Objective

The proposed CoE envisions to upgrade the existing ERATOSTHENES Centre of the Cyprus University of Technology into an inspiring environment for conducting basic and applied research and innovation in the areas of the integrated use of remote sensing and space-based techniques for monitoring the environment. Earth Observation is a must to better observe, understand, protect, monitor, and predict environmental parameters in land, water and air. Earth observation includes, among others, technological solutions including satellite observation, navigation and positioning systems. Satellite observation and remote sensing is the major focal point of the Centre and in the proposed CoE will be used in an integrated manner with other techniques and geospatial tools. Earth observation data are the key factors in Earth environmental programs in order to assess the current information of the environment, inform models, understand relationships among Earth processes, support decision making e.g., toward sustainability and involve stakeholders more effectively in environment decision-making. Earth observation has, so far, made sustainability a reality and it will continue to do so as more research is continuously done and technology improves. Climate change, air and water quality, natural hazards, floods, earthquakes, fires, erosion, landslides and other phenomena are some of the factors that need to be taken into consideration in several environmental studies, both at a national as well as at a regional level. Indeed, Cyprus with its unique geographical position, can support satellite Earth Observation programmes in these areas, as well
as their respective calibration and validation aspects. The project is fully aligned with the Smart Specialization Strategy of Cyprus (S3Cy) in many areas, significantly enhancing the impact of the targeted regional and national investments, namely, Environment and ICT, as explained below.

Field of Science

remote sensing
natural disaster
sustainable development

Programme(s)

H2020-EU.4.a. - Teaming of excellent research institutions and low performing RDI regions

Topic(s)

WIDESPREAD-04-2017 - Teaming Phase 1

Call for proposal

H2020-WIDESPREAD-04-2017-TeamingPhase1

See other projects for this call

Funding Scheme

CSA - Coordination and support action

Coordinator

TECHNOLOGIKO PANEPISTIMIO KYPREOU

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Archbishop Kyprianos 31
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3036 Lemesos
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Activity type

Higher or Secondary Education Establishments

EU Contribution

€ 160 000

Website

Contact the organisation

Participants (4)
DEUTSCHES ZENTRUM FUER LUFT - UND RAUMFAHRT EV
Germany
EU Contribution
€ 95 000
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Linder Hoehe
51147 Koeln
Activity type
Research Organisations
Website
Contact the organisation

NATIONAL OBSERVATORY OF ATHENS
Greece
EU Contribution
€ 80 000
Address
Lofos Nymfon
11810 Athina
Activity type
Research Organisations
Website
Contact the organisation

LEIBNIZ INSTITUT FUER TROPOSPHERENFORSCHUNG e.V.
Germany
EU Contribution
€ 40 000
Address
Permoserstrasse 15
04318 Leipzig
Activity type
Research Organisations
Website
Contact the organisation

MINISTRY OF TRANSPORT, COMMUNICATIONS AND WORKS
Cyprus
EU Contribution
€ 25 000
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Acheon 28
1424 Nicosia
Activity type
Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments)
Website
Contact the organisation

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