

# Research centres at the campus

## **CESAM** Centre for Environmental and Marine Studies

*CESAM interdisciplinary team has expertise on natural and social sciences, crosscutting coastal and marine biosphere, atmosphere, hydrosphere, lithosphere and anthroposphere transdisciplinary research.*

Unit coordinator: Ana Lillebø



Research areas: Atmospheric Processes and Modelling, Environment Processes and Pollutants, Functional Biodiversity, Ecotoxicology, Stress Biology, Adaptation Biology and Ecological Processes, Marine and Estuarine Ecology, Oceanography and Marine Geology, Coastal Zone Planning and Management  
<http://www.cesam.ua.pt>

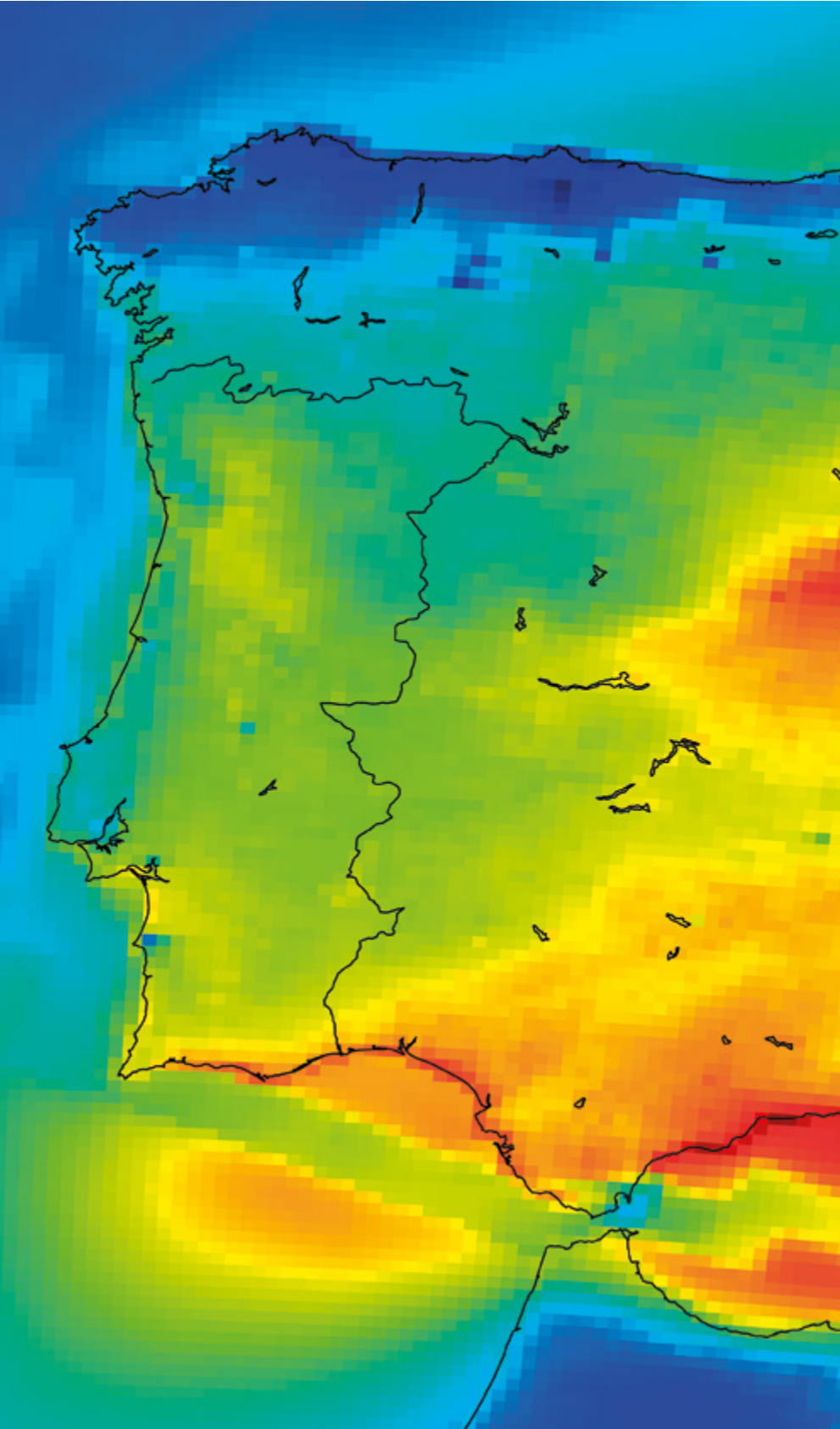
## **CIC.DIGITAL** Center for Research in Communication, Information and Digital Culture

*Interdisciplinary research centre focusing on innovation in the design of new interaction approaches for human-centered digital media applications.*

Pole coordinator: Fernando Ramos



Research areas: Media and Technology, Society, Culture and Arts, Information and Communication  
<http://www.cicdigital.org>



## CICECO

### Aveiro Institute of Materials

*Its mission is to develop the scientific and technological knowledge necessary for the innovative production and transformation of materials for a sustainable development and the benefit of society (from ceramics to soft matter and hybrids).*

Unit coordinator: João Rocha



Research areas: Inorganic Functional Nanomaterials and Organic-Inorganic Hybrids, Multifunctional Ferroic Ceramics and Nanostructures, Materials for Energy and Functional Surfaces, Biorefineries, Biobased Materials and Recycling and Biomedical and Biomimetic Materials

<http://www.ciceco.ua.pt>

## CIDMA

### Center for Research and Development in Mathematics and Applications

*CIDMA is a R&D unit hosted at DMat-UA with the main goal of carrying out fundamental and applied research in Mathematics and to prepare new researchers through post-graduate and advanced education.*

Unit coordinator: Luís Castro



Research areas: Algebra and Geometry, Complex and Hypercomplex Analysis, Functional Analysis and Applications, Gravitational Geometry and Dynamics, History of Mathematics, Optimization, Graph Theory and Combinatorics, Probability and Statistics, and Systems and Control

<http://cidma.mat.ua.pt>

## CIDTFF

### Research Centre for Didactics and Technology in Teacher Education

*Founded in 1994, CIDTFF has a mission anchored in the responsibility of research in education: to contribute to educated, qualified and critical citizens.*

Unit coordinator: Helena Araújo e Sá



Research areas: Education, Didactics, Supervision, Evaluation, Society and Training

<https://www.ua.pt/cidtff>

## CLLC

### Centre for Languages, Literatures and Cultures

*The Centre for Languages, Literatures and Cultures,, based in the Department of Languages and Cultures, is an intercultural research unit in the Humanities, with a strong inter and transdisciplinary orientation.*

Unit coordinator: Teresa Cortez



Research areas: Literary and Cultural Studies (Poetics of Mobility in Literature and Culture; Cultural Flows and Literary Mediations); Language Sciences (Linguistic Variation; Translation and Terminology)

<https://www.ua.pt/cllc>

## CINTESIS

### Center for Health Technology and Services Research

*CINTESIS.UA is a multidisciplinary research unit mostly focused on Ageing Issues and Health Care Provision. Includes researchers from the Department of Education and Psychology and School of Health Sciences.*

Pole coordinator: Carlos Silva



Research areas: Clinical & Health Services Research, Ageing & Neurosciences Research, Diagnosis, Disease & Therapeutics Research and Data & Methods Research

<http://www.cintesis.eu>

## CIPES

### Center for Research in Higher Education Policies

*CIPES's mission is to engage in scholarly research in order to advance critical thought and promote informed understanding about the vital policy issues confronting higher education at both the national and international arenas.*

Pole coordinator: Teresa Carvalho



Research areas: Higher Education, System Level Policies, Institutional and Organisational Analysis and Resources, Performance and Human Capital

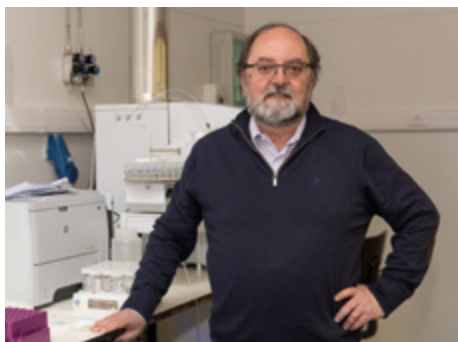
<http://www.ua.pt/cipes/>



**GEOBIOTEC**  
**GeoBioSciences, GeoTechnologies**  
**and GeoEngineering**

*Focusing on Geo-Resources/Geo-Environment, Geobiotec works with the most important national mining projects, with skills and resources on industrial minerals, geostatistics, geochemistry, geophysics, mineralogy, medical geology and geomaterials.*

Unit coordinator: [Fernando Rocha](#)



Research areas: Lithospheric Evolution, Complex Environmental Systems, Georesources, Geotechnics and Geomaterials  
<http://www.ua.pt/geo/PageText.aspx?id=17534>

**IBIMED**  
**Institute of Biomedicine**

*IBiMED's mission is to improve life quality and reduce health care costs through advanced biomedical and clinical research focused on personalized medicine and biomarkers of healthy aging.*

Unit coordinator: [Manuel Santos](#)



Research areas: Human ageing, protein aggregation, epigenome, ageing related diseases, systems biomedicine, clinical studies  
<http://www.ua.pt/ibimed>

**IEETA**  
**Institute of Electronics and**  
**Informatics Engineering of Aveiro**

*IEETA is mainly a Computer Science and Engineering RU, with a strong multidisciplinary character, organized in three groups: Biomedical Informatics and Technologies; Intelligent Robotics and Systems; Information Systems and Processing.*

Unit coordinator: [Armando Pinho](#)



Research area: Information Processing, Information Systems, Biomedical Informatics, Biomedical Technologies, Intelligent Robotics, Intelligent Systems  
[www.ieeta.pt](http://www.ieeta.pt)

**GOVCOPP**  
**Governance, Competitiveness and**  
**Public Policies**

*GOVCOPP's mission is to produce research and knowledge that contribute to economic efficiency and good governance practices in specific territorial contexts, with a particular focus on the Centro region.*

Unit coordinator: [Eduardo Anselmo](#)



Research areas: Public Policies, Competitiveness, Local and Regional Innovation Systems, Territory, Development and Tourism  
<http://www.ua.pt/govcopp>

**Research Institute for Design,**  
**Media and Culture [ID+]**

*ID+ is a multidisciplinary R&D consortium that aims to develop, legitimise and communicate design and artistic research and practices in academic, social, cultural and economic contexts.*

Unit coordinator: [Vasco Branco](#)



Research areas: Design, Art, Media and Culture  
<http://www.idmais.org/pt-pt>

**INET-Md**  
**Institute of Ethnomusicology –**  
**Research Centre on Music and Dance**

*INET-Md is a transdisciplinary center that carries out research on music and dance by using current perspectives from ethnomusicology, historical musicology, cultural studies, popular music studies, ethno-coreology, education, music theory, analysis, performance studies, composition, artistic research, music acoustics and sound studies.*

Pole coordinator: [Susana Sardo](#)



Research areas: Ethnomusicology and Popular Music Studies, Historical and Cultural Studies in Music, Dance Studies, Creation, Theory and Music Technologies, Performance Studies and performance as Artistic Research, Education and Music in Community.  
<http://www.fcsh.unl.pt/inet>

## **IT** **Instituto de Telecomunicações**

*Instituto de Telecomunicações (IT) is a research unit that is in the front line fostering (nurturing) new ideas and emerging technologies for increasingly agile and easy ways to access ubiquitous information.*

**Pole coordinator:** José Neves



Research areas: Wireless Communications, Optical Communications, Networks and Multimedia and Basic Sciences and Enabling Technologies.

<https://www.it.pt>

## **i3N – FSCOSD** **Institute for Nanostructures,** **Nanomodelling and** **Nanofabrication – Physics of** **Semiconductors, Optoelectronics** **and Disordered Systems**

*The i3N/Aveiro develops top quality science and innovation in advanced micro/nano materials and nanotechnologies, and exploits, supported by computer modelling, their multi-functionalities integration in (opto)electronics and photonics devices and systems.*

**Pole coordinator:** Armando Neves



Research areas: Modelling of materials behaviour, Nanofabrication and micro-technologies, Nano and microstructured polymer-based systems and Physical characterization of self-assembled nanostructures.

<https://www.i3n.org>

## **QOPNA** **Organic Chemistry, Natural** **Products and Agro-food Stuffs**

*Founded in 1992, its mission consists in the development of scientific and technological knowledge for the discovery, preparation, transformation, structural and functional characterization and valorization of functional molecules and materials in a sustainable way.*

**Unit coordinator:** Artur Silva



Research areas: Organic Chemistry, Natural Products, Food Science /Biochemistry and Mass Spectrometry.

<https://www.ua.pt/qopna>

## **RISCO** **Aveiro Research Centre of Risks** **and Sustainability in Construction**

*RISCO aims to promote the development of sustainable and resilient cities through safe, environmentally friendly, efficient and durable constructions, and through built heritage conservation.*

**Unit coordinator:** Paulo Cachim



Research areas: Risks in the Built Environment, Construction Sustainability, Built Heritage Conservation and Restoration.

<http://www.ua.pt/risco>

## **TEMA** **Centre for Mechanical Technology** **and Automation**

*TEMA follows the natural evolution of the mechanical engineering for the future, developing research on two mobilizing projects: sustainable manufacturing solutions and technologies for the wellbeing.*

**Unit coordinator:** António Bastos



Research areas: Advanced Mechanical Engineering and Fracture Mechanics, Applied Energy, Biomechanics, Nanoengineering, Transportation Technology and Simulation Software Research and Development.

<https://www.ua.pt/tema>