



PURCHASED EQUIPMENT, DEVELOPED FACILITY AND ITS USE AT HO CHI MINH CITY UNIVERSITY OF NATURAL RESOURCES AND ENVIRONMENT UNDER THE INTENSE PROJECT

1. Introduction:

At the beginning of the INTENSE project, HCMUNRE has reviewed and updated the proposed list of equipment purchased under the project to meet the demands of the students. The purpose of purchasing equipment is to set up the E-learning classroom and computer room for students.

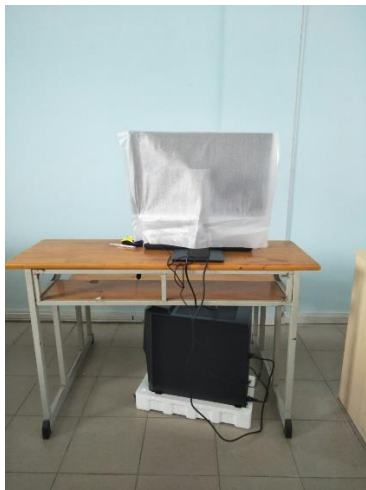


2. Tending preparation:

In the second year of the project, tender for the purchase E-learning equipment has been firstly publicly announced on the Public procurement system of Viet Nam in July 2019.

3. List of the purchased equipment:

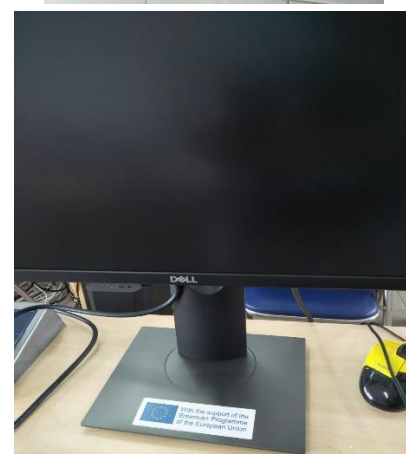
See a table on the next page



No.	Equipment/ goods	Unit	Quantity	Specification/ made in	Assurance time (month)	Photoes	
I	Main PC Set 1pc						
1	Main card	Pcs	1	Z390, Gigabyte, Viet Nam	36		
2	Core	Pcs	1	Intel Core i7- 9700, Viet Nam	36		
3	RAM	Pcs	4	DDR4 8GB, Crucial Ballistix, Viet Nam	36		
4	Screen Card	Pcs	1	Gigabyte, RTX 2060 6G, Viet Nam	36		
5	Power Cooler Master MWE Bronze 650W	Pcs	1	Cooler Master, 650W, Viet Nam	36		
6	Box	Pcs	1	Case cooler Master, Viet Nam	12		
7	Fan CPU CM Hyper 212 LED	Pcs	1	Quạt CPU, CM hyper, Viet Nam	12		
8	Hard disk SSD 860 EVO 500GB 2.5	Pcs	1	SSD, Samsung 860 Evo, Viet Nam	60		
9	Hard disk HDD PC Seagate Barracuda 1TB 3.5" SATA	Pcs	1	HDD PC, Seagate Barracuda, Viet Nam	24		
10	Screen LCD 24"	Pcs	1	Dell, 24" P2417H, made in China	36		
11	Keyboard E- Blue	Pcs	1	Keyboard, E- Blue Elated, Viet Nam	12		

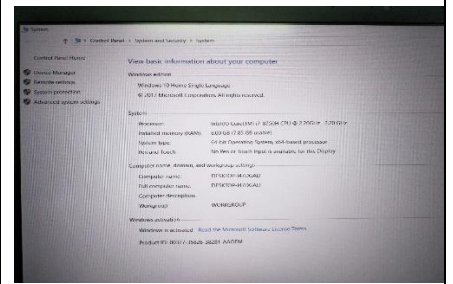


12	Mouse	Pcs	1	Mouse, Newmen G10, Viet Nam	12
13	Mouse padlet	Pcs	1	Dareu 04 XL, Viet Nam	12
14	Case Deepcool combo fan RF 120 (3 in 1)	Pcs	1	Fan case, RF 120, Viet Nam	12
II	SET 6 PC CLIENT				
1	Main card	Pcs	1	B360, Gigabyte, Viet Nam	36
2	Core	Pcs	1	Core i7- 8700, Intel, Viet Nam	36
3	RAM	Pcs	2	DDR4 8GB, Crucial Ballistix	36
4	Screen Card	Pcs	1	GeForce RTX 2060, Viet Nam	36
5	Power Cooler Master MWE Bronze 650W	Pcs	1	Power, Cooler Master 650W, Viet Nam	36
6	Box	Pcs	2	Case cooler Master, Viet Nam	12
7	Fan CPU CM Hyper 212 LED	Pcs	1	Quạt CPU, CM hyper, Viet Nam	12
8	Hard disk SSD 860 EVO 500GB 2.5"	Pcs	1	SSD, Samsung 860 Evo, Viet Nam	60
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13	Mouse padlet	Pcs	1	Dareu 04 XL, sản xuất tại VN	
14	Case Deepcool combo fan RF 120 (3 in 1)	Pcs	1	Fan case, RF 120, Viet Nam	12
III LAPTOP					
1	Lap top	Pcs	1	Laptop Dell Inspiron 5378 (I135810NIW-KG) 13.3" IPS (1920x1080) Full HD, Multi-touch, gloss / Intel Core i5-7200U (2.5 - 3.1 GHz) / RAM 8 Gb / SSD 256 Gb / Intel HD Graphics 620 / without ODD / Wi-Fi / Bluetooth 4.2 / web-camera / Windows 10 Home 64bit / 1.68 kg	24
2	Hard disk	Pcs	1	DDR4 8GB, G.Skill	36
IV Printer					
1	Multifunction printer	Pcs	1	MFC-L2701DW, Brother, made in China	12



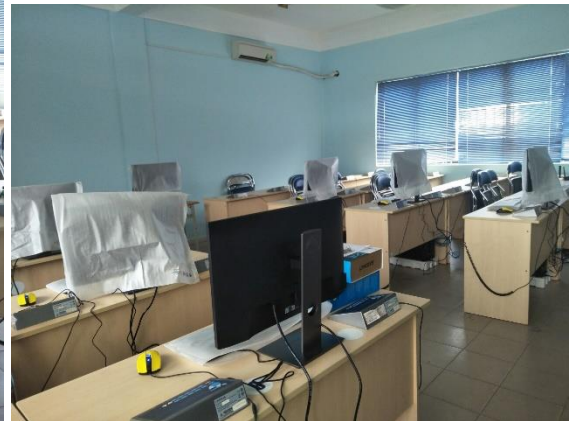


V	Internet system					
1	Internet system	Pcs	1	LGS116, Linksys 16P, made in China	36	
2	AMP RJ 45	Hộp	1	AMP CommScope	36	
3	Linksys EA8500 Wireless	Pcs	1	Linksys EA8500, made in China		
4	Cable CommScope (AMP) 5e UTP (Thùng 300m)	Box	1	UTP 5e, sản xuất tại VN		

4. Equipment Installation and training:

The equipment was installed on 11 -12 May, 2020. Some photos were shown as below:





5. E-learning classroom establishment:

This classroom is located in third floor of building A, Room A301, which belongs to Faculty of Environmentlied Sciences and used for E-learning of master and doctoral programs.

The aim of Working package 3, INTENSE was to build sufficient capacity for sustainable operation of national INTENSE schools and the international INTENSE Network by developing learning and research training infrastructure, curricula contents and learning materials; the WP was also contributed to PIs' capacity by providing training in ICT-related issues and cutting-edge multidisciplinary topics of environmental studies.



The established e-classroom is used for graduate students of the Environmental science program, but also used for all E-learning and E-teaching activities of different programs at Faculty of Environment, HCMUNRE.

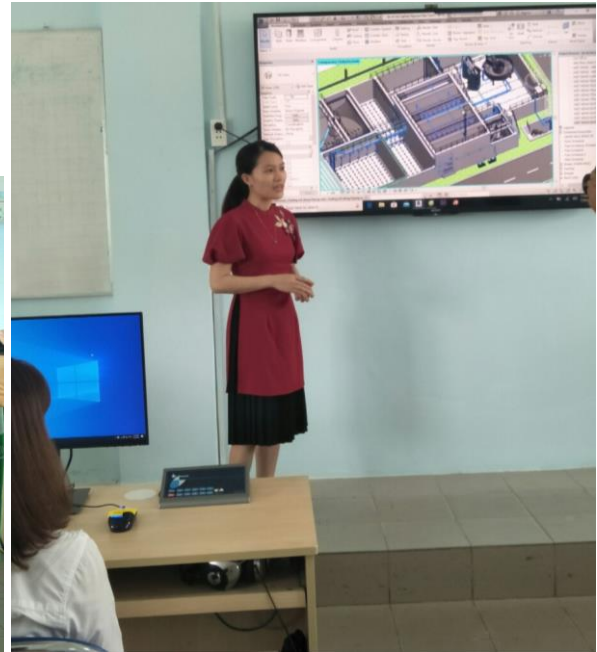
E-classroom is fully loaded during working days.

- ~ On Monday, Tuesday between 06:30 and 17:30 for under-graduated classes
- ~ On Wednesday - Friday between 06:30 and 19:30 for research students
- ~ On Saturday and Sunday between 07:30 and 17:00 for graduated classes

The following courses are actively taken place in the E-classroom are:

1. Environmental modelling
2. Solid Waste and Hazardous waste management
3. Technical Engineering Design and Drawing
4. Water supply system design
5. Waste water treatment design
6. Environmental impacts and risk assessment
7. Strategic Environmental assessment





The number of beneficiaries are about 3840 users (15 students/class * 4 classes/day * 2 days a week * 32 weeks in academic year) and 480 research students (5 students/batch * 3 days a week * 32 weeks in academic year)

8. E-training for teacher and webinars of ERASMUS and other projects:

The room is also used for on-line meeting with other partners inside and outside the INTENSE network or ERASMUS funding projects.

1. Webinar training on Stakeholder interaction in SEA on 7 October 2020 from 15 pm to 17:30 pm. This training is belongs to the other ERASMUS funding project SEA-ASIA.



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Outline

- Presentations (Dr. Abu Hanif, Gunilla Ölund-W; Rute Martins, other?)
- Background to research-policy (stakeholder) interaction
- Models for research-policy/stakeholder interaction
- Tools for research-policy/stakeholder interaction
- Stakeholder analysis & interaction planning

Participants: 19

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Dr. Hanif VU Hoang Hoa
Amphai Daraso... Md Shoaibur Ra...
Mashhura Sammi Helle Nedergaa...
Lu Phuong mostafizur Rah...

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Participants: 19

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Rute Martins Margarida Mon...
Dr. Hanif VU Hoang Hoa
Amphai Daraso... Md Shoaibur Ra...
Mashhura Sammi Helle Nedergaa...



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Caveat

- Not all of you do **research** on SEA
- Not all of you interact at **policy level**. BUT you have the **plan-** and **program** levels...
- **Policy** = government; one can interact w **other stakeholders**...:
 - public sector, private sector, civil society, local community, individuals
 - local, national, international
- => Still, the concept is important and valid; think broadly about it.

Participants: Amphai Daraso..., Md Shoaibur Ra..., Mashura Sammi, MD SHAFIQU... (video), Helle Nedergaa..., Lu Phuong, mostafizur Rah..., PHUONG TRAN...

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DISCUSSION in Mentor meetings

- What role are you currently playing?
(range: **total isolation to vibrant stakeholder interaction**)
- **Satisfied? Any possibilities to enhance your Stakeholder interaction?**
 - => with Whom, How, what Objectives?
 - What's your "Plan of attack"?
 - Any experiences that can be shared?

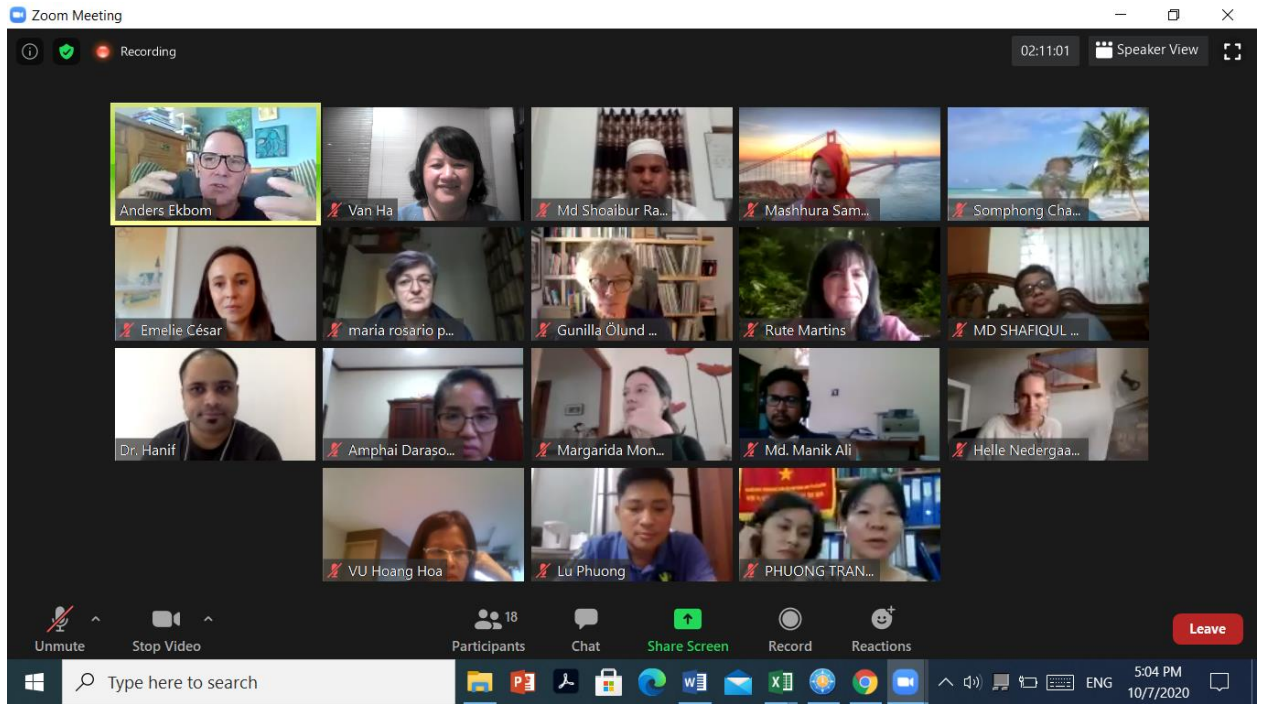
Participants: VU Hoang Hoa, Prof. Dr. Shafi Mo... (video), Lu Phuong

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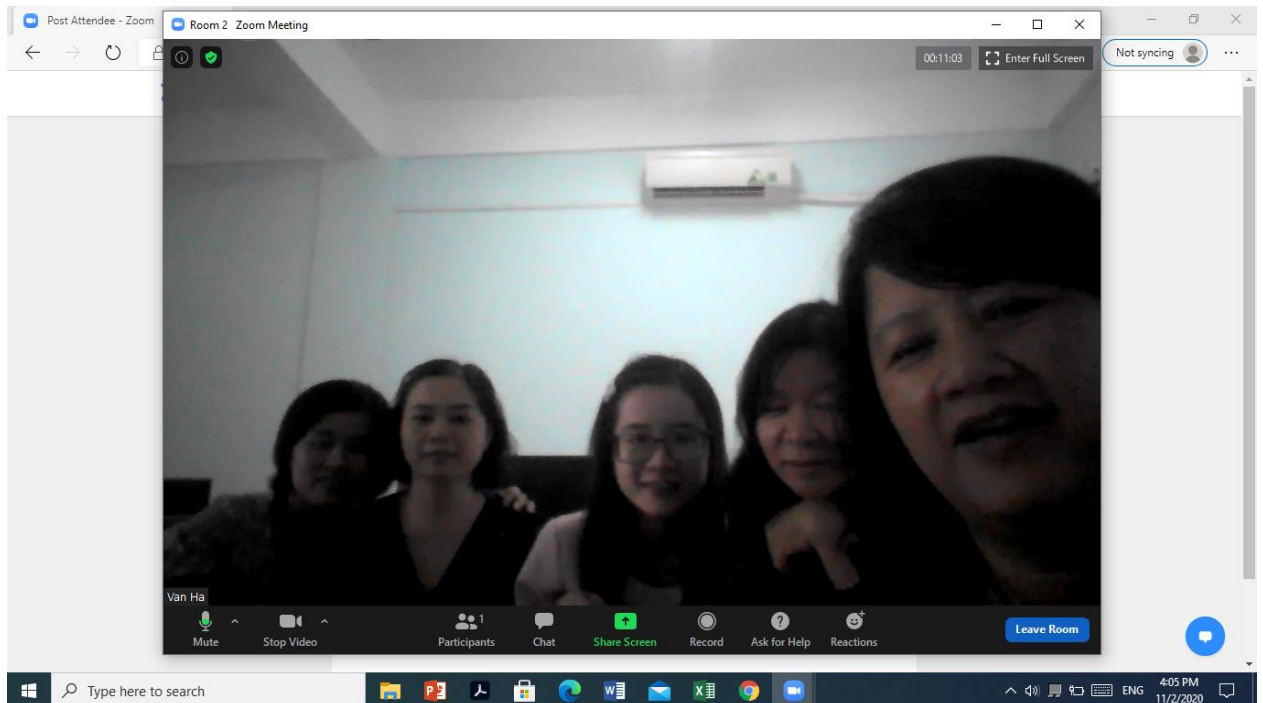
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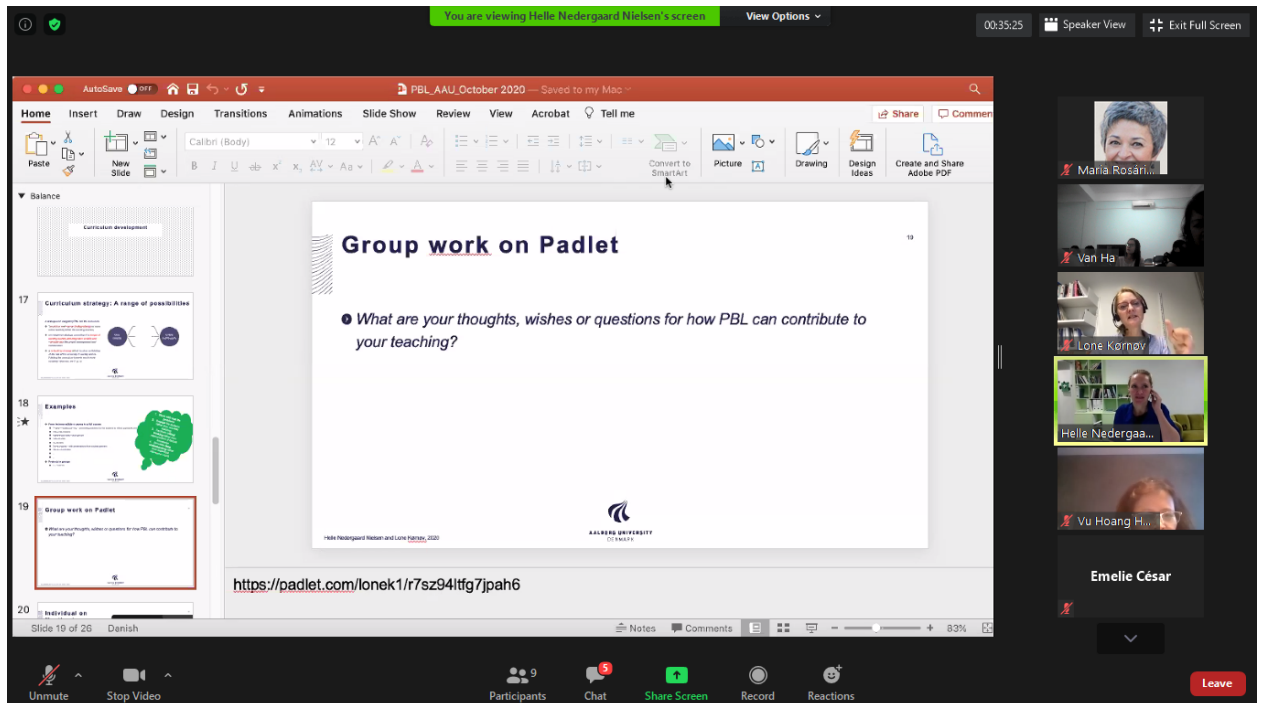
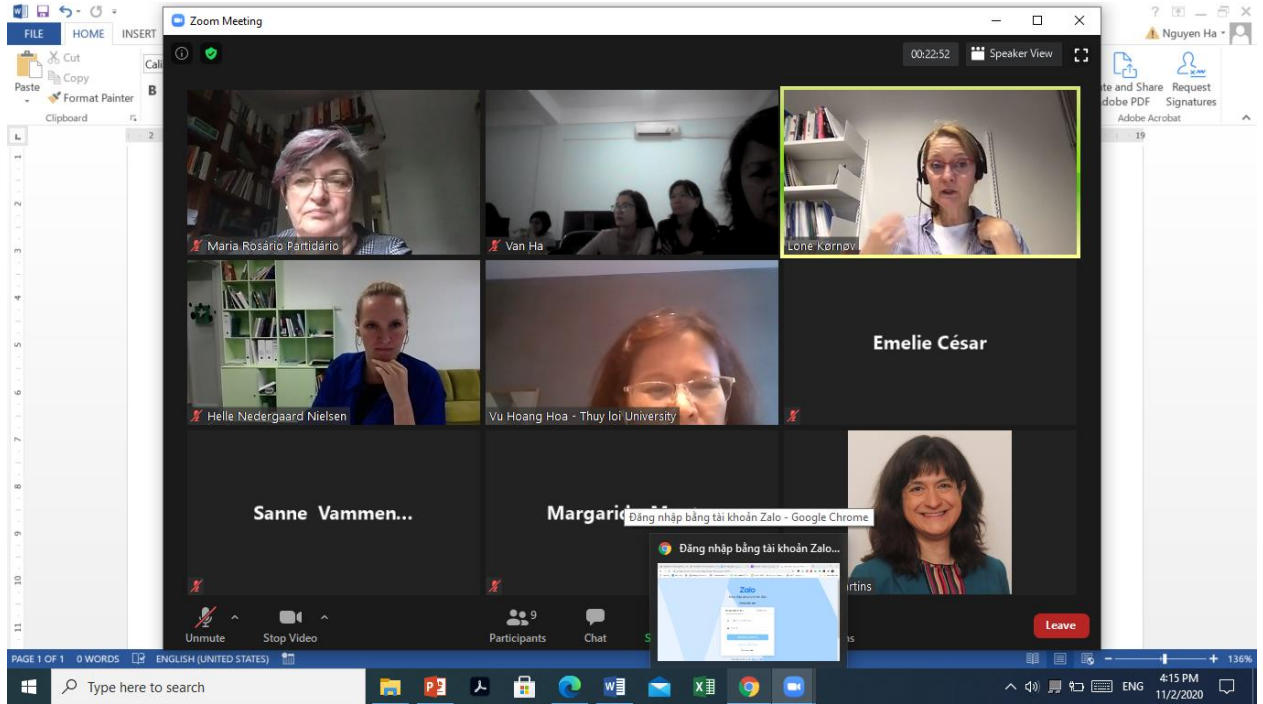


2. Webinar training on Problem based learning methods on 3 November 2020 from 15 pm to 17:30 pm.
This training is belongs to the other ERASMUS funding project SEA-ASIA.





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of the European Union



AAU is the best engineering university in Europe

- For the last four years in a row, AAU has been rated the best engineering university in Europe
- Contribution to SDGs AAU is:
 - Overall No 1 in Denmark and No 23 in the world

AAU EUROPE'S BEST ENGINEERING UNIVERSITY

For the fourth year in a row, an internationally recognized ranking rates Aalborg University as the best engineering university in Europe

Last modified: 23.10.2020

Participants: Maria Rosari..., Van Ha..., Lone Kornov..., Helle Nede..., Vu Hoang H...

Important point of departure for developing SEA curriculum

Curriculum Development

- USERS and USER NEEDS**
 - It is a prerequisite for working with authentic problems that the university has close contact with external partners.
- SOCIETAL CHALLENGES**
 - A problem appropriate to the study program serve as the basis for the learning process. A problem can be more or less theoretical and practical orientated but it needs to be authentic. "Authentic" means that it offers an opportunity to put theoretical knowledge into a practice that is relevant to the specific application of the study program.

Participants: Maria Rosari..., Van Ha..., Lone Kornov..., Helle Nede..., Vu Hoang H...

<https://padlet.com/lonek1/zg4m2aw9qh1e0xu3>



The screenshot shows a Zoom meeting in progress. The main content is a Padlet board titled "Users of SEA" by Lone Kornav. The board contains several text cards discussing societal challenges and users of SEA in Vietnam and Bangladesh. A video call interface on the right shows three participants: Van Ha, Maria Rosario Partid..., and Lone Kornav. The Zoom toolbar at the top includes controls for Unmute, Stop Video, Participants, New Share, Resume Share, Annotate, Remote Control, and Stop Share. The Windows taskbar at the bottom shows the search bar and various application icons.

Users of SEA
Who are the main users of SEA in our country - and what are their needs in relation to SEA?

SOCIETY CHALLENGES of SEA in vietnam

- no concern from the residents on SEA
- no- implement properly
- no monitoring or following up the implementation of SEA

Vietnam:
SEA users- government, consultous, donor, investor, donor

The needs might be to develop curricula, disseminate among stakeholders and trained up the graduates through appropriate learning strategies.

University authorities, govt officials are also the users of SEA in our country because they play a good role in planning in their respective fields

Students may be the users SEA of our country because after completing their graduation they have the chance to get JOB in planning commission, ministries etc

Main Societal users of SEA in Bangladesh

SEA has been introduced in our country with limited implementation mainly as a pilot studies. As curriculum very few universities introduced it. The main users of SEA are Government and its different departments, ministries. However, Government is doing SEA for many PPPs and