

IS-ENES3 Milestone M1.5

IS-ENES3 Final General Assembly

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ABSTRACT

The IS-ENES3 final General Assembly took place from the 16th to 18th of January 2023. The milestones M1.5 describes its organization, structure and main outcomes.



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1. Objectives

The IS-ENES3 final General Assembly aims for the consortium to assess the work achieved during the 4-year project lifetime, discuss the results and especially the continuation of the partners collaboration within an ENES Research Infrastructure.

2. Description of the final General Assembly meeting program

- An hybrid conference

The final General Assembly was organised from Monday 16th to Wednesday 18th of January 2023 in an hybrid format in order to be as inclusive as possible, although participants were strongly encouraged to attend onsite. After 3 years of Covid-19 which prevented physical meetings, it was a great opportunity for the partners to meet again for discussions in a venue. The event took place at the International Center of Conference of Météo-France, based in Toulouse, a convenient venue with an amphitheatre and smaller meeting rooms fully equipped with high-quality videoconference systems.

In order to foster discussions for each presentation, some Q&A Google documents, editable by all, were circulated among onsite and online participants. Although this was a practice implemented during previous virtual General Assembly, this tool was an efficient one to allow everyone to participate and to help moderation through a more structured discussion. All presentations were accessible to the participants in a specific Google folder during the event.

Since the General Assembly programme was not structured according to Work-packages – but rather by themes, focusing on the 4-year achievements instead of the RP3 ones – the Work-package leaders prepared some slides to explicit the results and work advancement specific to RP3. Those were accessible to all the consortium within the Google document.

In total, **40 persons** attended the General Assembly onsite, and about **30** attended online.

- **The General Assembly programme and main outcomes**

The event was planned on two days, which allowed to cover many different topics. Given that the project comes nearly to its end (March 2023), the emphasis was put on the project overall results in its two main themes – Models, tools and HPC; Data and metadata - as well on the future of the collaboration (Sustainability, Strategy, European and international landscape for the partners future collaboration). A 45-minutes session was dedicated to the history and achievements of IS-ENES, whom first phase started back in 2009.

The general structure of the final General Assembly was the following:

- Monday 16th: Achievements in Models, Tools and HPC (Obj. 2); in Data, Metadata and other software (+ Model Evaluation) (Obj. 3)
- Tuesday 17th: Integration, Sustainability, and Strategy (Obj. 1), including break-out groups on the ENES-RI and future collaboration
- Wednesday 18th: Introducing new ESM projects + What's next ? IS-ENES in the European and international landscape

The Monday 16th sessions, which highlighted the main achievements in various topics within the two main themes, will feed the content of the final periodic report, due end of May 2023.

The Tuesday session dedicated to the enlargements of user base through trainings and schools, after establishing an overview of the activities organised during IS-ENES3, raised discussions regarding the strengthening and continuation of the collaboration with Eastern Europe started during the project, as well as the continuation of trainings after the project, essential to the user community.

The session on Sustainability was a strategic and important one, since it concerns the overall maintenance of the architecture and collaboration built through the different phases of IS-ENES. One key element is that all partners strongly agreed in the need to maintain the collaborative work during the transition phase between the end of IS-ENES3 and the start of the ENES Research Infrastructure (ENES-RI). This means maintaining regular task force meetings (Data Task force and HPC task force), preparing the ENES-RI and as well as organising some diverse activities.

The session on Strategy was an occasion for the WP2 to share the first elements and recommendations of the Strategy document draft with the whole consortium, and ask for some feedback.

Finally, the last day emphasised the importance of pursuing ENES-RI beyond IS-ENES3 in order to coordinate all the activities developed within a complex European landscape, in interaction with various European scientific projects (such as EERIE or OptiESM), in the framework of the EOSC projects, or in the scope of collaborations with EUDAT and EGI.

- **Conclusion**

This final General Assembly was an important event in the project lifetime since it allowed discussions and fostered momentum regarding the partners future collaboration after IS-ENES3.

After the General Assembly started simultaneously the 6th Workshop on Coupling Technologies for Earth System Models¹ (18th-20th Jan.) and the International Hybrid ESGF Conference Toulouse/Oak Ridge (18th-19th Jan.)² in the same venue, so that participants to the General Assembly could also attend these events.

The presentations are available on the official project website³.



Group picture of the IS-ENES3 Final General Assembly

¹ <https://is.enes.org/workshops-detailed/#cw2023>

² <https://is.enes.org/workshops-detailed/#esgf2023>

³ <https://is.enes.org/workshops-detailed/#final-ga>

IS-ENES3 Final General Assembly – Agenda

16 – 18 January, 2023

All hours are expressed in CET (Paris Time)

Connection details will be sent to registered participants before the workshop

Centre International de Conférences
42 Avenue Gaspard Coriolis
31100 Toulouse
Amphitheater
HYBRID

Monday, January 16th

12:30-13:15 – Welcome coffee

13:15-13:30 Welcome and short introduction

Overview - *Sylvie Joussaume, Bryan Lawrence (15 min)*

13:30-15:30 Obj. 2 – Models, tools and HPC (incl. Evaluation tools)

Moderators: Jean-Christophe Rioual

For all topics: Main achievements, where are we at the end of IS-ENES3 and plans for the future

Software tools: OASIS, XIOS and Cylc – *Sophie Valcke (10 min)*

NEMO sea ice – *Ed Blockley, Martin Vancopenolle (10 min)*

CPMIP: Synthesis and main lessons for CMIP7 – *Mario Acosta, Jean-Claude André (10 min)*

NEMO performance – *Italo Epicoco, NEMO HPC WG (10 min)*

ESMValTool – *Rémi Kazeroni, Saskia Loosveldt (10 min)*

Services on models and tools: legacy for ENES-RI – *Uwe Fladrich, Eric Maisonnave (10 min)*

Discussion (1h)

15:30-16:00 – Coffee break

16:00-18:00 Obj. 3 – Exploitation of model data

Moderators: Klaus Zimmermann

For all topics: Main achievements, where are we at the end of IS-ENES3 and plans for the future

ESGF: Main achievements for CMIP6, main evolutions and towards CMIP7 – *Phil Kershaw, Paola Nassisi (10 min)*

Development of analytics services – *Stephan Kindermann (10 min)*

Supporting standards for CF and Data Request – *Martin Juckes, Antonio Cofino (10 min)*

ES-DOC: metadata and errata service – *David Hassel, Guillaume Levavasseur, Atef Ben Nasser (10 min)*

Climate4impact portal – *Alessandro Spinuso, Christian Pagé (10 min)*

Climate indices – *Christian Pagé (10 min)*

Discussion (1h)



Tuesday, January 17th

9:00-9:30 – Welcome coffee

9:30-11:30 **Obj. 1 - Integration, sustainability and strategy**

Moderators: Sylvie Joussaume

9:30-10:20 Enlarging the user base: main achievements from trainings and schools – lessons for the future – *Janette Bessembinder, Peter Siegmund and Vladimir Djurdjevic (20 min)*

Discussion (30 min)

10:20-11:20 Sustainable infrastructure: towards ENES-RI – *Fanny Adloff, Michael Lautenschlager (20 min)*

Discussion (40 min)

11:20-11:50 – Coffee break

11:50-13:00 **Breakout groups**

From IS-ENES3 achievements to ENES-RI and future collaboration

- *Models, Tools & HPC + Evaluation - Sophie V., Jean-Christophe R., Rémi K. (moderators)*
- *Data & Metadata – Philip K., Paola N., Stephan K. (moderators)*

13:00-14:30 – Lunch break

14:30-15:15 **Legacy from IS-ENES1 to IS-ENES3**

15:15-17:30 **Obj. 1 - Integration, sustainability and strategy (cont.)**

Moderators: Fanny Adloff

15:15-16:00 Strategy: elements and discussion on recommendations – *Bryan Lawrence*

Discussion

16:00-16:15 – Coffee break

16:15-17:15 Strategy discussion (cont.)

18:30 - Toulouse sightseeing

20:00 - Social Dinner



Wednesday, January 18th

9:00-9:20 – Welcome coffee

Moderator: Sophie Valcke

9:20-10:05 **Introducing new ESM projects**

OptimESM – *Torben Königk (remotely, 15 min)*

EERIE – *Malcolm Roberts (remotely, 15 min)*

Questions (15 min)

10:05-10:50 **What's next? IS-ENES in the European and international landscape**

Preparing CMIP7: task groups/info from the WIP – *Martin Juckes (10 min)*

Copernicus C3S – *Guillaume Levavasseur (10 min)*

Climateurope2 – *Christian Pagé, Alessandro Spinuso (10 min)*

Questions (15 min)

10:50-11:15 Coffee break

Moderator: Bryan Lawrence

11:15-12:30 **What's next? IS-ENES in the European and international landscape (cont.)**

EGI collaboration with IS-ENES – *Tiziana Ferrari (remotely, 15 min)*

IS-ENES collaboration with EUDAT and some EOSC projects – *Hannes Thiemann & Stephan Kindermann (Hannes remotely, 15 min)*

Questions (15 min)

From ESIWACE2 to ESIWACE3 – *Mario Acosta (15 min)*

Questions (10 min)

12:30-13:00 **Preparing the RP3 and main outcome report**

Debriefing from BoGs (20 min)

RP3 Reporting - *Sophie Morellon (10 min)*

13:00 *End of the Final General Assembly*

13:00-14:00 Lunch

14:00-14:30 Joint welcome coffee with Coupling workshop and ESGF