Research centres

CESAM
Centre for Environmental and Marine Studies

We aim to develop multidisciplinary and transdisciplinary international research of excellence, supporting the public, private and not-for-profit sectors and contributing to the development of policies, nationally and internationally.

Unit coordinator: Amadeu Soares

Research areas: We address the challenges posed by global change, with a focus on social, economic and environmental sustainability, and cover the continuum of atmosphere, land, ocean, and other aquatic resources, from mountains top to the deep sea. We are guided by the One-Health Approach, caring for the future.

www.cesam-la.pt

CLLC
Centre for Languages, Literatures and Cultures

CLLC is a research unit focusing on the Humanities with an inter and transdisciplinary orientation. In recent years, it has explored themes of literary, cultural and linguistic mobility, and more recently, its objective is to develop research in the area of Critical Digital Humanities.

Unit coordinator: Maria Manuel Baptista

Research areas: Literary Studies (Between Texts Group – Literary hermeneutics); Cultural Studies (Between Cultures Group – Cultural hermeneutics); Language Sciences (Between Languages Group – Variation, Translation, Learning).

www.ua.pt/en/cllc

CICECO
Aveiro Institute of Materials
Its mission is to create and disseminate scientific and technological knowledge to develop, process and apply materials that will anticipate and address the challenges of a global society.
Unit coordinator: João A.P. Coutinho

Research areas: Porous Materials and Nanosystems; Photonic, Electronic and Magnetic Materials; Electrochemical Materials, Interfaces and Coatings; Renewable Materials and Circular Economy; Biomimetic, Biological and Living Materials; Virtual Materials and Artificial Intelligence.

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 postgraduate and advanced education.
Unit coordinator: Delfim Torres

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

https://cidma.ua.pt

CIDTFF
Research Centre on Didactics and Technology in the Education of Trainers
Founded in 1994, CIDTFF has a mission anchored in the responsibility of research in Education: to produce knowledge and promote skills with the potential to contribute to the education of qualified and critical citizens, and to the creation of a better world.
Unit coordinator: Maria Helena Araújo e Sá

Research areas: Policies, management and evaluation of education; Digital technologies and learning environments in education; Curriculum, didactics and literacies; Diversities, equity and inclusion in educational contexts; Sustainability of education research.

www.ua.pt/en/cidtfff

CINTESIS@RISE
Center for Health Technology and Services Research at the Associate Laboratory RISE, Health Research Network
It's a multidisciplinary research unit that includes researchers from the Department of Education and Psychology and from the School of Health Sciences.
Pole coordinator: Óscar Ribeiro

Research areas: Social and behavioral gerontology, clinical gerontology and geriatrics, mental health, chronic disease management, and health care provision.

https://cintesis.eu

CIPES
Centre 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: system level policies, institutional and organisational analysis, and economic and social relevance of Higher Education.

www.cipes.pt

DigiMedia
Digital Media and Interaction
Interdisciplinary research centre focused on media innovation supported by three research pillars – Media Experience and Engagement Design; Technology-Enhanced Learning and Wellbeing; and Digital Culture and Change.
Unit coordinator: Nelson Zagalo

Research areas: Human-Computer Interaction, Interaction Design, and Media Studies

https://digimedia.pt

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, Georessources, Geotechnics and Geomaterials.

www.ua.pt/en/geobiotec

GOVCOPP
Governance, Competitiveness and Public Policies

GOVCOPP's research focusses on place-based policy and governance, producing knowledge that responds to the particular needs, perspectives, challenges and resources of specific contexts.

Unit coordinator: Mara Madaleno

Research areas: Competitiveness, Innovation, Sustainability, Public Policy, Institutions, Decision Support Systems, Territory, Development and Tourism.

https://govcopp.ua.pt

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: Bruno Bernardes de Jesus

Research areas: Human ageing, epigenome, non-communicable diseases, systems biomedicine, pre-clinical models of disease, clinical studies and personalized non-pharmacological interventions.

https://ibimed.web.ua.pt

ID+
Research Institute for Design, Media and Culture

With the mission of developing and promoting excellence in Design and Artistic research in convergence with science and innovation, ID+ contributes to the longevity of the legacy of Design and to the interpretation of the challenges of the contemporary world.

Pole coordinator: Fátima Pombo

Research areas: Design, Art, Media and Culture

https://idmais.org

IEETA
Institute of Electronics and Informatics Engineering of Aveiro

IEETA aims to pioneer in data science, artificial intelligence, computing methods, human-centered computing, robotics, and other cutting-edge technologies, to make tangible impacts in the industry, enhance the quality of life, and help to address societal challenges.

Unit coordinator: José Luís Oliveira

Research areas: Computer Science, Information Processing, Intelligent Systems, Biomedical Technologies.

www.ieeta.pt

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

Transdisciplinary research on music and dance, using perspectives from a broad spectrum of musical, sound, and dance disciplinary fields, as tools both for funda-mental research and for developing actions of social responsibility and artistic relevance.

Pole coordinator: Helena Marinho

Research areas: Creation, Performance and Artistic Research; Education, Music and Theatre in the Community; Ethnomusicology and Popular Music Studies; Historical and Cultural Studies in Music; Musical Acoustics and Sound Studies; Dance Studies.

www.inetmd.pt/index.php/en

I3N
Institute for Nanostructures, Nanomodelling and Nanofabrication

I3N/ Aveiro focus on micro and nanofabrication, green and clean energy, nanomaterials and functional interfaces, biomedical devices and systems and theoretical and computational studies.

Pole coordinator: José Fernando Mendes

Research areas: Modelling of materials behaviour, Nanofabrication and micro-technologies and exploit of their multi-functionalities, Physical characterization of self-assembled nanostructures, Development of (opto)electronics and photonics devices and systems.

https://www.ua.pt/en/i3n

IT
Instituto de Telecomunicações

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

Pole coordinator: José Carlos Pedro

Research areas: Wireless Technologies; Optics and Photonics; Networks and Services; Information and Data Sciences; and Basic Sciences and Enabling Technologies.

www.it.pt

LAQV-REQUIMTE – Associated Laboratory for Green Chemistry

The vision of LAQV is for a world in which Sustainable Chemistry is used as a powerful and dynamic tool to tackle the societal, economic, and environmental challenges of modern life, contributing to a World Sustainable Development.

Pole coordinator: Manuel A. Coimbra

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

https://laqv.requimte.pt

RISCO
Risks and Sustainability in Construction

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

Unit Coordinator: Romeu da Silva Vicente

Research areas: Assessment and mitigation of risks in the built environment, Sustainable and resilient solutions for the built environment, Built heritage safeguarding, conservation, renovation and retrofit.

www.ua.pt/en/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 domains: sustainable manufacturing solutions and technologies for the wellbeing.

Unit coordinator: Paula A.A.P. Marques

Research areas: Manufacturing Processes and Simulation, Nanomanufacturing, Bio-inspired Manufacturing, Manufacturing for Circ. Economy; Multiscale Tech. and Devices for Medicine, Environment, and Energy, Innovative Tech. for Smart and Resilient Cities; and Intelligent Systems.

www.ua.pt/en/tema

WJCR
William James Center for Research

The WJCR core mission is to advance research in distinctive fields of psychology, engage and inspire young scientists, integrate fundamental research with applications, and increase transparency and visibility in the scientific and public eyes.

Pole coordinator: Josefa N.S. Pandeirada

Research areas: Cognition, Social Cognition and Body Odors, Health, Social Development, and Social Cognitive and Applied Neuroscience.

https://williamjamescr.org