michael: we should talk again before ESGF F2F; discuss CMIP6, F2F, kickoff; Status of CMIP6 data publication, mid of October a Doodle for eg in November, first half.