

Schedule of Workshop with student participation

Training students to solve applied environmental problems

under the joint ASEAN-Russia projects:

- 1) Development of a model for integrating innovative technologies in agriculture to raise the economic potential of remote areas in the ASEAN countries and Russia (AGF/AGF/23/003/REG)
- 2) Training of students of environmental specialties in ASEAN countries to develop a methodology for the restoration and maintenance of the ecological balance of Lake Buyan through an experimental project-oriented curriculum (SCT/MRN/23/002/REG).

Time: 22 - 31 August 2024

Venue: Inna Bali Heritage Hotel, Bali, Indonesia

Format: off-line + on-line

About

The main idea of our workshop could be said in one phrase - Science, Education and Business for society. We are going to discuss the state ecosystems of the lakes, developing the remote areas Geographical Information Systems as the basis for environmental projects, and training students in using modern eco-solutions.

Participants:

Vietnam: Vietnam National University - Hanoi University of Science

Russia: Lomonosov MSU

Indonesia: Udayana University, Cordova University, Mataram University

Philippines: Mariano Marcos State University

Thailand: Asian Institute of Technologies

Laos: Savannakhet University

India: University of Kota

Time	Event	Key Speakers	Notes
22.08.2024 Thursday			
9:30 - 10:00	Participants registration		online participation available
10:00 - 10:15	Opening remarks	Nataliya Shchegolkova, I Ketut Suada, Nguyen Thi Ha	
10:15 - 10:30	Brief information about the project "Training of students of environmental specialties in ASEAN countries to develop a methodology for the restoration and	Nataliya Shchegolkova, I Ketut Suada	

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	maintenance of the ecological balance of Lake Buyan through an experimental project-oriented curriculum”		
10:30 - 10:45	Brief information about the project “Development of a model for integrating innovative technologies in agriculture to raise the economic potential of remote areas in the ASEAN countries and Russia”	Nataliya Shchegolkova, Nguyen Thi Ha	
10:45 - 11:05	A new vision of social projects and importance of student activity	Nataliya Shchegolkova, Svetlana Kazantseva	
10:05 - 11:30	Geographical information systems as the basis for implementing environmental solutions and developing remote areas.	Pavel Kargashin, Vanda Vulvach	
11:30 - 12:00	Coffee break		
12:00 - 14:00	Scientific quest “GIS-construction”*	Pavel Kargashin, Vanda Vulvach	
14:00 - 14:15	Photo session		
17:00 - 19:00	Welcome dinner		
23.08.2024 Friday			
10:00 - 14:00	Field experiment: Modeling the man-made disaster and real-life mitigating the environmental consequences with discussion of optimal measures and system of monitoring*	Pavel Kargashin, I Ketut Suada, Vanda Vulvach, Amalia Litvinova, I Gusti Yogi Ari Putra	
24.08.2024 Saturday			
10:00 - 10:10	The game It’sOnYou as a way of training students in resolving environmental cases.	Pavel Kargashin	online participation available
10:10 - 12:00	The Game It’sOnYou. Training game*	Pavel Kargashin	
12:00 - 12:30	Coffee Break		
12:30 - 13:30	Master class: Developing ecological tasks*	Pavel Kargashin	
13:30 - 14:00	Presentation of the computer version of educational ecological game It’sOnYou	Pavel Kargashin Sergey Eliseev	
14:00 - 15:00	Lunch		
15:00 - 16:00	Testing the computer version of educational ecological game It’sOnYou	Pavel Kargashin Sergey Eliseev	
25.08.2024 Sunday			
10:00 - 10:40	Water pollution of the lakes: sources of pollution and methods of modeling	Nataliya Shchegolkova, Svetlana Kazantseva	
10:40 - 11:10	Environmental researches on the lakes and on the surrounding territory	Yulianto Suteja, Angelika Astaikina	
11:10 - 11:30	Lakes in Thailand: protection and cleaning the water bodies	Thammarat Koottatep,	

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		Suraj Pradhan	
11:30 - 12:00	Coffee break		
12:00 - 12:30	Local vision of Buyan Lake	Local Authorities, I Ketut Suada	
12:30 - 13:30	Testing students' understanding of the methodology for studying lakes (reservoirs)	Nataliya Shchegolkova, Amalia Litvinova	
13:30 - 14:30	Lunch		
15:00 - 16:00	Student council activity**	Amalia Litvinova, I Gusti Yogi Ari Putra	
26.08.2024 Monday			
8:00 - 18:00	Field trip to Buyan Lake with environmental and social survey*	Local Authorities, I Ketut Suada	
27.08.2024 Tuesday			
10:00 - 10:10	Regional problems of the lakes in ASEAN Countries	Pavel Kargashin	
10:10 - 10:30	Buyan Lake: the state and ecology	I Ketut Suada	
10:30 - 10:50	Steps to clean Lake Lebo Taliwang from Mercury and Excess Hazardous Elements with Filtration method	Abdul Rahman, Tri putri andini, Fitria Marchelina	
10:50 - 11:10	Soil health in Ilocos Philippines. Challenges and solution	Janet Villamor	
11:10 - 11:30	Regional social project promoted by Mataram University	Yusuf Akhyar Sutaryono, Suhardi	
11:30 - 12:00	Coffee break		
12:00 - 13:00	Round table: Developing new solutions for lakes protection and and remediation on example of Buyan Lake*	Nataliya Shchegolkova, Pavel Kargashin	
13:00 - 14:00	Lunch		
14:00 - 16:00	Student council activity**	Amalia Litvinova, I Gusti Yogi Ari Putra	
28.08.2024 Wednesday			
09:00 - 17:00	Field trip (the place will be announced later)		
29.08.2024 Thursday			
10:00 - 10:20	The environmental issues of remote areas in the Northern Vietnam and solutions	Nguyen Thi Ha	online participanc e available
10:20 - 10:40	Initiative project from VNU-HUS students	Nguyễn Phan Anh, An Tùng Dương	
10:40 - 11:00	Initiative project from MMSU students	Carl Joshua Libertino, Felice Casil	
11:00 - 11:20	Initiative project from Savannakhet University students	Linna SIKHONGTHON, Phisitxay XAYYAVONG	
11:20 - 11:40	Initiative project from UNUD students	Representatives of UNUD	
11:40 - 12:10	Coffee break		

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12:10 - 13:30	Round table: Analysis of data about Buyan lake*	Nataliya Shchegolkova, Svetlana Kazantseva, Yulianto Suteja	
13:30 - 14:30	Lunch		
14:30 - 17:00	Student council activity**	Amalia Litvinova, I Gusti Yogi Ari Putra	
30.08.2024 Friday			
10:00 - 10:30	Media content for education, science to support the research, spread knowledge and promote the projects	Amalia Litvinova, I Gusti Yogi Ari Putra	online participation available
10:30 - 11:00	Project-oriented education	Nataliya Shchegolkova, Svetlana Kazantseva	
11:00 - 11:30	Round table: the initiatives of the student council for developing remote areas and protecting the lakes in ASEAN countries	Amalia Litvinova, I Gusti Yogi Ari Putra	
11:30 - 12:00	Coffee break		
12:00 - 13:00	Ceremony	Pavel Kargashin, Amalia Litvinova	
19:00	Dinner		

*Events for all participants.

**Student council activity is not only for the students, the teachers can join the meetings, master classes etc. The idea of all activities is to show how the scientific project appears, step-by-step, from the idea to the report, including the media content.

Organizing committee:

Dr. Natalia Shchegolkova, Dr. Pavel Kargashin, Dr. Angelika Astaikina, Konstantin Romanenko, Svetlana Kazantseva, Prof. I Ketut Suada, Dr. Nguyen Thi Ha, Dr. Janet Villamor