

Research Projects and Networks



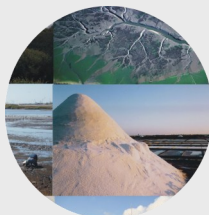
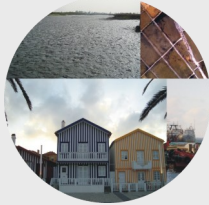
Contacts:

CESAM—UNIVERSITY OF AVEIRO
 CAMPUS UNIVERSITÁRIO DE SANTIAGO
 3810-193 AVEIRO

Phone: +351 234 372 594
 Fax: +351 234 370 309
 E-mail: cesam@dao.ua.pt
 Url: www.cesam.ua.pt

cesam

**CENTRE FOR
 ENVIRONMENTAL
 AND MARINE
 STUDIES**



MISSION

Research, development, innovation and dissemination of knowledge in the Marine and Coastal Environment area, integrating the atmosphere, the biosphere, the hydrosphere, the lithosphere and the anthroposphere, with particular attention to align with the European priorities, namely with the "Europe 2020 Strategy" and its particular flagship initiatives "Innovation Union" and "A resource-efficient Europe".

SCI Papers in 2011

354

Citations 2007-2011

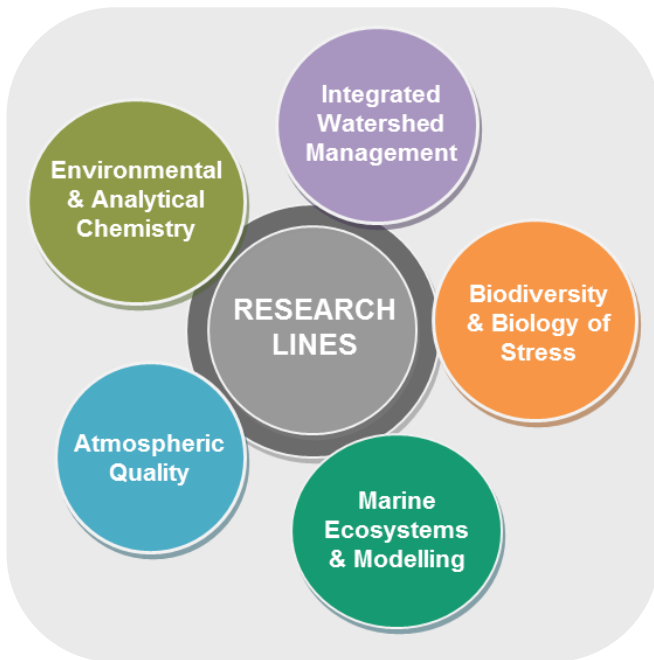
7369

National R&D Projects

128

International R&D Projects

28



CESAM at a glance

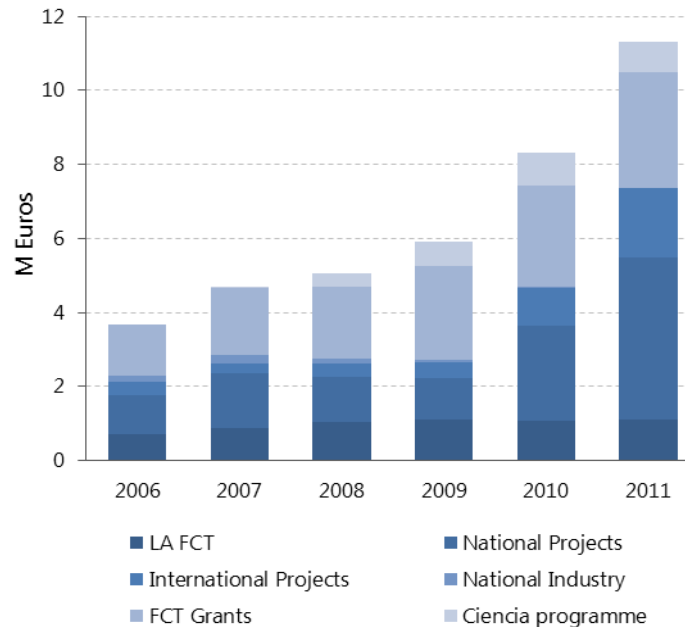
CESAM integrates about 500 researchers in the area of Environmental and Marine Sciences, being responsible for publishing over 1500 SCI papers.

It includes researchers from six departments of the University of Aveiro (UA): Biology, Chemistry, Civil Engineering, Environment, Geosciences and Physics; it also includes members from the University of Lisbon.



- Integrated researchers
- Post-doc researchers
- PhD students
- Other post-graduation researchers
- Collaborators

The scientific output of CESAM is primarily responsible for UA having, amongst the Portuguese Universities, the best performance in the field of environment /ecology on the ISI Web of Science ranking.



Atmospheric Quality

- Carbon cycle and carbon balance in coastal areas
- Source apportionment of atmospheric pollutants
- Climate change impacts over urban areas
- Health effects of pollution

Environmental & Analytical Chemistry

- Pioneering analytical methodologies for characterisation of soil, water, and sediments
- Remediation technologies for decontamination processes
- Biogeochemical cycles of metals

Integrated Watershed Management

- Environmental impact of biomass burning and Forest Fires
- Environmental planning and management

Biodiversity & Biology of Stress

- Molecular mechanisms for the adaptation to environmental variation and stress
- Horizontal-gene transfer in shaping microbial communities
- Natural stressors interactions and mixtures
- Species ecology, habitat and reproductive phenology

Marine Ecosystems & Modelling

- Salt marsh ecology and phytoremediation
- Mapping of underwater habitats
- Marine biotechnology and microbiology
- Mud-volcanisms shallow gas and gas-hydrates
- Ocean circulation, hydrology and climate
- Recruitment, connectivity and population dynamics of marine species