

HIGHLIGHT

The KIOS Teaming Project: A Successful Conclusion!

A successful conference on “KIOS Teaming Project: *Celebrating Achievements and Paving the Way Forward*”, was organized by the KIOS Research and Innovation Center of Excellence at the University of Cyprus, on March 27, 2025, at the University of Cyprus campus.

The conference marked the completion of the European “KIOS Teaming Project” (2017 – Feb. 2025) and showcased the role of the European Program “Teaming-Spreading Excellence and Widening Participation” in advancing the KIOS Research Center into a European Center of Excellence for Research and Innovation. It also highlighted the Center’s achievements, its plans for the future, and its socio-economic impact at the local and international levels.

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ERC Proof-of-Concept Grant to Prof. Polycarpou to develop a Risk-Based Cyber-Physical Security Solution for Water Distribution Systems



Funded by
the European Union



European Research Council
Established by the European Commission

The funded ERC Proof-of-Concept research project titled “An Integrated Cyber-Physical Security Solution for Water Distribution Systems” (WaterSAFE) aims to enhance protection in drinking water systems from physical threats and cybersecurity attacks, by developing an innovative security-as-a-service solution

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EUSOME: An Excellence Hub project kicked off to transform Advanced Air Mobility in the Southeast Mediterranean region



On the 15th-16th of January 2025, the 4-year European Excellence Hub project EUSOME officially kicked off its activities, bringing together 16 partners in Cyprus for a 2-day kick-off meeting. It aims to revolutionize the air mobility ecosystem in the Southeast Mediterranean region by addressing specific regional challenges, surveilling complex landscapes, tackling fire risks, and monitoring traffic congestion.

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New research projects related to power systems are coordinated by KIOS

OMRES: Operation, Maintenance and digital twin solutions for hybrid Renewable Energy Sources

OMRES aims to develop digitalized operating and maintenance solutions for hybrid renewable energy sources (RES) systems, including storage, with a focus on enhancing technology performance and contributing to zero-emission power production.

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GridGnosis: Real Time Monitoring of Power Systems for Enhanced Stability

GridGnosis aims to develop a holistic solution, a platform to enhance the resilience and security of the power systems. The platform will encompass innovative monitoring methodologies for accurately estimating the system states, the line parameters, and the system inertia.

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EU-13 Roadshow at the University of Cyprus Highlights the Strategic Power of Intellectual Assets



The KIOS CoE and the University of Cyprus Research and Innovation Support Service in collaboration with the European IP Helpdesk of the European Innovation Council and SMEs Executive Agency successfully organized the EU-13 Roadshow: Empowering Innovation – The Strategic Value of Intellectual Assets, on April 3, 2025, at the University Campus.

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INVERGE Project Outcomes: Grid-Edge Inverter Solutions for a Sustainable Energy Future



The INVERGE research project (An intelligent INVERter at the grid edGE for future power systems), concluded successfully in April 2025, by developing novel methodologies and solutions to support the transition to sustainable, resilient, intelligent power systems. The project introduced an inverter-centric approach by transforming traditional inverters into multi-functional, grid-supporting actuators.

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