

HIGHLIGHT

COCOON: An Innovation Action project to address cybersecurity challenges in modern power systems



The KIOS Research and Innovation Center of Excellence at the University of Cyprus is coordinating for the first time the EU Horizon Innovation Action research project entitled “COCOON: COoperative Cyber PrOtection for MOderN Power Grids”. COCOON aims to deliver a cyber-physical systems solution to address cybersecurity and resilience challenges in interconnected Electrical Power and Energy Systems in Europe.

[\[Read More\]](#)

TwinEU: A flagship project to digitize the European Energy System



The KIOS CoE is participating in a flagship research project, entitled “TwinEU”, which aims to create a concept of a Pan-European power system Digital Twin, based on the integration of national power grid Digital Twins, to enable a reliable, resilient, and safe operation of the power infrastructure, whilst facilitating new business models that will accelerate the deployment of renewable energy sources in Europe.

[\[Read More\]](#)

Collaboration with the EMS to develop an Alternative Fuels Infrastructure Information System



A collaboration agreement was signed between the Department of Electrical and Mechanical Services (EMS) of the Ministry of Transport, Communications, and Works and the KIOS Center of Excellence at the University of Cyprus, on the 2nd of April 2024. The two parties will work together on the design and implementation of a digital system that will allow the intelligent monitoring of alternative fuel infrastructures in Cyprus, according to the new EU Regulation 2023/1804.

[\[Read More\]](#)

Research and Innovation Project Outcomes

Smart5Grid: Digitalization of the power grids via 5G communication technology

In April 2024, the conclusion of the Innovation project Smart5Grid (Demonstration of 5G solutions for SMART energy GRIDS of the future), funded by the EU Horizon 2020 program, marked the beginning of exciting new possibilities for the digitalization of the electrical and power grid sector.

[\[Read More\]](#)

Intelligent technologies for facilitating the green and digital transition of buildings in Cyprus

The KIOS CoE, in collaboration with the Cyprus Chamber of Commerce and Industry and the Cyprus Energy Agency, for the purposes of the Go Green project, have investigated the impact of integrating sustainable and digital technologies in buildings.

[\[Read More\]](#)

Open Science Pilot at the KIOS CoE



The KIOS CoE is recognized for its expertise in Open Science activities and therefore was selected by the University of Cyprus to participate in the OPUS project as one of the three Research Performing Organizations to pilot the implementation of the Research Assessment Framework. Within a period of 18 months, the Center will perform interventions related to Open Science policy, resources, repository, training, and awareness raising.

[\[Read More\]](#)

Keep in touch with us!



The KIOS CoE has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 739551 (KIOS CoE) and from the Government of the Republic of Cyprus through the Deputy Ministry of Research, Innovation and Digital Policy. Complementary funding for the KIOS CoE is also provided by the University of Cyprus and Imperial College London.



Copyright © 2024 [KIOS CoE](#). All rights reserved.
If you do not wish to receive our newsletter emails in the future, please [unsubscribe](#) here.