

2.Summerschool „Sustainable Environmental Technologies“

27.03.2023 – 06.04.2023

Day 1: 27/03/2023 Monday	09.00 – 10.30	Welcome. Round of introductions of the participants/ expectations. Introduction the course agenda.
	10:30 – 12:00	Tasks in water management in Vietnam (urban and industrial)
	12:00 – 13:00	Lunch break
	13:00 – 15:00	Tasks and requirements in waste management in Vietnam (urban and industrial)
	15:00 – 16:30	Visiting the labs of IESEM. IUH Campus tour.
	17:30 – 19:30	Dinner together
Day 2: 28/03/2023 Tuesday	8:00 – 9:30	Wastewater treatment from aquaculture facilities with the aim of reuse
	9:30 – 10:30	Particular challenge of aquaculture in terms of potential pollutants and contamination
	10:30 – 12:00	Explanation of the project task - How much plastic do I use per day?
	12:00 – 13:00	Lunch break
	13:00 – 14:00	Travel by bus to sludge treatment plant in HCMC
	14:00 – 16:30	Visiting the sludge treatment plant in HCMC (biogas and composting)
Day 3: 29/03/2023 Wednesday	08:00 – 9:30	Utilization of residual materials (sludge, recycled water) for further applications.
	9:30 – 10:30	Plastics in the environment - input pathways and environmental impacts and approaches to reduction
	10:30 – 12:00	Energetic utilization of residual materials and wastes
	12:00 – 13:00	Lunch break
	13:00 – 15:30	Travel by bus, visiting the A Chau company for MSW recycling
	15:30 – 17:00	Visiting the Tong hop 2 company for bioplastic production
Day 4: 30/03/2023 Thursday	08:00 – 09:00	Recycling and energetic potential of (plastic) waste
	09:00 – 10:30	Part 1 Aquaculture and use of residues for integrated production systems.
	10:30 – 12:00	Part 2 Aquaculture and use of residues for integrated production systems
	12:00 – 13:00	Lunch break
	13:00 – 17:00	Visiting high-tech park in Thu Duc City - HCMC - Wastewater treatment plan

		<ul style="list-style-type: none"> - Environmental management in industrial park - Visiting the Dai Viet company developing IoT application in water treatment plan
		German-Vietnamese cultural evening on Indochina Queen cruise
Day 5: 31/03/2023 Friday	8:00 - 9:30	Research on removing microplastics in water treatment, for example at Binh Duong water supply plant
	09:30 - 11:00	Waste management in the HCMC metropolitan area
	11:00 – 12:00	Introduction simple procedures water - and waste analysis
	12:00 – 13:00	Lunch break
	13:00-15:00	Laboratory-simple waste analysis and water analysis in the laboratory (group work)
	15:00-17:00	Plastic quality analysis regarding RoHS standard by EDX-Equipment
Day 6: 01/04/2023 Saturday	7:00	Pick up by bus to Long An province
	9:00 – 11:00	Visiting the pangasius farm of Vinh Hoan Company
	11:00 – 14:00	Travel and lunch break in Cao Lanh city – Dong Thap province
	14:00 – 16:00	Visiting the pangasius processing factories of Vinh Hoan Company, wastewater treatment plan
	16:00	Travel to Tram Chim National Park - Dong Thap province
	17:00	Check in and dinner
Day 7: 02/04/2023 Sunday	8:00	Breakfast and check-out
	9:00 – 12:00	Explore Tram Chim National Park
	12:00 – 13:00	Lunch break
	13:00	Back to HCMC
	16:00	Arrive in HCMC
Day 8: 03/04/2023 Monday	9:00 – 12:00	Business game Development of an aquaculture plant concept with a focus on recirculation, sustainability and food safety
	12:00 – 13:00	Lunch break
	13:00 – 15:00	Evaluation of laboratory analyses (group work)
	15:00 – 17:00	Group work, discussion with industrial partner
Tag 9: 04/04/2023 Tuesday	7:00	Pick up by bus to Binh Duong province
	9:00 – 11:30	Visiting the waste treatment complex in Ben Cat district: composting, incineration, landfill, generating electricity from landfill gas, waste water treatment plan, recycling.
	12:00 – 13:00	Lunch break
	13:00	Travel to the German-Vietnamese University
	13:30 -14:15	International projects UAS Hof in the field of water and environment as well as study opportunities at UAS Hof.

	14:15 – 15:00	International projects UAS Magdeburg-Stendal in the field of water and environment as well as study and research opportunities at UAS Magdeburg-Stendal
	15:00 -16:00	Visiting laboratories of VGU
	17:30 – 19:00	Dinner in Binh Duong province
	19:00	Back to HCMC
Tag 10: 05/04/2023 Wednesday	8:00 - 10:30	Group work for final presentation
	10:30 – 12:00	Final presentation (group work)
	12:00 – 13:00	Lunch break
	13:00 – 13:30	Study and research opportunities at the UAS Magdeburg-Stendal and at the UAS Hof (Germany)
	13:30 -14:00	DAAD program lines for study and research stays in Germany
	14:00 -15:00	Open discussion about the summer school and research approaches (topics, programs..)
	15:00 -16 :00	Outlook for further summer schools and topics
	16:00 -16:30	Delivery certificates, Group foto
	17:00 -19:00	Closing event with lunch

Teachers:

Prof. Dr.-Ing. habil Jürgen Wiese from the UAS Magdeburg-Stendal (Germany)

Dr. Harvey Harbach from the UAS Hof (Germany)

Dipl.-Ing. Kirstin Neumann from the UAS Magdeburg-Stendal (Germany)

Assoc. Prof. Le Hung Anh from the IUH (Vietnam)

Dr. Nguyen Thi Thanh Truc from IUH (Vietnam)

Industrial partner:

M.Sc. Ho Quang Long from STD & S Co.Ltd (Vietnam)

Dipl.Ing. Phan Thanh Huy Cuong from IoT Dai Viet Company (Vietnam)

Link đăng ký:

<https://forms.gle/BPL26DaUCj3qknRZ8>