ESMERALDA
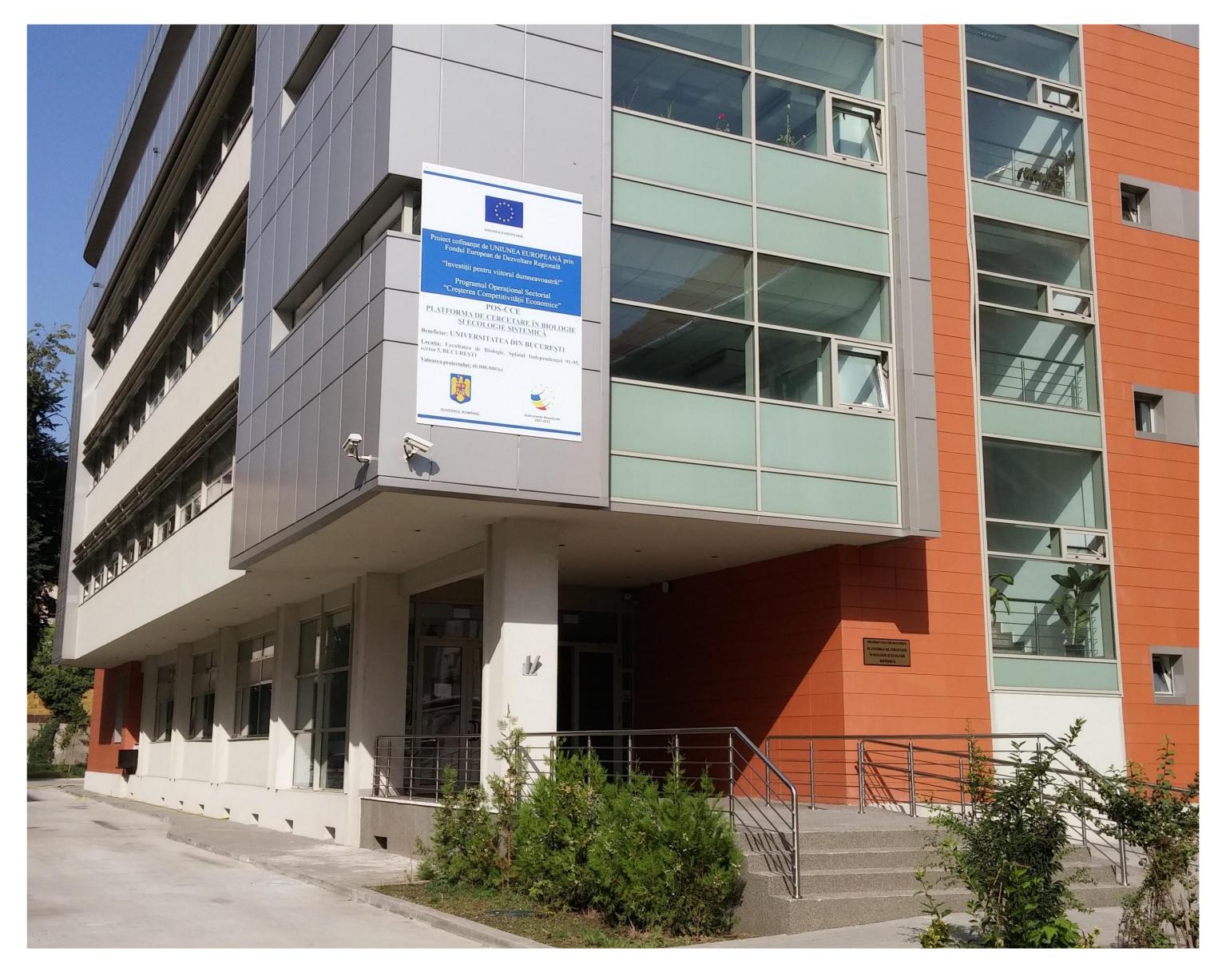
WHO WE ARE

★ University of Bucharest (UB) is one of the leading higher education institutions in Romania and South-eastern Europe, contributing actively through research and teaching to the development and use of knowledge. Its main objective is to offer high-quality academic programs and research facilities in order to become a forefront of research and education. In its 150 years of existence, UB has gained solid national and international recognition, being the first Romanian academic institution in the QS World University Rankings.

★ Over the years the research activity of the UB-RCSES, has received international visibility and credibility especially through involvement in European networks and projects (eLTER, ECOPOTENTIAL, OPENNESS, BESAFE EXPEER, VOLANTE, SPIRAL, GENESIS, EBONE LIFEWATCH, AQUAMONEY, ALTER-NET EURO-LIMPACS, SOBIO, EVALUWET, EMERGE). UB-RCSES is playing a catalytic and leading role in the development of the national network of teams and platforms for long term, multi- and trans-disciplinary research on local and sub-regional socio-ecological complexes..

OUR EXPERIENCE

★ The expertise of researchers covers:

★ the dynamic structure and functions of population/species, ecosystem structure, assessment of ecosystem functions and services, as well as their carrying capacity,

★ studies of hydro geomorphological units, GIS and remote sensing, and

★ study of socio-ecological systems sustainability.

★ applied research dealing with: rehabilitation and reconstruction of landscapes for diffuse pollution control and biodiversity conservation in rural areas; development of decision support tools

★ implementation of integrated and adaptive management plans for protected areas and the establishment and development of then national network for long-term (socio-)ecological research (NLTSER) that is integrated in the European(ELTER) and Global (ILTER) networks.

★ Ecosystem and landscape functions and ecosystem services assessment;

★ Biodiversity conservation and sustainable use of ecosystems;

★ Social and economic analysis of the ecosystem functions;

★ Social research in support of biodiversity management, conflict management and the development of the science-policy interface.

WHAT WE DO IN ESMERALDA

★ Contributing to WP2 - Stakeholder Network & Implementation

★ WP3 Mapping methods- contributing to an overview of past and current mapping research activities and also in Development of a multi-tiered flexible methodology for mapping ecosystems services

★ WP4 Assessment methods – contributing to Social assessment methods and also in developing Integrated Assessment Methods and Guidelines

★ Contribute in WP5 with a case study for steppic bioregion and large rivers

WE ARE ALSO INVOLVED IN

eLTER, Ecopotential, OpenNESS, BESAFE, ENVEUROPE, EBONE, VOLANTE, GENESIS, SPIRAL

Dr. Mihai Adamescu

★ Researcher at UB-RCSES
★ Dynamics and productivity of freshwater ecosystems
★ Ecosystem services assessment
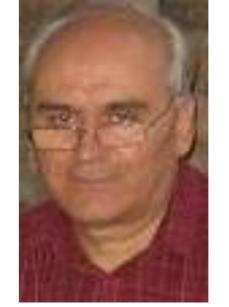★ Development of integrated management plans and biodiversity conservation

Dr. Constantin Cazacu

★ Researcher at UB-RCSES
★ Ecosystem services assessment
★ Statistical data analysis
★ Mapping and modelling of ecosystem service
★ Dynamics of freshwater ecosystems

Dr. Elena Preda

★ Researcher at UB-RCSES
★ Water quality assessment
★ Evaluation of ecosystem functions and services and biodiversity indicators

Prof. Dr. Angheluta Vadineanu

★ Senior researcher and head of the UB-RCSES
★ Socio-economic analysis of biodiversity
★ Ecosystem services assessment
★ Development of science-policy interfaces