

Horizon Europe project DEEP PPU



Photo from the DEEP PPU consortium meeting - consortium, EU representatives and reviewers.

Greetings from DEEP PPU team

How time has flown! It's been a whole year since we embarked on the Horizon DEEP PPU project's implementation. Through this newsletter, we aim to offer you a brief overview of the progress made over the past year and how we've moved closer to achieving our project's objectives.

Issue 1 | October 2023

WHAT'S NEW?

1st webinar 2

1st milestone 2

Events, presentations
and publications 3

Coming soon.....5

Connect 6

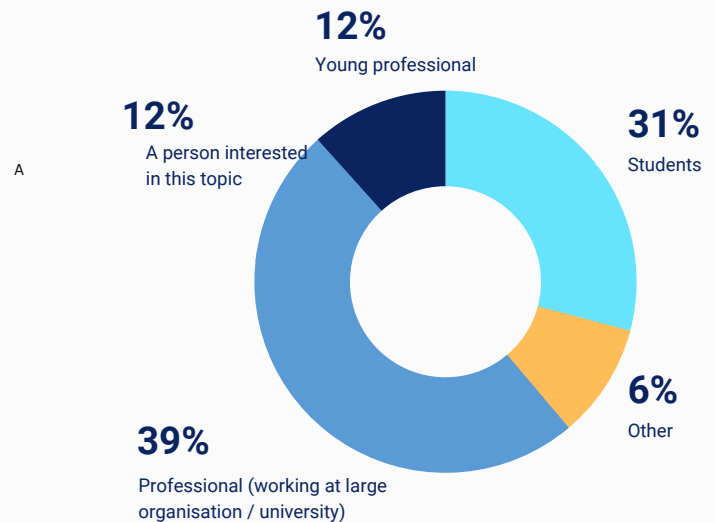
1st webinar hosted

We have successfully organised our first webinar together with Horizon Europe project DEEP PPU team.

We are pleased to receive a lot of positive feedback as well as great suggestions for our next webinars and other communication and dissemination activities.

Videos & presentations

SOME FACTS & FIGURES ABOUT OUR WEBINAR



6

Speakers

27

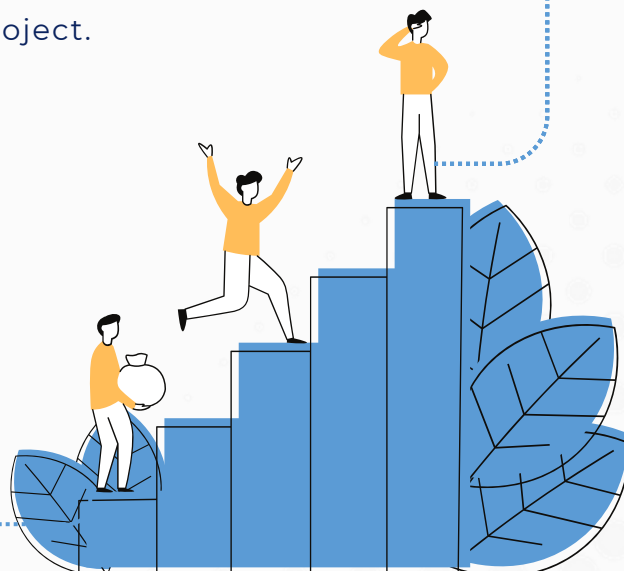
Countries represented

102

Participants

The 1st milestone reached

Horizon Europe project DEEP PPU partners presented the preliminary architecture to reviewers in a Preliminary Design Review at Montmirail (FRANCE). The consortium faces now the challenge of the detailed design phase of the project.



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Our consortium partners have also shared DEEP PPU project's goals and achievements with stakeholders in various events

EPIC workshop

The EPIC workshop in Naples, Italy, May 2023 was attended by Fabien Malet from Airbus and Javier Torres from Airbus Crisa, along with 150 participants, including SMEs, industry professionals, and scientific researchers.

XV CEI Annual Meeting

The event was organized by the Horizon Europe project DEEP PPU consortium partner Polytechnic University of Madrid (Centro de Electronica Industrial), with the participation of DEEP PPU consortium partner Airbus Crisa, whose representative gave a presentation on the 1st of June during the plenary session. In previous years, the main objective of the event had been to present the CEI activities related to both industrial and academic partners. Therefore, the Annual Meeting served as an interesting networking space and a place to learn and meet colleagues and partners. The XV CEI Annual Meeting, titled "Enabling Electronic Technologies for the New Challenges in Space," took place from the 1st to the 2nd of June in 2023, with 90 participants in attendance.

"Horizon Europe: Latvia's path to scientific excellence"

On September 13, 2023, in Riga, Latvia, the event titled "Horizon Europe: Latvia's path to scientific excellence" took place. The aim of the event had been to discuss Latvia's participation in EU-funded projects and to showcase projects that organizations in Latvia had implemented. WIT Berry, represented by Linda Kimeisa and Guna Valtere, was one of the five organizations that had been invited to present WIT Berry's projects and achievements.



DEEP PPU consortium partners UPM and Airbus Crisa participated in the European Space Power Conference (ESPC 2023) in Elche, Spain (October 2023)

This conference is organized by the European Space Agency (ESA) with the participation of all the European space sector: industry, research centres and European universities. It was a very exciting event, participating about 450 attendees, mostly European but also some international representation. The consortium partners submitted and presented three papers during this event.

Polytechnic University of Madrid presented two papers showing the main research challenges and the progress of the DEEP PPU project with respect to the Radio Frequency Generator for the thruster based on Gridded Ion Technology:

- Power Propulsion Unit: topology comparison based on GaN semiconductors
- Analysis and Design of a Radio Frequency Generator for Gridded Ion Technology Thruster

Airbus Crisa presented a total of 6 papers, one of them covering the development of the DEEP PPU project, where the company gave an overview of the architectures and technologies being used, as well as how the PPU is expected to fit in the electric propulsion market. The multi-technology approach of the development and its attractive performances generated a great response within the audience.

- Analysis and Design of a Radio Frequency Generator for Gridded Ion Technology Thruster



From the left Guillermo Nunez from Polytechnic University of Madrid, Javier Torres from Airbus Crisa and Pedro Alou from Polytechnic University of Madrid.

[Learn more](#)



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Free webinar for star-ups and SMEs in space sector

Unlocking the stars: Your path to space collaboration

This webinar is your key to understanding how to navigate the complex world of space collaboration and stand out as a potential partner and demonstrate your competence and capabilities to European space industry leaders!

What to Expect?



Insights from
industry leaders



Insights from
industry leaders



Avoiding
Pitfalls

When? 21.11.2023 at 16:00 - 17:00 (CET)

Where? Online - Webex

[Save the date!](#)



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Do not hesitate!

If you have any questions or suggestions to our team,
do not hesitate to contact us **info@deepppu.eu!**

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DEEP PPU Consortium

Airbus Crisa



AIRBUS

WITBerry
CREATIVE STRATEGY



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