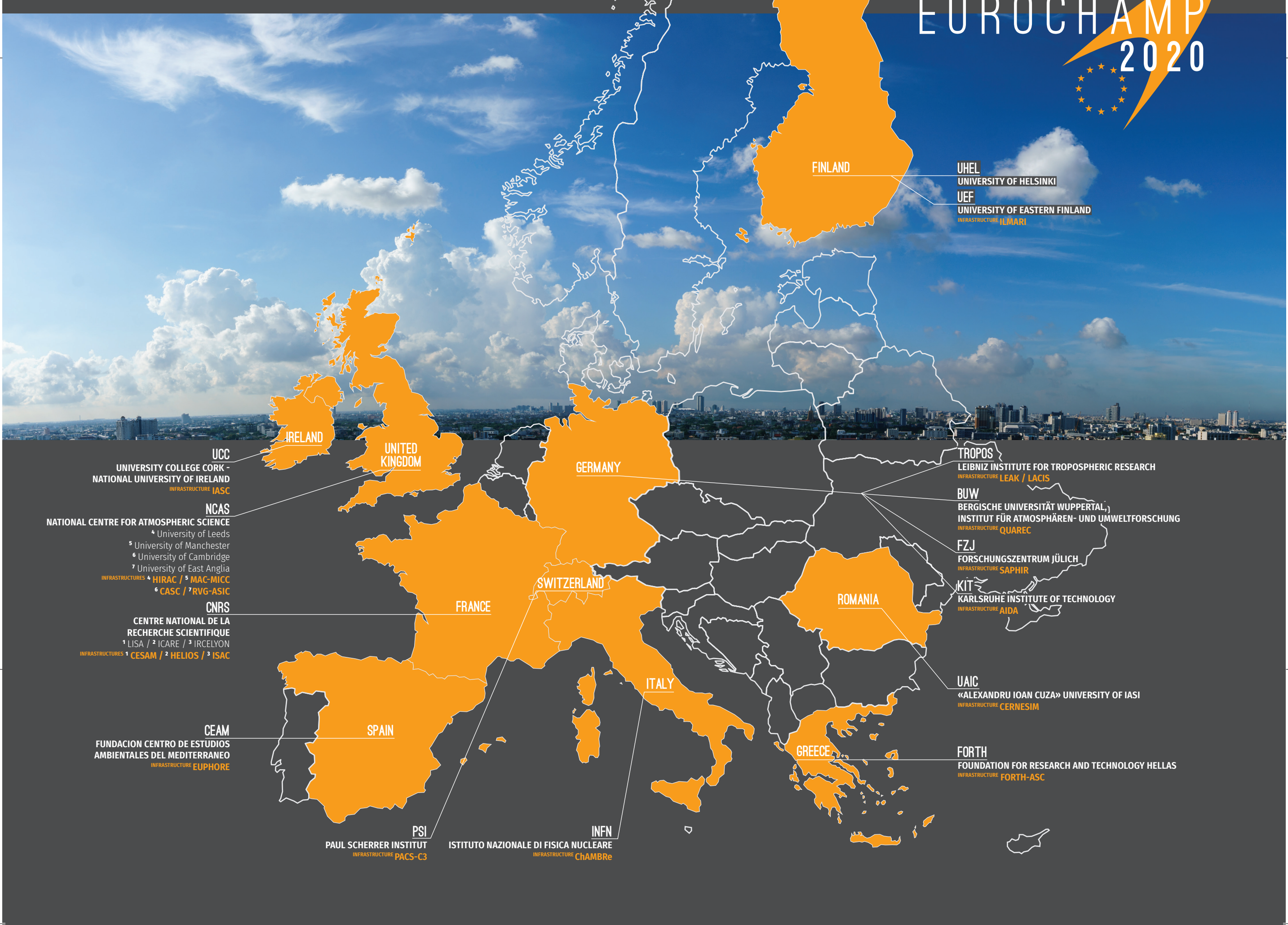


OVERALL, EUROCHAMP-2020 AIMS AT SIGNIFICANTLY ENHANCING THE CAPACITY FOR EXPLORING ATMOSPHERIC PROCESSES AND ENSURE THAT EUROPE RETAINS ITS PLACE IN ATMOSPHERIC SIMULATION CHAMBER RESEARCH.

Collaborative links are now established with environmental research infrastructures to promote integration and sustainability within the European Research Area.

EUROCHAMP 2020



FINLAND

UHEL
UNIVERSITY OF HELSINKI
UEF
UNIVERSITY OF EASTERN FINLAND
INFRASTRUCTURE **ILMARI**

IRELAND

UCC
UNIVERSITY COLLEGE CORK -
NATIONAL UNIVERSITY OF IRELAND
INFRASTRUCTURE **IASC**

UNITED KINGDOM

NCAS
NATIONAL CENTRE FOR ATMOSPHERIC SCIENCE
4 University of Leeds
5 University of Manchester
6 University of Cambridge
7 University of East Anglia
INFRASTRUCTURES 4 **HIRAC** / 5 **MAC-MICC**
6 **CASC** / 7 **RVG-ASIC**

GERMANY

TROPOS
LEIBNIZ INSTITUTE FOR TROPOSPHERIC RESEARCH
INFRASTRUCTURE **LEAK / LACIS**

BUW
BERGISCHE UNIVERSITÄT WUPPERTAL,
INSTITUT FÜR ATMOSPHÄREN- UND UMWELTFORSCHUNG
INFRASTRUCTURE **QUAREC**

FRANCE

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1 LISA / 2 ICARE / 3 IRCELYON
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GREECE

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INFRASTRUCTURE **pACS-C3**

INFN
ISTITUTO NAZIONALE DI FISICA NUCLEARE
INFRASTRUCTURE **ChAMBRé**

COOPERATION WITH PRIVATE SECTOR COMPANIES

Cooperation with private sector companies is actively promoted to exploit the innovation potential of the infrastructure by supporting development of scientific instruments, sensor technologies and de-polluting materials. Trans-national access (TNA) has been extended to sixteen different chambers and four calibration centres. A new, upgraded data centre provides virtual access to a huge database of experimental chamber data and advanced products.

Joint research activities will enhance the capability of the infrastructure to provide improved services for users : Measurement techniques and experimental protocols are further developed to facilitate new types of investigations on climate change drivers, impacts of air quality on health and cultural heritage, while also stimulating trans-disciplinary research. Advanced process models are developed for interpretation of chamber experiments and wider use in atmospheric modelling.

TRANS- DISCIPLINARY RESEARCH



ATMOSPHERIC
SIMULATION CHAMBERS
ARE THE MOST
ADVANCED TOOLS FOR
ELUCIDATING PROCESSES
THAT OCCUR IN
THE ATMOSPHERE.
THEY LAY THE
FOUNDATIONS FOR AIR
QUALITY AND CLIMATE
MODELS AND ALSO AID
INTERPRETATION OF
FIELD MEASUREMENTS.

Integrating the most advanced European atmospheric simulation chambers into a world-class infrastructure for research and innovation. A co-ordinated set of networking activities deliver improved chamber operability across the infrastructure, as well as standard protocols for data generation and analysis. Outreach and training activities foster a strong culture of cooperation with all stakeholders and users.

INFRASTRUCTURE FOR RESEARCH AND INNOVATION

ATMOSPHERIC SIMULATION CHAMBERS



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