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MARE research framework

Organisation profile



The name of the partner organisation:

College of the Environment and Natural Resources, Can Tho University

Contact person and e-mail address:

Prof. Le Anh Tuan

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

- 1 Department of Water Resources, CanTho University
- 2 The Research Institute for Climate Change (DRAGON Institute), Can Tho University

Current and past projects implemented at your institution and concerned with MARE 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 MARE (joint activities, agreements, ...)
Mobility for learners and staff – Higher Education Student and Staff Mobility	University of Ostrava, Faculty of Science and Can Tho University, School of Education	to cooperate for the exchange of students and/or staff in the context of the	Mathematical education	None



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PHD Programs available

Soil and Water Environment program

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

Modelling of hydrodynamics and sediment in the Mekong Delta

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

Name	Key words (2-3) describing research interests	Personal webpage, if applicable
Le Anh Tuan	Earth Sciences, applied hydrology	https://www.researchgate.net/profile/Tuan-Le-72
Huynh Vuong Thu Minh	Hydraulic and water quality assessment and modelling; GIS and remote sensing application	https://www.researchgate.net/profile/Huynh-Vuong-Thu-Minh https://orcid.org/0000-0002-0851-4757 https://sciprofiles.com/profile/667772 https://hokudai.academia.edu/MinhHuynh
Van Pham Dang Tri	Water Resources Management and Modelling	https://sites.google.com/a/ctu.edu.vn/vpdtri/home https://www.researchgate.net/profile/Tri_Van
Vo Quoc Thanh	Hydraulic modelling, GIS, Remote sensing application	
Lam Van Thinh	GIS, Civil Engineering	
Nguyen Dinh Giang Nam	Groundwater engineering and modelling; Hydraulic engineering	https://orcid.org/0000-0002-2819-4260
Nguyễn Hiếu Trung	GIS, Remote sensing, Hydraulic engineering	https://www.researchgate.net/profile/Nguyen-Trung-16

Kommentiert [B1]: Quý thầy cô bổ sung giúp

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

The College of Environment and Natural Resources (CENRes), established according to Decision No.81/QĐ-ĐHCT in 2008, is one of the educational and research institutions in Can Tho University. The college conducts its programs and activities guided by Vision, Missions and Core Values of the university.

Kommentiert [B2]: Thầy Tuấn hoặc cô Minh bổ sung giúp ạ



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A brief introduction to Can Tho University (Vision-Missions-Core Values)

- Vision
- *Can Tho University targets to be one of the leading higher education institutions in Vietnam and recognized as one of the top universities in Asia-Pacific in training and research in 2022.*
- Missions
- *Can Tho University operates its resources to be the leading national institution for education, research and technology transfer, making significant contributions to the development of high quality human resources, fostering the talents and the advancement of science and technology to cater for the regional and national socio-economic development. Can Tho University is the crucial driving force for the development of the Mekong Delta region.*
- **Core Values**
- *Consensus - Devotion - Quality – Innovation.*

In order to gain good achievements in scientific research and technology transfer in the Vietnamese Mekong Delta, the CENRes has strengthened itself, especially in the following fields: Bio-diversity conservation, environmental quality assessment, environmental toxicology, waste water and solid waste treatment in urban areas, water resource engineering, environmental impact assessment, strategic environment, environment management, land-use planning and GIS applications.

Intensive researches are to support the on-going educational programmes. In fact, different undergraduate and master theses and PhD projects have been successfully defended and many of them have been published in different national and international peer-review scientific journals.

Departments

At the moment (2018), there are five departments in CENRes, including:

1. Department of Environmental Sciences
2. Department of Environmental Engineering
3. Department of Environment Management
4. Department of Land Resources
5. Department of Water Resources

Areas of study programs

CENRes provides study programs from undergraduate level to doctorate level in various majors (Table 1).

Table 1: Educational programmes offered in CENRes (in 2018)

Education Programmes	Levels	Departments
Soil and Water Environment	PhD	Environmental Sciences
Land Management	PhD	Land Resources



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	Master	
	Undergraduate	
Environmental Sciences	Master	Environmental Sciences
	Undergraduate	
Environmental Management	Master	Environmental Management
	Undergraduate	
Environmental Engineering	Master	Environmental Engineering
	Undergraduate	
Silviculture	Undergraduate	Land Resources
Water Resource Engineering	Undergraduate	Water Resources

The Research Institute for Climate Change (DRAGON Institute), Can Tho University

The Delta Research And Global Observation Network in Mekong Institute (DRAGON-Mekong Institute) commonly known as Research Institute for Climate Change was found in June, 2008 under initiative proposed by Vietnam and United State of America. As a premier institute subordinated to Can Tho University, DRAGON-Mekong Institute is design to become an internationally recognized center of excellence for research and training on the impacts of climate change on major river deltas, and enhancing the resilience of delta communities and ecosystems to climate change.

It continues the establish tradition of approaching the processes in teaching and research as well as other services in this area. The research activities taking place at DRAGON-Mekong Institute focuses on providing a range of scenarios of showing how climate change will affect temperatures, water resources, agriculture, and many other areas both globally and regionally. It is a prior academic integrity to coordinate and collaborate in in multi-disciplinary and cross-sectorial research on climate change in the Mekong Delta and other major river deltas. DRAGON-Mekong Institute works hard to promote the development of encouragement of links between scientists, local communities, government institutions and other stakeholders. With our partnerships throughout the DRAGON network, the research center



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achieves national and global reach. DRAGON-Mekong Institute works hand in hand with with diverse stakeholders across the world. These cooperative efforts allows us to create pathways to a climate resilient future.

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

- Having the opportunity to exchange programs and sciences related to the coastal environment.
- Supporting partly a PhD student (Mr. Vo Quoc Thanh) to finish his thesis dissertation on “Modeling of hydrodynamics and sediment transport in the Mekong Delta” (Delft University of Technology, the Netherlands)

Kommentiert [B3]: Chắc mình lấy chủ đề nghiên cứu của Võ Quốc Thành và chủ đề ngày xưa mình đưa vào proposal của MARE, chị Minh thông tin giúp nhé

Obstacles and barriers hampering the aspired developments

Complicated administrative procedures and financial principles of the Government.

Kommentiert [B4]: Thầy Tuấn bổ sung giúp em

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

Hope to improve related subjects and to receive support for purchasing multimedia equipment for teaching

Kommentiert [B5]: Thầy Tuấn bổ sung giúp ạ

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

Using multimedia teaching equipment remotely;

Improving lecture notes and curriculum through exchanges with universities partners.

Kommentiert [B6]: Thầy Văn Trí xem có đề xuất chi tiết gì thêm, bổ sung giúp ạ.

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

We focus on researching solutions to protect the coastal environment and respond to climate change that may be related more or less to MARE project.

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

CTU is facing legal issues, now, all documents of Mare is still waiting for approval by MOET leading to the purchase of equipment is slow. In addition, Covid-19 pandemic, these physical meeting and seminar for sharing information and experiences with partners were limited

Kommentiert [B7]: Thầy Tuấn ơi, thầy viết mấy dòng theo điều kiện trợ ngại của mình ạ