



Klaipėdos  
universitetas

30  
metų



June 1-2, 2022 Agricultural University of Athens

# KLAIPĖDOS UNIVERSITETAS

Darius Daunys

Vice-Rector for Science and Innovation

# KLAIPĖDOS UNIVERSITETAS

1991 Klaipeda University started its **first academic year** as the only coastal university in Lithuania.

2008-2018 State investment into **Integrated Marine Science, Study and Business Facility**: lab infrastructure, research vessel, study programs, soft skills of personnel.

2014-2016 resisted against the unification process at the national scale by positioning itself as **Baltic Sea region oriented** broad discipline University with the strong **focus on coastal issues**

From 2017 m among **top 200** research institutions in **Oceanography** (Shanghai Rankings)

From 2019 member of European Alliance **EU-CONEXUS** in Smart Urban **Coastal** Sustainability







# FACULTIES AND RESEARCH INSTITUTES

- Faculty of Health Sciences
  - HEALTH RESEARCH AND INNOVATION SCIENCE CENTER
- Faculty of Social Sciences and Humanities
  - CENTER FOR RESEARCH ON SOCIAL CHANGE
  - CENTER FOR SOCIAL GEOGRAPHY AND REGIONAL STUDIES
  - LITHUANISTIC AND FOREIGN LANGUAGES CENTER
  - CENTER FOR CONTINUING STUDIES
- Faculty of Marine Technologies and Natural Sciences
- Institute of Baltic Region History and Archaeology
- Marine Research Institute



<b>Humanities</b>	Philosophy, Philology, <b>Etnology,</b> <b>History, Archaeology</b> (incl. underwater)
<b>Social Sciences</b>	<b>Political Science,</b> <b>Public Administration and Management,</b> Social geography; <b>Economics,</b> Sport, recreation and tourism, Social Work, Psychology, <b>Educational Science</b>
<b>Natural Sciences</b>	Statistics, <b>Physical oceanography</b> Fishery and marine biotechnology, <b>Environmental Science and Aquatic Ecology</b>
<b>Health Sciences</b>	Medicine, Public Health, Nursing, Holistic medicine and rehabilitation
<b>Technological Sciences</b>	Electrical Engineering, Mechanical Engineering, Construction Engineering, Chemical Engineering, Engineering Informatics, Informatics, <b>Transport engineering</b>





# STAFF / PROJECTS

**10** PhD programs: **70-80** PhD students annually

- max. 4 years (+1 year for thesis defense);
- different thesis requirements per discipline;
- strictly regulated by State

**170** researchers

**310** lecturers

**150** technical staff

**120** projects annually

# STRATEGIC RESEARCH AREAS

## 1. SUSTAINABLE TECHNOLOGIES, BLUE/GREEN GROWTH AND HEALTHY SEAS

- to improve quality of coastal environment and developing innovative technologies.

1. Healthy marine ecosystems
2. Novel techniques in marine environmental monitoring and forecast
3. Sustainable management of marine resources developing aquaculture and blue biotechnology
4. Technologies for reducing human impacts on marine and coastal environments
5. Water transport decarbonisation and enhancing energy efficiency
6. Technologies for sustainable use of natural resources and circular economy
7. Advanced IT engineering and digitalisation technologies





# STRATEGIC RESEARCH AREAS

## 2. SOCIETIES AND CULTURES IN THE BALTIC COASTAL AREAS

- to contribute to sustainable society, individual well being and economic development based on analysis of social and cultural phenomena in the Baltic coastal areas from the historical and recent perspectives

1. Human and the landscape: dynamics of lifestyles and colonization models
2. Social and cultural change in the southeastern Baltic region from middle ages till now
3. Linguistic and symbol systems in coastal communities
4. Transformations of social and spatial structures in recent coastal societies
5. Human resources, regional identity and cohesion of local societies
6. Social innovations and competitiveness of coastal areas
7. Human psychosocial evolution and well being: factors and their interaction
8. Socioeducation research of human wellbeing



# STRATEGIC RESEARCH AREAS

## 3. HEALTH SUSTAINABILITY AND WELL BEING

- to provide smart solutions for health care, social well being and sustainable development of society

1. Health care at the levels of individuals and society
2. Creation of healthy working and living environment
3. Health of local communities and disease control
4. Creation and application of innovative health care systems





# AREAS OF MAJOR IMPACT ON THE REGION



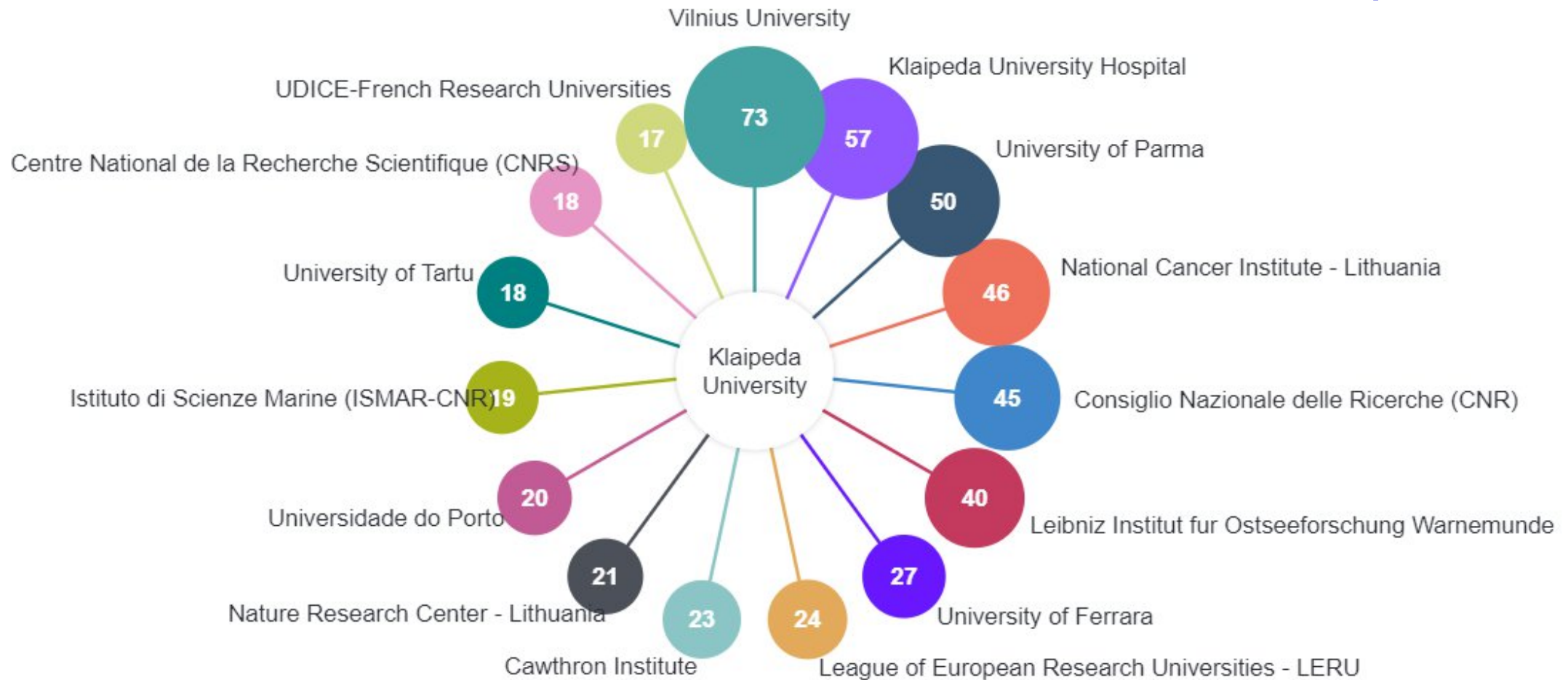
1. Healthy marine ecosystems
2. Bioeconomy and aquaculture
3. Smart transport
4. Health and coastal tourism
5. Prevention from national security threats
6. Fostering identities and centering cultural heritage
7. Reducing social exclusion in the region
8. Development of public policy in the region and increase of regional competitiveness

# DISTRIBUTION OF RESEARCH PROJECTS ACROSS SCIENCE FIELDS

Field of science	Number of projects	Project budget (thous. Eur.)
Humanities	14-23	367-546
Social Sciences	16-36	273-936
Technological Sciences	10-15	475-713
Natural Sciences	32-63	792-2,752
Medicine and Health Sciences	6-11	177-397
<b>Total:</b>	<b>89-139</b>	<b>1,836-5,266</b>



# COLABORATORS IN WOS PUBLICATIONS (LIFE SCIENCES, ENVIRONMENTAL SCIENCES)



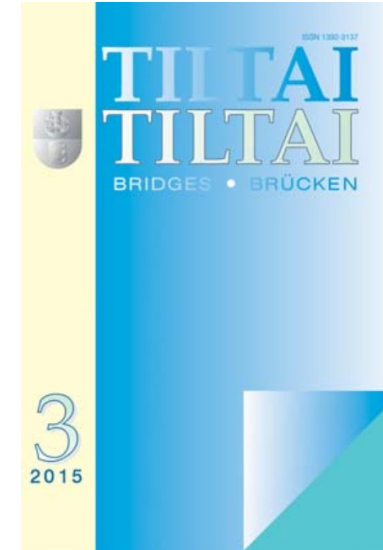
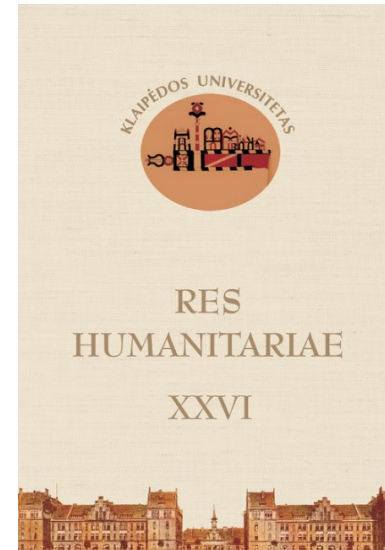
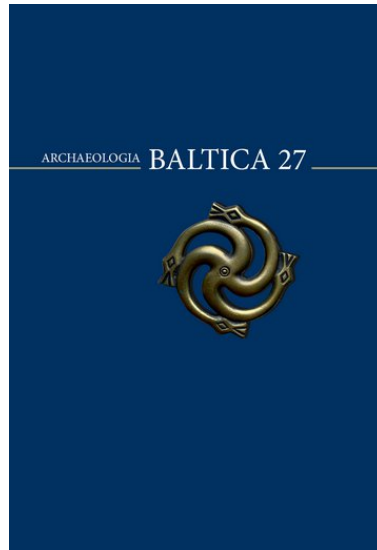
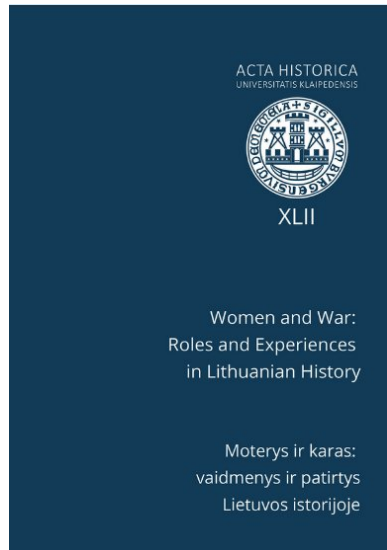
# INFRASTRUCTURE

- Ship engineering (flume facility)
- Plankton ecology (mesocosm facility)
- Fish aquaculture (RAS)
- Shrimp aquaculture
- Botanical garden
- Research vessels (seabed research)
- Mobile air pollution lab
- Biogeochemistry lab (climate rooms)
- Access to geothermal waters (link to aquaculture and balneotherapy)





# JOURNAL S



**Computational Science and Techniques**



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