

# Newsletter

## GREEN, ORGANIC AND PRINTED ULTRA-HIGH FREQUENCY IDENTIFICATION TAGS



GRETA



Kick-off meeting in Milan, Italy

### MEETINGS

- 1 kick-off meeting
- 1 project management meeting
- 1 meeting of the Responsible electronics portfolio

### DISSEMINATION

- Horizon of Innovations forum
- DFM winter workshop

### INVITED TALK

- MRS Fall meeting 2025

### PUBLICATIONS

- 2 journal publications

European  
Innovation  
Council

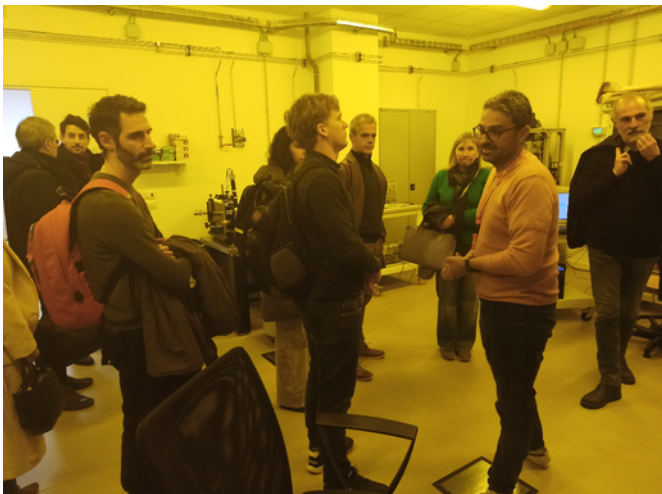


Funded by  
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# MEETINGS

## THE KICK-OFF MEETING

The Kick-off meeting of the GRETA project was organized on January 23-24, 2025, in Milan, Italy.



# MEETING OF THE PORTFOLIO RESPONSIBLE ELECTRONICS

On February 18, 2025, the first in-person meeting of the Portfolio Responsible Electronics, within the HORIZON-EIC-2023-PATHFINDERCHALLENGES-01 framework, took place at Eindhoven University of Technology (TU/e), The Netherlands.

During the meeting, Dr. Mario Caironi, Coordinator of the GRETA Project, presented the project's vision and goals. Additionally, a dedicated poster provided an overview of key aspects, summarizing the most important information about the project.

This meeting served as an essential platform for collaboration, discussion, and knowledge exchange among experts working on responsible and sustainable electronics.



# GRETA SECOND IN-PERSON MEETING

On 23–24 June 2025, the GRETA project held a management meeting in Liège, Belgium, during which the partners reviewed the progress achieved in each work package, discussed ongoing activities and upcoming deliverables, and aligned on the next steps in project implementation.



## HORIZONS OF INNOVATION - EU RESEARCH COLLABORATION FORUM

The Horizons of Innovation - EU Research Collaboration Forum brought together researchers, innovators, and institutional representatives from across Europe and the Western Balkans for a full day of knowledge exchange and networking on December 2, 2025. The event served as a dynamic platform for discussing emerging trends, building partnerships, and transforming research ideas into practical impact.

During the event, the GRETA project was highlighted through two poster presentations and an interactive session. The first poster, authored by Sohail Sarang and Goran Stojanović, was titled **Towards Green and Flexible Ultra-High Frequency Identification Tags**. The second poster, prepared by Robert Szabi, Luka Nikolić, Sohail Sarang, Abubakar Sharif, Michael Driberg, and Goran Stojanović, presented **Textile-Based Green Energy Assisted UHF RFID Tag with Enhanced Read Range**.



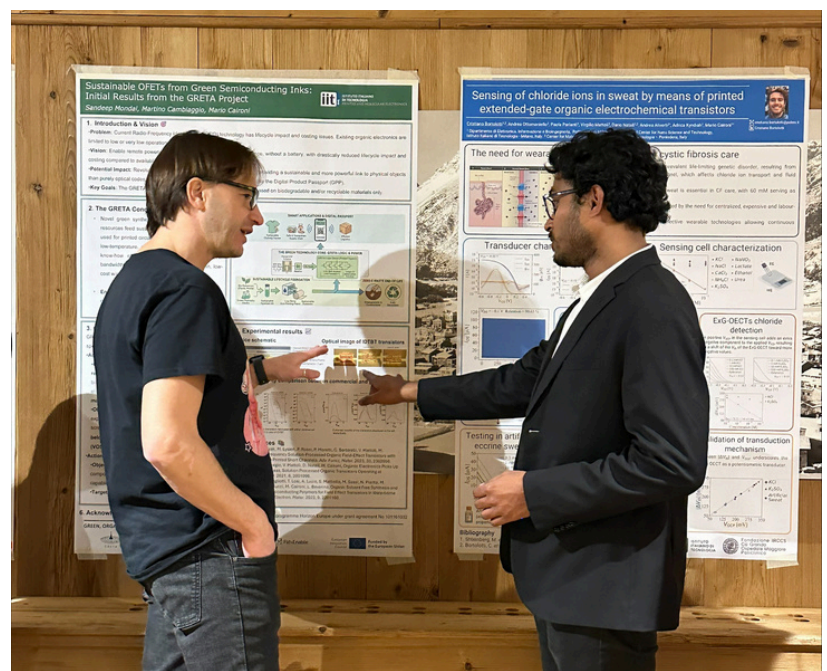
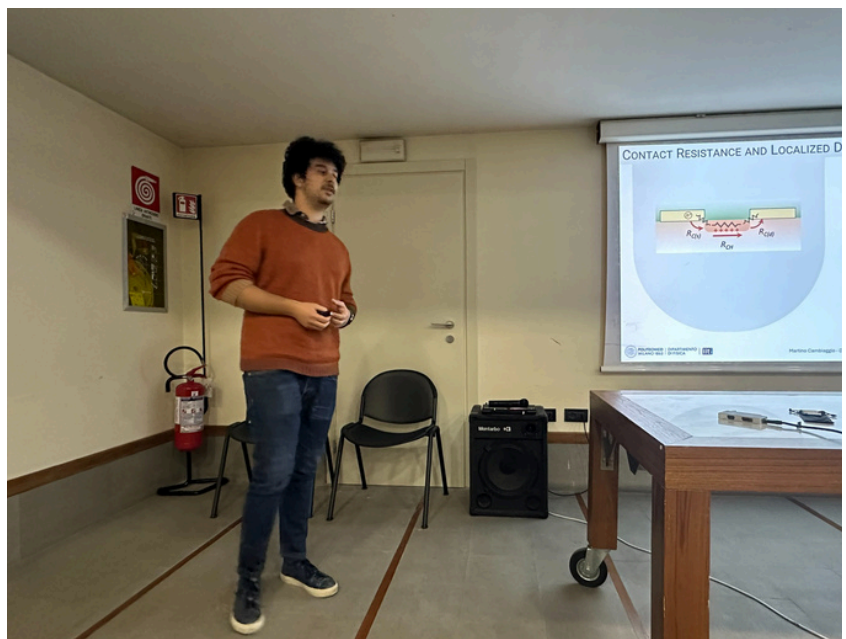
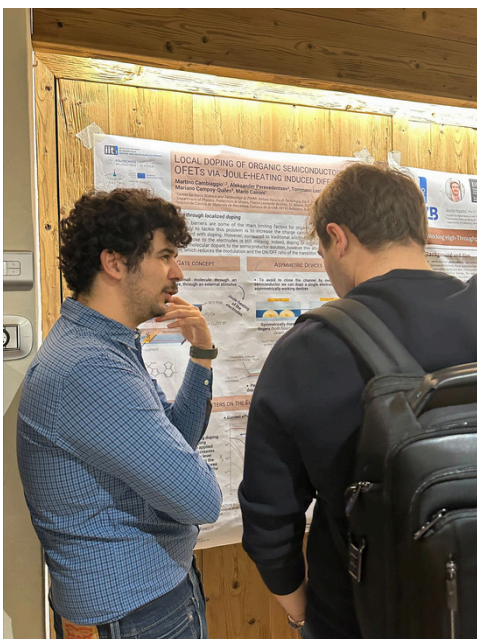
In addition to the posters, GRETA was featured in an interactive session led by Dr. Sohail Sarang, who presented Paper-Based Antennas and RFID Technologies. With over 30 participants in attendance, Dr. Sarang introduced the fundamentals of RFID technology, its market potential, and the principles behind antenna design and conventional RFID tag antennas. He also outlined the motivation and vision behind the GRETA project, showcased textile-based green energy assisted RFID tags, and discussed the project's future direction.



# POSTER PRESENTATION AT DFM WINTER WORKSHOP 2025

From December 14 to 19, 2025, Sandeep Kumar Mondal and Martino Cambiaggio presented poster contributions at the DFM Winter Workshop 2025, held in Bormio, Italy.

Their posters showcased their respective research projects carried out within the GRETA project and were presented to an international audience of approximately 100 workshop participants, fostering scientific exchange and discussion.



## MRS FALL MEETING 2025

On December 2, 2025, the GRETA project coordinator Mario Caironi was invited to deliver an invited talk at the MRS Fall Meeting 2025, held in Boston, USA.

The presentation, entitled “Towards printed organic transistors operating at ultra-high frequencies”, provided an overview of the current state of the field, recent research progress, and future perspectives in the development of printed organic transistors for high-frequency applications.





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