

Welcome to the PREDICT-6G newsletter!

We foresee to change the networking paradigm by creating a deterministic 6G network:
reliable, time sensitive and predictable.
How are we doing it? Keep reading!

PREDICT-6G at EuCNC & Final Event



The [2025 EuCNC & 6G Summit](#) took place from 3 to 6 of June in Poznan, Poland. It brought together cutting-edge research and world-renowned industries and businesses.

PREDICT-6G participation marked its third consecutive year at the EuCNC & 6G Summit. This edition was especially important as **it hosted PREDICT-6G's final event**, marking the end of two and a half years of intensive research, development and collaboration within the Horizon Europe SNS JU.

Throughout the four-day event, PREDICT-6G was well represented in various activities and sessions. The project shared an exhibition booth with [DESIRE6G](#) and [MultiX](#), providing

attendees with a hands-on overview of some of the **most impactful technologies developed within the project.**

[Discover more](#)

SCIENTIFIC CONTRIBUTIONS



Deliverable 2.4 Implementation of selected release 2 PREDICT-6G MDP innovations

In early May 2025, the PREDICT-6G consortium released a new deliverable: D2.4 Implementation of selected release 2 PREDICT-6G MDP innovations.

This document includes the final implementations of the MDP innovations selected from D2.3. As part of this document, the code to provide determinism in the data plane for different domains is also delivered. Previous deliverables can be consulted here: [D2.3](#), [D2.2](#) and [D2.1](#).

[Read the deliverable](#)

Implementation of selected release 2 AI-driven inter- domain network control, management, and orchestration innovations

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the European Union

Deliverable 3.4 Implementation of selected release 2 AI-driven inter- domain network control, management, and orchestration innovations

In early May 2025, the PREDICT-6G consortium released a new deliverable: [D3.4 Implementation of selected release 2 AI-driven inter- domain network control, management, and orchestration innovations.](#)

This document reports the final release of the software modules of the AICP. A set of external components that can be connected to the AICP to enhance its functionalities is presented as well. The integration and validation of the different software components is provided. Finally, the implementation view and validation of the operational workflows that were defined in previous deliverables is reported.

Previous deliverables can be consulted here: [D3.1](#), [D3.2](#) and [D3.3](#).

[Read the deliverable](#)

EVENTS

The header graphic for the 6G Programmable Deterministic Webinar Series features a dark blue background with a network of glowing blue and orange nodes and lines. At the top left is the European Union flag and the text 'Funded by the European Union'. The title '6G PROGRAMMABLE DETERMINISTIC WEBINAR SERIES' is in white, followed by the main topic 'NEXT CHALLENGES FOR 6G IN DETERMINISTIC AND PROGRAMMABLE MOBILE NETWORKS' in large yellow letters. Below the title are three circular headshots of the speakers: Marc Mollà, James Gross, and Gergely Pongracz. Under each headshot is their name, affiliation, and a brief description of their topic. At the bottom, there is a date and time box, a 'REGISTER NOW' button, and logos for PREDICT-6G, DESIRE6G, and DETERMINISTIC6G.

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6G PROGRAMMABLE DETERMINISTIC WEBINAR SERIES

NEXT CHALLENGES FOR 6G IN DETERMINISTIC AND PROGRAMMABLE MOBILE NETWORKS

MARC MOLLÀ (ERICSSON)
PREDICT-6G: Determinism in multi-domain networks, challenges and future

JAMES GROSS (KTH)
Lessons from DETERMINISTIC6G and the Way Ahead for 6G

GERGELY PONGRACZ (ERICSSON HUNGARY)
Beyond DESIRE6G: from AI and cloud-native towards goal-native 6G

Date: 20 May, 2025 | Time: 10:00 am - 12:00 Am

REGISTER NOW

PREDICT-6G **DESIRE6G** **DETERMINISTIC6G**

6G-PD Webinar Series: #3 Next challenges for 6G in deterministic and programmable mobile networks - Record available

The third round of the [6G Programmable Deterministic Webinar Series](#) took place on 20 May 2025, under the title ‘Next challenges for 6G in deterministic and programmable mobile networks’.

The 6G Programmable Deterministic Webinar Series: #3 “Next challenges for 6G in deterministic and programmable mobile networks” brought together **88 participants, from researchers to industrials, across 21 different countries**. 35 SNS projects attended the webinar.

Watch the record

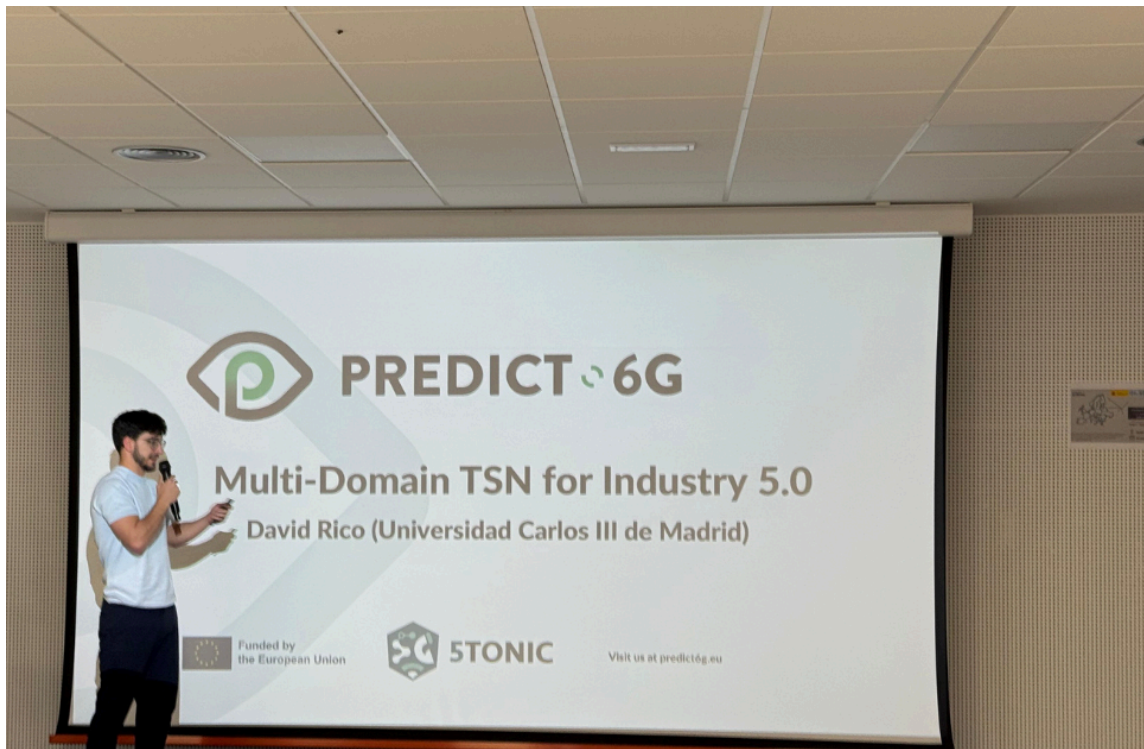


PREDICT-6G at ICT 2025

The 31st IEEE International Conference on Telecommunications ([ICT2025](#)) took place in Budva, Montenegro, on 28-29 April. This annual conference has become a **renowned gathering place for a diverse community of global researchers**, engineers and representatives of stakeholders.

Valerio Frascolla, Director of Research and Innovation at [Intel](#) and PREDICT-6G Impact Creation Leader, **represented PREDICT-6G at ITC**. He presented a **paper entitled ‘Dynamic spectrum management in multi-access systems towards 6G’**. This paper provides a survey of key innovations brought in the last ten years in the areas of both dynamic spectrum management and integration of diverse radio access technologies in heterogeneous and multi-access systems, taking into consideration also regulatory and standardisation aspects.

[Discover more & read the paper](#)



PREDICT-6G presents a demo at the Horizon Europe Cluster 4 Info Day

On 22 May, [IMDEA Networks](#), in collaboration with the Centre for the Development of Industrial Technology ([CDTI](#)), organised the [Horizon Europe Cluster 4 Info Day](#). The aim of the event was to **strengthen the participation of IMDEA Networks in Horizon Europe**, encouraging the involvement of Spanish organisations, particularly companies, in the EU Framework Programme.

David Rico, from the Universidad Carlos III de Madrid (UC3M), **presented the final results of the PREDICT-6G demonstration** titled Real-Time Gesture-Based Remote Control of a Digital Twin.

[Discover more & watch the demo](#)

CAMPAIGN

PREDICT-6G FAREWELL

With the end of the PREDICT-6G project approaching on 30 June 2025, we asked all our partners what it had been like to be part of the project for almost two and a half

years.

PREDICT-6G Farewell



“As coordinator of PREDICT-6G it has been a pleasure to form part and lead a research project which has advanced significantly the area of determinism in the upcoming 6G network. The research performed, the PoCs developed, and the advance of state of the art achieved will impact next generation networks while, at the same time, training the next generation of network researchers that will shape it. It has been great to work with such an amazing team!”

Antonio de la Oliva,
UC3M

PREDICT-6G  

PREDICT-6G Farewell



“PREDICT-6G has been an exciting journey for Atos. It has been a great opportunity for us to extend our work on MLOps and Service Automation to help the project achieve the predictability and reliability required to guarantee determinism.”

José Luis,
ATOS

PREDICT-6G  

PREDICT-6G Farewell



“Witnessing the practical application of the PREDICT-6G determinism concept across multiple sectors was enlightening. For AUSTRALO, it was rewarding to creatively translate complex project elements such as AICP or MDP into engaging content that showcased the project's achievements.”

Jessica Carneto,
AUSTRALO

PREDICT-6G  

PREDICT-6G Farewell



“The role of security for PREDICT-6G is important. Cogninn in collaboration with other partners specified secure multi-domain authentication and other security mechanisms for PREDICT-6G type of management architectures for future 6G networks.”

Fotis Foukalas,
COGNINN

PREDICT-6G  

PREDICT-6G Farewell



“The participation to the PREDICT-6G project revealed an exciting and profitable chance. In this context, the CNR team had the opportunity of practically experiencing the usefulness of topics like TSN and SDN, that were formerly only theoretically addressed, and to check the benefits they brought to the determinism requested by the project.”

Claudio Zunino,
CNR

PREDICT-6G  

PREDICT-6G Farewell



“It has been amazing to see how the PREDICT 6G determinism technologies can impact industry and society. From Ericsson's perspective, we are focused on demonstrating how mobile technologies such as 5G can transform industries that are traditionally wired and where determinism is a must.”

Miguel Ángel López,
ERICSSON

PREDICT-6G  

PREDICT-6G Farewell



“Deterministic wireless communications will be a key foundation in GESTAMP's upcoming Smart Factories, where virtualization and asset mobility will enable complete flexibility and robustness. PREDICT-6G is one step closer to achieving this milestone, where it has been demonstrated that this technology can meet the demanding requirements from industrial environments.”

Josu Caminos,
GESTAMP

PREDICT-6G  

PREDICT-6G Farewell



“Disciplined Innovation in research projects is key for obtaining outstanding results. That is why Intel is driving the PREDICT-6G Innovation Program, e.g. organizing workshops where fun and learning go hand in hand.”

Valerio Frascolla,
INTEL

PREDICT-6G  

PREDICT-6G Farewell



“During the lifetime of the project, we had the opportunity to develop a standards-aligned deterministic IPv6-compliant data plane concept and integrated it successfully with PREDICT-6G partners in a multi-domain localisation and sensing use case.”

Sebastian Robitzsch,
INTERDIGITAL

PREDICT-6G  

PREDICT-6G Farewell



“The goal of PREDICT-6G has been challenging and working together to achieve it has been exciting. It has been a great chance for Nextworks to improve our Data Collection and Management module with an extended architecture and new features for the monitoring of meaningful metrics from the MDP needed for data-driven network automation decisions.”

Matteo Ravalli,
NEXTWORKS

PREDICT-6G  



PREDICT-6G Farewell

“PREDICT-6G's work was an important step towards enabling use cases requiring deterministic communication. As part of this, we had the opportunity to work on a solution that can improve the level of determinism in networks with no in-built deterministic capabilities, thus making it possible to reuse existing install base of non-deterministic enabled network devices on the path of transitioning to an E2E deterministic-enabled stack.”

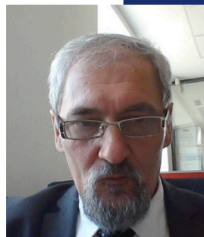
Zoltan Vincez,
NOKIA



PREDICT-6G Farewell

“At Politecnico di Torino, we are glad to have contributed to PREDICT-6G, tackling the challenge of network determinism in future 6G networks. We are proud that our research efforts show promise for real-world application and hold the potential to create meaningful impact for society.”

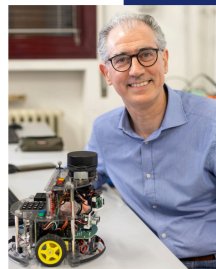
Corrado Puligheddu,
POLITO



PREDICT-6G Farewell

“As part of PREDICT-6G project, SIMAVI has proposed a redundancy path framework for deterministic and secured 6G networks. Designing and validating this proof-of-concept, while collaborating with a multidisciplinary team was both challenging and rewarding. Thankful to be part of this space of possibilities!”

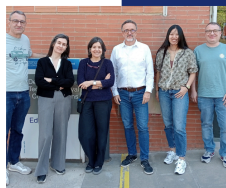
Iacob Ciuciucu,
SIMAVI



PREDICT-6G Farewell

“Achieving high performance in multi-device, multi-domain networks requires the co-design of computation, communication, and control across domains. As part of the PREDICT-6G project, UniPD has embraced this integrated approach in the field of mobile robotic applications, paving the way for the development of intelligent, flexible, and scalable networks capable of adapting to and thriving in dynamic environments.”

Angelo Concese,
UNIVERSITÀ DEGLI STUDI DI PADOVA



PREDICT-6G Farewell

“The participation of UPC in Predict6G has been highly valuable, enhancing its research capabilities in deterministic communications, adopting advanced network orchestration and digital twin technologies for industrial automation. It has strengthened academic-industrial collaboration, contributed to scientific advancement, and reinforced UPC's role in shaping future intelligent, reliable and time-critical systems.”

UNIVERSITAT POLITÈCNICA DE
CATALUNYA



[Read all the contributions](#)



PREDICT-6G

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