

IS-ENES3 Milestone M1.3

IS-ENES3 Virtual First General Assembly

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ABSTRACT

The virtual IS-ENES3 First General Assembly took place from the 25th to 27th of March 2020. The milestones M1.3 describes its organization, structure and main outcomes.



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1. Objectives

The IS-ENES3 1st General Assembly is a key step in the lifetime of the project. The consortium is gathered to discuss the actions achieved during the first year of the project (2019 and beyond), identify the main obstacles to the implementation of the Description of Work and the next steps for the continuation of the project.

2. Description of the Kick-off meeting program

The 1st General Assembly was originally planned to take place at the Centre International de Conférences in Toulouse, from the 25th to the 27th of March 2020. In order to reduce the event carbon footprint and attract a large number of participants, a whole “IS-ENES3 week” was planned in the same venue. The 5th Workshop on Coupling technologies for Earth System Models (WP8) and the 9th ESGF Face-to-Face Conference (co-organised with the Lawrence Livermore National Laboratory and Météo-France) were planned in parallel from the 23rd to 25th of March 2020. The IS-ENES3 1st General Assembly was planned to start on the 25th afternoon, once the two previous workshops would have ended, so that participants from both workshops could attend the first session of the General Assembly. This first session was thought to be general and of interest to external participants, as well as meant to foster discussions with the American climate researchers on the role of the IS-ENES infrastructure at the climate research world level.

The WP1 worked closely with Météo-France, the WP8 leaders and the LLNL to organise and coordinate the three events to foster as much discussions as possible: booking of several rooms for break-out groups, set-up of a videoconference system, set-up of poster and demonstration sessions, coffee breaks and lunchtime planned at the same slot times for both events to allow people to interact.

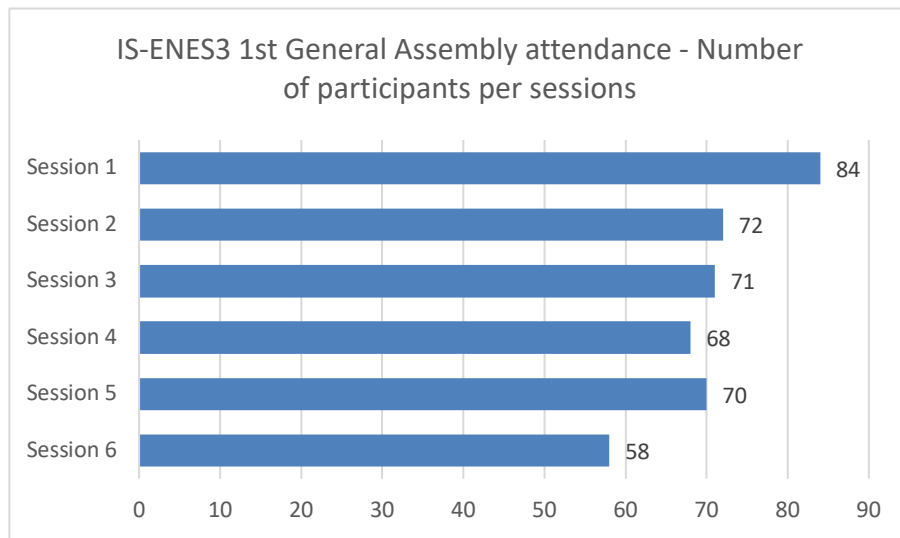
Unfortunately, because of the spread of the Covid-19 pandemic in Europe, Météo-France had to cancel any events planned in its venue for safety reasons. On March 4th, we were informed by the Scientific Director of Météo-France that the three events could no longer be held in Toulouse. The WP1 thus made the decision to turn the 1st General Assembly into a virtual meeting, since the duration of this “force

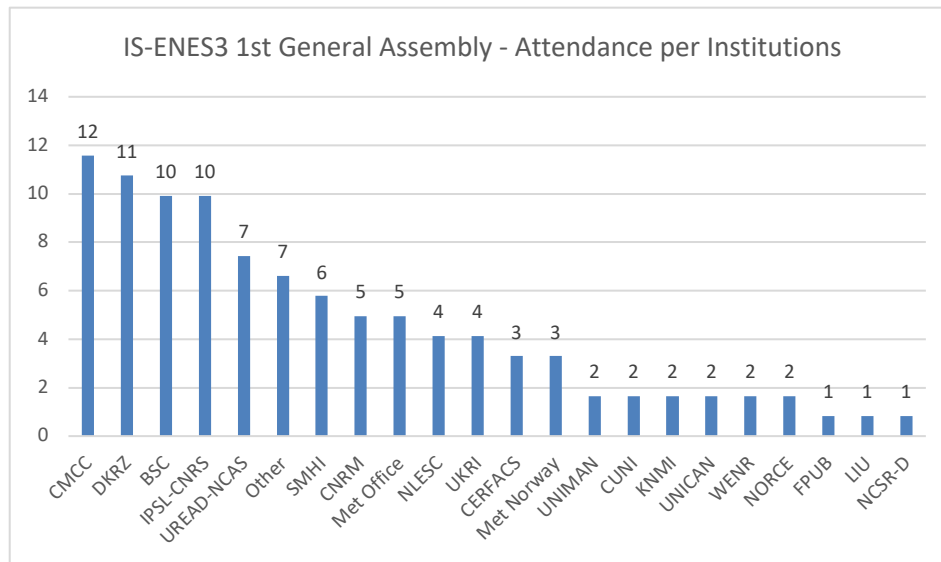
majeure” situation could not be determined. The agenda was reorganised to fit the standards of a virtual meeting, and to facilitate discussions that usually happen around coffee breaks in physical meetings, while keeping the general structure initially thought of for Toulouse. The agenda was on a Google document, integrating the last-minute changes that could occur during the meeting (connections details, time slots...).

The general structure of the 1st General Assembly was the following:

- Session 1: Integration and sustainability
- Session 2: Data, Metadata and other software
- Session 3: Models, Tools and HPC
- Session 4: Model Evaluation
- Session 5: Cross-WP issues discussions
- Session 6: “Around coffee” parallel discussions

The partners were encouraged to attend the Session 1, which is of interest to the whole consortium, and to attend at least one of the Session 2, 3 or 4, depending on the topic they are involved in. It appeared that the consortium expressed a strong interest in the entire project activities, given the high attendance rate of the four sessions.





The general sessions were organised through the visioconference tool GoToMeeting, managed by the WP1, which ran smoothly during the three days. In order to foster discussion, the WP1 prepared a Google document per session, accessible and editable by all participants, on which they could ask their questions and write comments. Therefore, multiple written conversations took place in parallel with presentations, and it proved to be a very efficient tool, that will likely be kept even for future physical meetings. All presentations were accessible to the participants in a specific Google folder during the event.

As in the Kick-off meeting, the WPL had prepared some slides presenting the work achieved during RP1 – as well as the next steps for RP2 – for their WP, presented during the corresponding sessions. Those “WP debriefing slides” were followed by some presentations on some IS-ENES3 highlights during RP1. At the end of each of the general sessions (Session 1 to Session 4), the cross-WP issues and the “Around coffee” discussions that would be discussed during Session 5-6 (Friday 27th) were introduced during 10 minutes so the participants could decide which discussion to join.

Indeed, half of the last day (March 27th) was dedicated to breakout groups discussions around cross-WP topics, and the other half to various general topics requested by the partners. Each discussion was organised by the work-package leader or the person responsible for the topic, with the videoconference tool of his or her choice, and the participants were free to join whichever they prefer.

In total, **121 persons** attended at least one of the sessions during the three days.

This virtual 1st General Assembly has been greatly beneficial to the project since it allowed the different WP to actively interact between each other and gave to the partners a detailed overview of the work achieved so far in the project. The different discussions allowed the consortium to list the issues that need to be tackled, as well as the next steps to take to implement the planned work for the next remaining 2 years ½.

The presentations are available on the official project website: <https://is.enes.org/events/workshops/is-enes3-first-general-assembly>



IS-ENES3 Virtual First General Assembly - Agenda

25 – 27 March, 2020

Due to safety reasons with regards to COVID-19, the General Assembly will be virtual.

All hours are expressed in CET (Paris Time)

Wednesday 25th March

10h – Start of the meeting

10h-13h Session 1: Integration and sustainability

Project information

Moderator : Bryan Lawrence

10h-10h15 Overview of IS-ENES3 - *Sylvie Joussaume & Bryan Lawrence*

10h15-10h20 Discussion

Sustainability

Moderator : Bryan Lawrence

10h20-10h35 Introduction to sustainability (WP2-NA1) - *Michael Lautenschlager, Fanny Adloff*

10h35-10h50 Discussion

User engagement

Moderator : Bryan Lawrence

10h50-11h00 Introduction to user engagement – *Janette Bessembinder, Eric Guilyardi*

11h00-11h15 Downstream data usage – *Janette Bessembinder*

11h15-11h30 Discussion

11h30-11h45 *Coffee break*

Wednesday 25th March (cont.)

Innovation

Moderator: Sylvie Joussaume

11h45-12h05 Introduction to innovation (including Copernicus C3S) - *Martin Juckes, Fanny Adloff*

12h05-12h20 Discussion



Grant Agreement issues

Moderator: Sylvie Joussaume

12h20-12h30 Preparing the RP1 report – *Sophie Morellon*

Topic of general interest

Moderator: Sylvie Joussaume

12h30-12h40 Autumn data school – *Judith Klostermann*

12h40-12h50 Carbon Footprint working group – *Sophie Valcke et al.*

12h50-13h Introducing other “Around Coffee” parallel sessions

13h-14h30 *Lunch break*

14h30-17h30 Session 2: Data, metadata and other software

Project information

Moderator: Michael Lautenschlager

14h30-14h45 WP debriefings: WP5-NA4, WP7-VA2, WP10-JRA3 – *Phil Kershaw, Klaus Zimmermann, Stephan Kindermann, Wim Som de Cerff, Sandro Fiore, Christian Pagé*

14h45-14h55 Questions

Project highlights

Moderator: Michael Lautenschlager

14h55-15h10 Status of ESGF for CMIP6 - *Stephan Kindermann*

15h10-15h25 Status of ESDOC for CMIP6 - *David Hassell*

15h25-15h40 Perspectives on possible Future architecture for ESGF - *Phil Kershaw*

15h40-15h55 Perspectives on compute services for ESGF - *Sandro Fiore*

15h55-16h15 Discussion

16h15-16h35 *Coffee break*

Wednesday 25th March (cont.)

Cross-workpackage issues and introduction to breakout groups

Moderators: Phil Kershaw, Sandro Fiore and Stephan Kindermann

16h35-16h45 Data, metadata and other data software: presentation of cross-workpackages issues

16h45-17h15 Discussion

17h15-17h25 Introducing other parallel “Around coffee” sessions (climate indices + ES-DOC)



Thursday 26th March

10h-13h In parallel with the Session 3: Autumn Data School discussion

Judith Klostermann, Janette Bessembinder

10h-13h Session 3: Models, Tools and HPC

Project information

Moderator: Italo Epicoco

10h-10h15 WP debriefings: WP4-NA3, WP6-VA1, WP8-JRA1 – *Jean-Christophe Rioual, Mario Acosta, Uwe Fladrich, Eric Maisonnave, Sophie Valcke, Italo Epicoco*

10h15-10h25 Questions

Project highlights: Tools

Moderator: Italo Epicoco

10h25-10h35 Cylc and Rose: Latest news - *Dave Matthews*

10h35-10h45 XIOS: where are we and example of use -*Yann Meurdesoif* **10h45-10h55** OASIS3-MCT latest news - *Sophie Valcke*

10h55-11h05 Discussion

11h05-11h20 *Coffee break*

Project highlights (cont.): Models and HPC

Moderator: Jean-Christophe Rioual

11h20-11h35 European sea ice modelling integrated initiative - *Ed Blockley*

11h35-11h50 NEMO: improving performance results from IS-ENES3 and other projects (ESiWACE2, IMMERSE) - *Italo Epicoco*

11h50-12h05 Model performance: results for CMIP6 - *Mario Acosta*

12h05-12h20 Discussion

Cross-workpackage issues and introduction to breakout groups

Moderator: Mario Acosta

12h20-12h30 - Models, tools, HPC: presentation of cross-workpackages issues - *Sophie Valcke*

12h30-12h45 Innovation for “Models, Tools and HPC” - *Graham Riley*

12h45-13h Machine learning/AI - *Graham Riley*

13h-14h30 *Lunch break*



14h30-17h30 Session 4: Model Evaluation

Project information

Moderator: Kim Serradell

14h30-14h50 WP debriefings: WP3-NA2, WP5-NA4, WP6-VA1, WP7-VA2, WP9-JRA2 – *Eric Guilyardi, Klaus Zimmermann, Uwe Fladrich, Stephan Kindermann, Björn Brötz, Kim Serradell*
14h50-15h05 Questions

Project highlights

Moderator: Kim Serradell

15h05-15h25 ESMValTool (IS-ENES3 and CRESCENDO) - *Björn Brötz*

15h25-15h40 Update on interfacing the CLIVAR ENSO package with ESMValTool - *Eric Guilyardi, Javier Vegas-Regidor, Kim Serradell, Yann Planton*

15h40-15h55 Discussion

15h55-16h10 *Coffee break*

Cross-workpackage issues and introduction to breakout groups

Moderator: Björn Brötz

16h10-16h20 Model Evaluation: Presentation of cross-workpackage issues

16h20-17h20 Discussion

17h20-17h30 Introducing other parallel “Around coffee” sessions



Friday 27th March

10h-13h Session 5: Cross-WP issue discussions

- Data, metadata and other software

10h-11h Model Evaluation, C4I and link with the Compute Service - Björn Brötz, Christian Pagé

11h-12h ENES CDI - Sandro Fiore, Stephan Kindermann

12h-13h ESGF Future Architecture - Phil Kershaw

- Models, tools and HPC

10h-11h30 XIOS benchmarks - Sophie Valcke, Mario Acosta

11h30-13h Computational evaluation of ESMs, including coupling issues (LUCIA) and energy consumption - Mario Acosta

13h-14h30 *Lunch break*

14h/14h30-16h/16h30 Session 6: "Around coffee" parallel discussions

- **14h30-16h** Carbon footprint group - *Sophie Valcke*
- **14:30h-15h15** Copernicus and climate projections - *Martin Juckes*
- **15h15-16h30** Climate indices standards - *Lars Bärring, Christian Pagé*