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KIOS Center of Excellence: Key Activities, Achievements and Impact

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Credentials for the presentation slides to Mrs. Christiana Koutsouli, Kios CoE Communication Manager

University of Cyprus

Imperial College London

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Funded by:



KIOS CoE at a glance

- KIOS was established as a research unit in 2008 and upgraded to a Center of Excellence (CoE) in 2017 Collaborates strategically with Imperial College, London
- Operates within the University of Cyprus (at the level of Faculty)
- Over 180 people at KIOS CoE
- Develops research infrastructures (Testbeds) to test technologies under realistic operating conditions
- Creates synergies with national and international industrial and governmental organizations
- Number of KIOS Alumni: 248



KIOS Technical Focus & Specialization

Intelligent monitoring, control, management and security of complex, large-scale, dynamical systems

Application Areas - Critical Infrastructure Systems



www.kios.ucy.ac.cy

KIOS research and innovation activities address global challenges

- KIOS research is aligned with the EU/UN priorities
- Development of technologies and methodologies for making critical infrastructures smarter, more efficient, greener, and more secure



HERE IS WHAT'S IN

S2 TRILLION DOLLAR

Developing a critical mass of excellent researchers in the area of ICT



- KIOS provides career opportunities for young aspiring researchers
- Emphasis on Artificial Intelligence, Machine Learning, Data Analysis, Automation and Robotics
- Scholarships, training & development, undergraduate research opportunities program, internships

The Future of Jobs Report 2020 OCTOBER 2020

By 2025, **85 million jobs** will be displaced and **97 million new** professional positions will be created

Education & Training Activities at KIOS CoE

- MSc Program in Intelligent Critical Infrastructure Systems
- PhD Program

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- Researchers' Training Program Graduate Training School, Distinguished Lecture Series, Technical and Soft Skill Trainings
- Undergraduate Research Opportunities Program UROP
- Internship Program (BSc and MSc students)
- Mobility activities with other Universities and Organizations



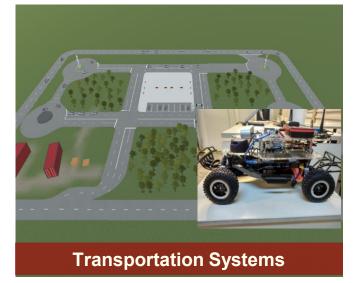




KIOS Research Infrastructures









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Competitive Research and Innovation Projects

- 40+ active multidisciplinary research & innovation projects, funded by EU and national funding agencies
- 298 collaborators (Cyprus, EU & Internationally)
- Projects are delivered in collaboration with CIS operators/industry and SMEs
- Contribute to global and regional challenges
- KIOS participated in 137 research projects since it was founded in 2008

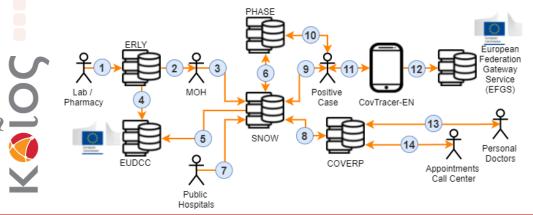




- **18 active** projects in 2023
- 90% of Innovation Hub partners participate in KIOS EU funded projects
- Collaboration with Ministries for the implementation of the Recovery & Resilience Plan of Cyprus

KIOS CoE COVID -19 Emergency Management Support Tools

- CIPHIS: Platform for GPs (release of recovered citizens) & Epidemiological Surveillance
- **SNOW**: Platform for management of positive cases by MoH
- **ERLY**: Platform for recording rapid test results from pharmacies
- ERLY2: Platform for recording rapid & PCR test results from Clinical labs and MoH Mobile Units
- PHASE: Public Platform for self submission of personal data/national platform to track cases
- TCDC: Turkish Cypriot Covid data upload for EUDCC Vaccination & Recovery certificates
- CovTracer-EN: Contact Tracing Exposure Notification app

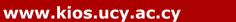




7 National Emergency management support tools

Work & collaboration is still ongoing in this area

A of Cyprus



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High-impact Innovation and Entrepreneurship

- KIOS Supports the initiation of startups and growth to SMEs
- Participates in several projects led by Cyprus SMEs



International visibility

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Visit by the Embassy of Israel in Cyprus

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Visit by the Embassy of U.S. in Cyprus







Visit by the President of the European Commission Ursula Von der Leyen and by the President of the Republic of Cyprus Nicos Anastasiades



Visit by the Director-General of ΕU Research and Innovation





KIOS Research and Innovation Center of Excellence University of Cyprus www.kios.ucy.ac.cy

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