

REPORT OF NATIONAL INTENSE DOCTORAL SCHOOL IN VIETNAM, AY 2020/21

VN INTENSE School was founded in March 2021. **Founding members:** HUST and HCMUNRE.

Governing bodies: INEST/HUST and Faculty of Environment/HCMUNRE

Key document: Cooperation Agreement on the establishment of VN INTENSE School.



The main purpose of the school: To form a cooperation model in doctoral training (INTENSE school) in the fields of Environmental Engineering and Natural Resources and Environmental Management

Activities

Key activities of the school: Academic exchange, academic mobility, training and human supply, joint scientific guidance of graduate students, preparation of joint project proposals and publications, sharing of scientific equipments.

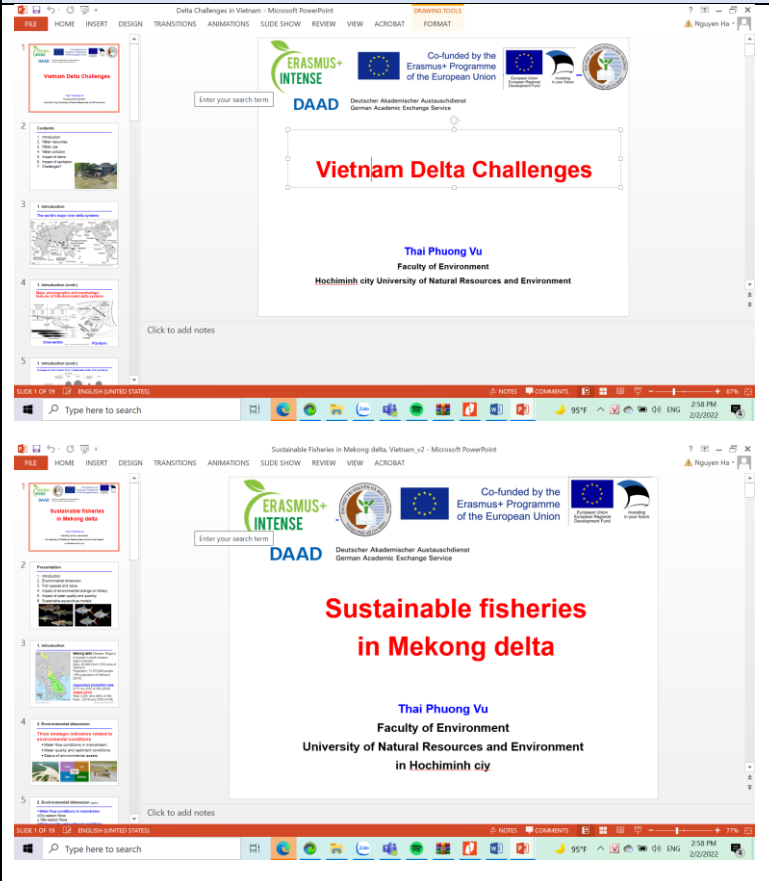
Total number of PhD students involved: 4 in HUST and 2 in HCMUNRE

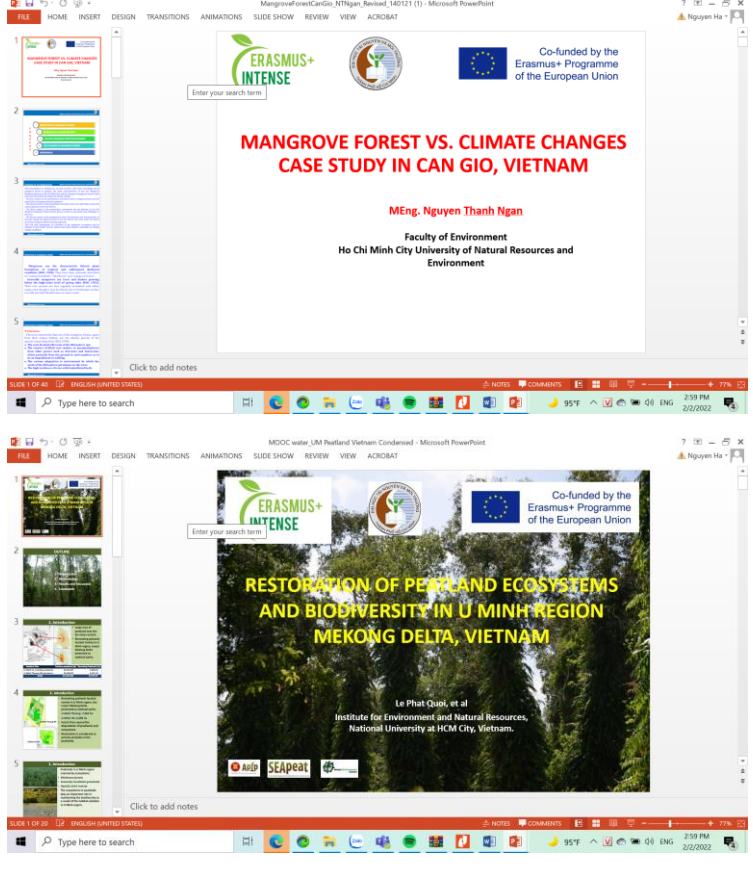
No.	Content	Time	Agency in charge	Coordinating agency	References/Pictures
I	TRAO ĐỔI HỌC THUẬT (GIẢNG VIÊN TRẺ VÀ NCS) <i>ACADEMIC EXCHANGE (For young staff and doctoral students)</i>				
1.1	<i>Not implemented yet due to the serious situation of Covid-19 pandemic in Ho Chi Minh City</i>				


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II	<i>COOPERATION IN TRAINING AND HUMAN SUPPLY</i>				
2.1	<i>The two sides cooperate to complete the detailed outlines of MOOC courses on energy (HCMUNRE: 6 courses; INEST: 2 courses)</i>	3-12/2021	HCMU NRE	INEST	 

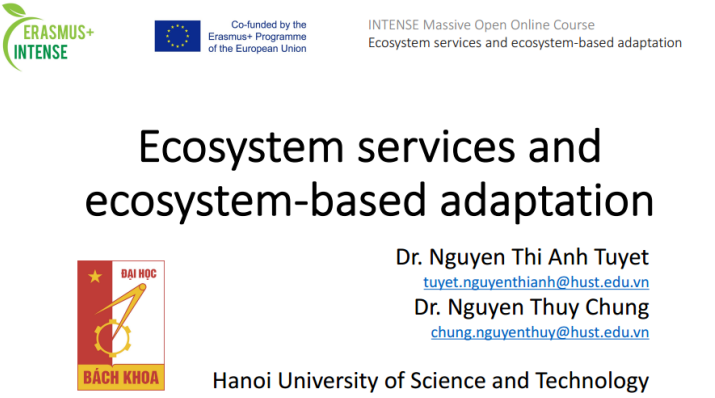

No.	Content	Time	Agency in charge	Coordinating agency	References/Pictures
					 <p>WASTE TO ENERGY FOR SUSTAINABILITY</p> <p>Assoc. Prof. Nguyen Thi Van Ha</p> <p>Ministry of Natural Resources and Environment, Vietnam Ho Chi Minh City University of Natural Resources and Environment</p> <p>INTRODUCTION OF SOLAR ENERGY</p> <p>Assoc. Prof. Nguyen Thi Van Ha</p> <p>Ministry of Natural Resources and Environment, Vietnam Ho Chi Minh City University of Natural Resources and Environment</p> <p>Impacts and Challenges with solar panels</p> <p>Assoc. Prof. Ho Thi Thanh Van</p> <ul style="list-style-type: none"> Aluminum frame Tempered glass Encapsulation - EVA Solar cells Encapsulation - EVA Back sheet Junction Box





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					 <p>The top slide includes logos for ERASMUS+ INTENSE, the Ministry of Natural Resources and Environment, Vietnam, and the European Union. It is co-funded by the Erasmus+ Programme of the European Union. The slide title is "Fuel Cells for a Sustainable Energy Future" and the presenter is Associate Professor Ho Thi Thanh Van, affiliated with the Ministry of Natural Resources and Environment, Vietnam and Ho Chi Minh City University of Natural Resources and Environment.</p> <p>The bottom slide includes logos for INTENSE, the Ministry of Natural Resources and Environment, Vietnam, and the European Union. It is co-funded by the Erasmus+ Programme of the European Union. The slide title is "Energy efficiency for buildings in Integrative solutions for Sustainable Energy Development Module" and the presenter is Ly Bich Thuy, affiliated with the School of Environmental Science and Technology, Hanoi University of Science and Technology. The date is Hanoi, May 2020.</p>



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					 <p>The image shows two screenshots of Microsoft PowerPoint presentations. The top screenshot is titled "Vietnam Delta Challenges" and the bottom one is "Sustainable fisheries in Mekong delta". Both presentations are co-funded by the Erasmus+ Programme of the European Union and DAAD (Deutscher Akademischer Austauschdienst). The presenter is Thai Phuong Vu, Faculty of Environment, University of Natural Resources and Environment in Hochiminh city.</p>

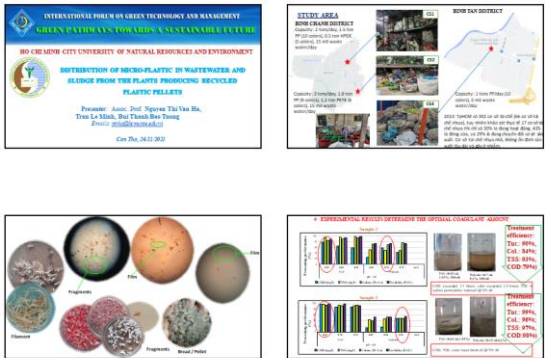

No.	Content	Time	Agency in charge	Coordinating agency	References/Pictures
					 <p>The image shows two screenshots of Microsoft PowerPoint presentations. The top presentation is titled "MANGROVE FOREST VS. CLIMATE CHANGES CASE STUDY IN CAN GIO, VIETNAM" and is presented by MEng. Nguyen Thanh Ngan, Faculty of Environment, Ho Chi Minh City University of Natural Resources and Environment. It features logos for ERASMUS+ INTENSE, the university, and the European Union. The bottom presentation is titled "RESTORATION OF PEATLAND ECOSYSTEMS AND BIODIVERSITY IN U MINH REGION MEKONG DELTA, VIETNAM" and is presented by Le Phat Quoi, et al, Institute for Environment and Natural Resources, National University at HCM City, Vietnam. It also features logos for ERASMUS+ INTENSE, the university, and the European Union.</p>


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	<p><i>The two sides send MOOC to other MOOC groups: Sustainable development; Natural based environmental solution (HCMUNRE: 4 courses; INEST: 4 courses)</i></p>				 <p>The top image shows a MOOC cover for "WATER AND SUSTAINABILITY: Integrated trans-boundary water management". It features logos for ERASMUS+ INTENSE, the European Union, and Hanoi University of Science and Technology. The instructor is Assoc. Prof. Hoang Thi Thu-Huong and Dr. Tran Thanh Chi.</p> <p>The bottom image shows a MOOC cover for "SUSTAINABLE TRANSPORTATION". It features logos for ERASMUS+ INTENSE, the European Union, and Hanoi University of Science and Technology. The instructor is Nghiem Trung Dung, with email dung.nghiemtrung@hust.edu.vn.</p>

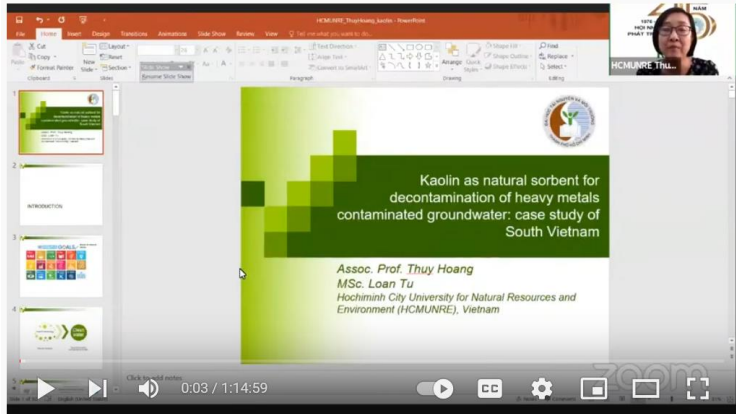
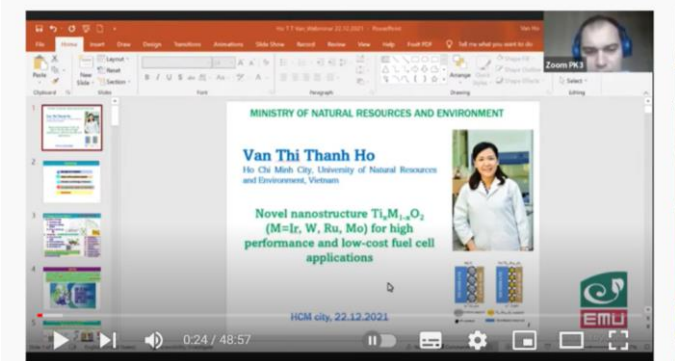
No.	Content	Time	Agency in charge	Coordinating agency	References/Pictures
					 <p>ERASMUS+ INTENSE Co-funded by the Erasmus+ Programme of the European Union INTENSE Massive Open Online Course Ecosystem services and ecosystem-based adaptation</p> <h2>Ecosystem services and ecosystem-based adaptation</h2> <p>Dr. Nguyen Thi Anh Tuyet tuyet.nguenthianh@hust.edu.vn Dr. Nguyen Thuy Chung chung.nguenthuy@hust.edu.vn Hanoi University of Science and Technology</p>  <p>ERASMUS+ INTENSE INTENSE Massive Open Online Course The Precautionary Principle and Sustainability Transition Co-funded by the Erasmus+ Programme of the European Union</p> <h2>Water pollution in river systems</h2> <p>Instructor Dr. Tran Thanh Chi Assoc. Prof. Hoang Thi Thu-Huong</p> <p>Hanoi University of Science and Technology – Vietnam</p>


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					  <p data-bbox="1624 311 1848 343">INTENSE Massive Open Online Course Module: Green-Blue Infrastructure</p> <p data-bbox="1411 438 1960 486" style="text-align: center;">PERI URBAN AND CASE STUDIES</p> <p data-bbox="1310 622 1467 662">VAN Dieu Anh anh.vandieu@hust.edu.vn</p>  
2.2	<i>The two sides cooperate to complete videos to post MOOC lectures</i>	3-12/2021	HCMU NRE	INEST	http://intense.network/intense-moocs/
2.3	<i>The two sides cooperate to review on the detailed outlines of E-learning courses for postgraduate students within the framework of the INTENSE project (experts to review)</i>	3-12/2021	HCMU NRE INEST		<p>Experts at INEST have reviewed three E-learning courses (Syllabus) for postgraduate students for HCMUNRE, including:</p> <ul style="list-style-type: none"> • Strategic Environmental Assessment (3 credits) • Wastewater Treatment Engineering (3 credits) • Ecological Engineering (2 credits)

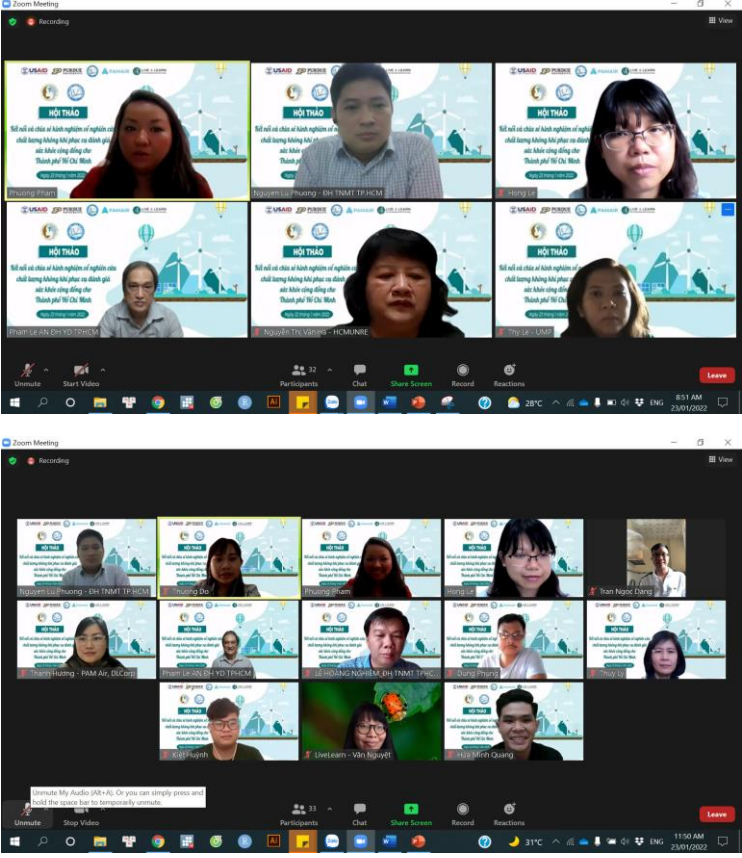
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2.4	<i>INEST supports and give reviews for new programs on Master of environmental and natural resources management (2022) and PhD of environmental engineering (2023)</i>	2022	HCMU NRE	INEST	On-going
III	<i>COOPERATION IN SCIENTIFIC RESEARCH AND KNOWLEDGE TRANSFER</i>				
3.1	<i>Continue to cooperate to implement the INTENSE project</i>	3-12/2021	HCMU NRE INEST		<p>22/10/2022 Meeting online:</p> <p>Thư mời: (Không có Chủ đề) @ th 5, 21 Thg 10, 2021 8:30AM - 9:30AM (ICT) (thuy.lybich@hust.edu.vn)</p> <p> Lịch Google <calendar-notification@google.com> on behalf of ntvha@hcmunre.edu.vn 10/21/2021 8:26 AM</p> <p>To: Ly Bich Thuy; Nguyen Thi Anh Tuyet; Hoang Thi Thu Huong; Nghiem Trung Dung</p> <p>When Thursday, October 21, 2021 8:30 AM - 9:30 AM View calendar</p> <p>Where</p> <p>✓ Accept ▼ ? Tentative ▼ ✗ Decline ▼</p> <p> invite.ics 1.97 KB</p>
3.2	<i>Jointly participation in organizing the 11th International Forum on Green Technology and Management (IFGTM) Conference at Can Tho city</i>	25 – 27/11/2021	HCMU NRE INEST		<p>Book of abstract:</p> <p>https://ifgtm2021.ctu.edu.vn/images/upload/doc/book_abstract_ifgtm2021.pdf</p>

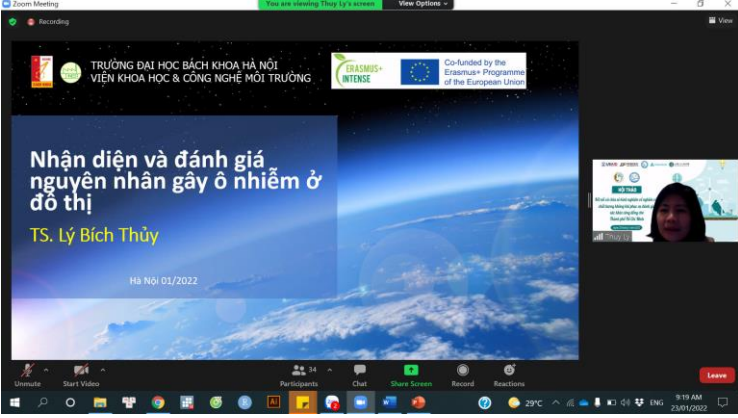
No.	Content	Time	Agency in charge	Coordinating agency	References/Pictures
					<p data-bbox="1294 284 2033 320">Oral Presentation – Assoc. Prof. Nguyen Thi Van Ha</p> 
3.3	<p data-bbox="280 1038 775 1203"><i>Coordinating to organize webinars for lecturers and Ph.D. students, master students and undergraduate students</i></p>	6-12/2022	<p data-bbox="987 1038 1102 1123">HCMU NRE</p> <p data-bbox="981 1190 1086 1225">INEST</p>		<p data-bbox="1294 852 1518 887">ToGo seminar:</p> <p data-bbox="1294 916 2033 951">Presentation by Dr. Nguyen Lu Phuong, HCMUNRE</p> 

No.	Content	Time	Agency in charge	Coordinating agency	References/Pictures
					<p data-bbox="1290 284 1989 320">https://www.youtube.com/watch?v=DpPCIZ--8s4</p> <p data-bbox="1290 347 2002 384">Presentation by Assoc. Prof. Do Khac Uan, INEST</p>  <p data-bbox="1290 852 2029 932">https://www.youtube.com/watch?v=FaqQ5q3zAKI&t=18s</p> <p data-bbox="1290 963 2002 1000">Assoc. Prof. Hoang Thi Thanh Thuy, HCMUNRE</p>

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					 <p>https://www.youtube.com/watch?v=CuW2si4Jq70</p> <p>Assoc. Prof. Ho Thi Thanh Van, HCMUNRE</p>  <p>ToGo Webinar - Dec 22, 2021</p> <p>https://www.youtube.com/watch?v=MLxbYQKX6N</p> <p>o</p>

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3.4	<i>Coordinating to develop and implement joint scientific research projects, especially those funded by MONRE or other sources</i>	2022	HCMU NRE	INEST	<p>Conference about air pollution with the participation of lecturers from HCMUNRE and INEST</p> 

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					 <p>The image contains two screenshots of a Zoom meeting recording. Both screenshots show a meeting titled 'HỘI THẢO' (Workshop) with a background of wind turbines. The top screenshot shows a 2x3 grid of participants, and the bottom screenshot shows a larger 3x5 grid of participants. The Zoom interface at the bottom of each screenshot includes controls for mute, video, chat, and screen sharing, along with a 'Leave' button. The system tray at the bottom of the screenshots shows the date and time as 23/01/2022.</p>

No.	Content	Time	Agency in charge	Coordinating agency	References/Pictures
					
3.5	<i>Coordinating to jointly publish scientific works in ISI, SCI, SCIE, Scopus-listed journals</i>	<i>When needed</i>	INEST	HCMU NRE	In preparation
3.6	<i>Inviting experts to review developing technical guidelines or textbooks</i>	2022	HCMU NRE	INEST	In preparation
IV	<i>CONNECTING TO HUMAN RESOURCES</i>				
4.1	<i>Expanding INTENSE school to other partners (students can choose the subjects in strong field of school partners)</i>	2022	HCMU NRE INEST	Viện TNMT <i>Institute of Environment &</i>	

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				<i>Resources (IER), VNU-HCM.</i> Mạng lưới IFGTM Consortium for Green Technology Management and Research	
4.2	<i>Nominating experts to supervise/evaluate the doctoral dissertations</i>	<i>When INTEST is in need</i>	INEST	HCMUNRE	Experts of HCMUNRE (Prof Nguyen Thi Van Ha, Dr. Nguyen Lu Phuong and Dr. Thai Phuong Vu) have been nominated to review the abstract of doctoral dissertation for Ph.D. student Pham Thi Hong Phuong, a doctoral student at INEST (1/2022)
4.3	<i>Inviting experts to appraise the scientific research projects of HCMUNRE.</i>	<i>When HCMUNRE is in need</i>	HCMUNRE	INEST	In preparation