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Newsletter 3
February 2020

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Project News and Upcoming Events

IS-ENES3 has its community on ZENODO!

IS-ENES3 has its community on ZENODO since September 2019!

The project material, such as deliverables, milestones, presentations, newsletter, will be regularly uploaded on the IS-ENES3 community.

IS-ENES3 week in Toulouse (23-27 March)

From the 23rd to the 27th of March 2020, at the Centre International de Conférence of Toulouse

It includes:

The Coupling Technology workshop, organized by CERFACS (**23-25** *morning*): The workshop aims to bring together leading researchers and practitioners in the field of **coupling infrastructure for Earth System Models**. This workshop is the fifth in the series, started in 2010 in Toulouse and followed by Boulder USA (2013), Manchester UK (2015), and Princeton USA (2017).

The **[9th ESGF Face2Face Conference](#)**, co-organized by IS-ENES3, Météo-France and LLNL (**23-25 *morning***): The workshop aims to bring together leading researchers and practitioners in the field of **climate data research infrastructures**. In addition to the presentation of the status and the CMIP6 integration, near term implementations and the future architecture of ESGF (Earth System Grid Federation) will be discussed and coordinated. Central part of the conference is the exchange between ESGF developers in the working teams and the infrastructure users.

Register [here](#) **before Feb 21st!**

The **[IS-ENES3 First General Assembly](#)**, co-organized with Météo-France (**25 *afternoon*-27**) will be the opportunity for the consortium to present and exchange on the results of the project first year. It will be organized around the three main themes in IS-ENES, which are ***Data, metadata and other data software; Models, tools and HPC;*** and ***Model evaluation***, and will allows to discuss in depths some cross-work packages issues.

Register [here](#) **before Feb 21st!**

All practical information and registration links are on the [is.enes.org](#) website.

First IS-ENES Autumn school on climate data use for impact and adaptation assessments (Autumn 2020)

The first IS-ENES Autumn school on 'Climate data use for Impact and adaptation assessments' is organized this **Autumn 2020** (October or November), during **5 days**, in the **Czech Republic**. It is an opportunity for climate scientists and climate impact researchers to interact on topics like **climate models**, **climate data** and the **creation of new assessment tools**. The exact time and location will be announced within a few months on the [Autumn school webpage](#) and through the IS-ENES mailing list.

The autumn school will give Vulnerability, Impact and Adaptation researchers, climate services providers, etc. **basic knowledge for working with climate data** and **introduce them to the tools to access, visualize and process climate data**. It **will also enhance interaction between climate scientists and impact researchers**, and **make knowledge of the IS-ENES consortium available for young scientists** all over Europe.

The school is open to **Vulnerability, Impact, Adaptation (VIA) researchers, climate service providers** and **climate researchers.**

Interested?
If you're interested, you can send an e-mail to **[judith.klostermann(a)wur.nl](#)** to receive more information on the school and on registration when available.

Past Events

ESGF Future Architecture Workshop (5-7 November 2019)

The ESGF Future Architecture meeting was held **5-7 November at Milton Hill House hotel** near STFC Rutherford Appleton Laboratory in the UK.

This was convened **as part of a wider review of the overall ESGF system** which is underway, reappraising it in the light of **technological developments** and the **changing needs of the user community**. The meeting was deliberately organized as a smaller focused-event with around twenty participants and with a flexible programme designed to encourage discussion and active participation.

There were four main themes: **user experience**, **data repositories and management**, **system administration** and **the development of dedicated compute services**. There were a range of new proposals for changes and improvements to the system and a roadmap of tasks identified.

The initial goal will be to prepare **a new release of the container-based installation ready for the IS-ENES General Assembly (25-27 March)**. A **full report on the meeting findings** is being prepared and will also be ready at that time. See more.

2nd WP10 Coding Sprint Workshop (5-7 February)

A **second WP10 Coding Sprint**, focused on the Climate4Impact portal developments, will be held from the 5th to the 7th of February. It will be hosted at **CERFACS in Toulouse** and reunite all institutions from the work package. It follows the first WP10 coding sprint which was organized at KNMI, de Bilt (Netherlands) from June 18th to 21st, in collaboration with the DARE project.

Virtual Workshop on Compute and Analytics (2 Dec.)

The **IS-ENES3/ESGF Virtual Workshop on Compute and Analytics**, organized in close collaboration with the Earth System Grid Federation international effort, was held on December 2nd, 2019. It focused on **users' requirements, solutions, gaps and challenges about the compute and analytics services in the climate change domains**. The workshop gathered **25 participants** around talks delivered by CMCC, UKRI, IPSL, DKRZ, CERFACS, CRIM, NASA, LNLL, NCI. The main outcome of the workshop will be documented into a final report on "*Compute service requirements and state of the art approaches*" (planned for February 2020).

Find all presentations on the webpage event.

Results of the first IS-ENES3 call

for Transnational Access to Analysis Platforms for CMIP6 and CORDEX

The new IS-ENES3 server-side service "Analysis Platforms for CMIP6 and CORDEX" was announced on **Sept. 16th**, with a deadline for applications on **Dec. 15th**. We received **11 applications** from which two passed the administrative, technical, scientific, and project evaluation. One is from the **Irish Centre for High-End Computing (ICHEC)** with title "*High-resolution coupled atmosphere-ocean-wave regional climate projections for Ireland*" and it is currently accessing the **DKRZ resources**. The other is from the **Research center for environmental changes of Academia Sinica (Taiwan)** with the **Geophysical Institute of the University of Bergen (Norway)** with title "*Evaluating future impacts of extreme weather systems in East Asia and Taiwan with CMIP6*" and it will access **STFC JASMIN-CEDA resources**. This access ends on June the 15th.

The next deadline is on May 31th for an access to IPSL, CMCC, DKRZ, and STFC JAMSIN-CEDA from June to December 2020.

Results of the IS-ENES3 2nd call for an OASIS Dedicated User Support

Opened from **Sept. 6th to Dec. 15th**, the IS-ENES3 2nd call for an OASIS Dedicated User Support has selected three beneficiaries: **BTU Cottbus and Geomar Kiel** (Germany), and **NERSC Bergen** (Norway). During one month each, from April to September, they will benefit from a technical help at their own site to design, upgrade or enhance the implementation of an OASIS3-MCT interface in their model(s) and/or set up a tailored and computationally efficient coupled system. Provided by **CERFACS**, this service is **open to any climate research laboratory in Europe**.
The next call will be opened in October 2020.

Find the summary of the 2019 OASIS dedicated support here.

New milestones achieved!

4 Milestones has been released in **December 2019** and **January 2020**!

M2.2 – Innovation Plan
M4.1 – Development strategy workshop for European Platform for Sea Ice modelling
M8.1 – A set of unit tests for XIOS
M8.2 – Cylc/Rose development priorities agreed

Other Events

ESIWACE: 6th ENES HPC workshop (25-26 May 2020)

ESiWACE is organizing the **6th ENES Workshop on High Performance Computing for Climate and Weather** in **Hamburg** (Germany) on May 25th and 26th, 2020.

This workshop of the European Network for Earth System modelling (ENES) will bring together experts on HPC in earth system modeling at the beautiful Elb-Panorama in Hamburg.

Building on the previous ENES HPC workshops (Lecce, 2011 & 2018; Toulouse, 2013 & 2016; Hamburg, 2014), the talks will be structured in four sessions, which are **very high-resolution modeling, performance portability, machine learning for parameterization schemes, challenges in exascale data processing and visualization**.

See more on the ESiWACE website.

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Contact US

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