New European Bauhaus Facility - Matchmaking event 2025





Research Capacity and new collaborations

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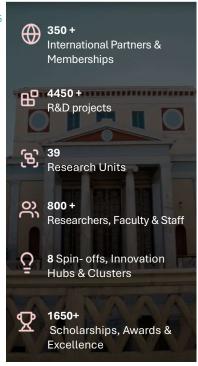


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The Institute of Communication & Computer Systems (ICCS)

- Founded as the research branch of the School of Electrical and Computer Engineering of the National Technical University of Athens (NTUA).
- Developing the Technologies of the future.
- ICCS today ranks among the top 3 Research Institutions in Greece and among the first 20 in EU -in terms of research funding.







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Main Application Areas



Circular Economy & Tracing

- Frameworks & Digital Tools for Circularity
- Data Management Systems,
- Digital Product Passports and Tracing
- · AI/ML models for quality & quantity assessment
- · DSS and Recommenders for biomass and Energy

EO & Environmental Monitoring

- · Sensors, wearables, wireless sensor networks
- Data management architectures & platforms
- EO based sensing, image processing, data fusion, sensing optimization
- Downstream applications for land/soil, water and air; Small sat study

Extended Reality

- Extended Reality technology applications for Stronger, connected, resilient and prosperous rural areas.
- Human robot collaboration for Ergonomics optimization, Textile handling, Wood sorting
- Digital twins and simulation environment, for collaborative scenarios

Industry 5.0 & Smart Manufacturing

- · Tailored Industrial Sorters
- · Multi-sensing agents
- · Co-Robots & AGVs
- · Smart Retrofitting



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NEB topics



HORIZON-NEB-2025-01-BUSINESS-01:

«Renovating the built environment through design for adaptability and disassembly»

> ICCS role: Participation in a consortium.