

URGENT research framework for a partner institution

The name of the partner organisation: Pondicherry University

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Departments or other academic units at your organisation concerned with URGENT-related topics:

- 1 Department of Ecology & Environmental Sciences
- 2
- 3

Current and past projects implemented at your institution and concerned with URGENT topics:

Add as many lines as necessary

Project title	Funding agency	Project topics concerned (2-3 keywords)	Type of the project (research, education, mobility, capacity for the organization or external stakeholders building, promotion etc)	Possible links to URGENT (joint activities, agreements, ...)
Assessment of urban sprawl and its impacts on the environment in Puducherry using geomatics	University Grants Commission, New Delhi	Urban Sprawl, Population growth, Urban green space	Research Project	Completed project

PHD Programs available

Add as many lines as necessary

PhD in Ecology & Environmental Sciences

Topics of PhD thesis (or other graduate works if you do not have a PhD program)

- 1. Effects of changed land use pattern and temperature along environmental gradient on assemblage of bird's species in foothills of Himalayas (Uttarakhand)**

2. Impacts of wave energy & monsoon currents on shoreline changes along the Ports using DSAS & Geospatial technology- A Comparative Study of Natural & Artificial

3. Species diversity and community structure along the elevation gradients in Southern Western Ghats.

4. Floristic diversity and carbon sequestration potential of Mahanandha Wildlife Sanctuary

5. Species distribution pattern along the elevation gradients and slope in Grizzled squirrel wildlife sanctuary.

6. Impact of forest fire on the palatability and nutrient quality of savannah forest, Sathyamangalam Tiger Reserve

Key personalities at your organisation publishing on URGENT -related topics:

Name	Key words (2-3) describing research interests	Personal webpage, if applicable
Prof. S Jayakumar	Urban dynamics, Climate change modeling	

Current research profile of the organization in relation to URGENT topics:

Being a central University, Pondicherry University do research in various field including a few URGENT topics. The department of ecology & environmental sciences does research work connected to URGENT. The department of Ocean studies and marine biology department at the Port Blair also research connected to marine environment.

Ambitions of the organization (in terms of research topics) or aspired activities in relation to URGENT topics (i.e. research collaboration agreements, phd supervision, internships for phd students to Eu partners)

Pondicherry University is looking for active collaboration in research the teaching through MOUs, joint supervision for PhD, etc.

Obstacles and barriers hampering the aspired developments

In the recent period, the covid-19 pandemic affected the academic activity to a large extent.

Enabling conditions and positive factor behind your current successes in relation to URGENT -related research developments, and/or making you hopeful about your ambitions:

Freedom to teachers and PhD scholars to select innovative research areas based on their interest.

Specific capacities you want to develop to reach you aspired URGENT-related research goals, such as equipment, training for academic or technical staff, access to international databases, external experts support or PhD supervision etc etc

We need to develop a High performance computing facility in the University for data mining and modeling. Need to have access to climate related global datasets for downscaling.

Are there any national research or development policy objectives that support your current or aspired URGENT-related research developments? Please expand on this, if so

Yes, there are a few funding options available in India through Department of Science and Technology, Ministry of environment, forest and climate change, etc.

What are specific enabling conditions or obstacles for the development of research training at your organization – in general, and in URGENT-related fields

Very few faculty members are doing research on the URGENT related fields.