

Finale event of the Erasmus+ INOWASIA Project
International Conference on
Southeast Asian Water Jobs for Environmental Sustainability (SEAWAT)
18th – 20th November 2023

Saturday, 18th November 2023 (Day 1/3)

Venue: Angkor Paradise Hotel Conference room (Siem Reap, Cambodia)

Topic: Capacity Building of Water Professionals in the Southeast Asian Region

Time	Activities	Moderator
7:30 – 8:30	Registration	NUBB Team
8:30 – 9:30	<p style="text-align: center;">Opening session</p> <ul style="list-style-type: none"> ● Welcome address by H.E. SOK Khorn, Rector of NUBB ● Remarks by Prof. Dr. Ignasi Rodríguez-Roda, INOWASIA Project Coordinator ● Opening remarks by the Secretary of State of the Ministry of Education (MoEYS) – Cambodia. ● Appreciation Certificate handover to Sponsors. ● Group photo session 	NUBB Team
9:30-10:00	Coffee break / Poster exhibition	NUBB Team
10:00 -11:00	<p style="text-align: center;">Thematic 1: Innovative Multi Level Education Programs for the Emerging Water Market.</p> <p style="text-align: center;">Keynote address</p> <p>10:00-10:30 “Research and Educational Challenges in Water Resources in Cambodia and the SEA Region” by (TBC)</p> <p>10:30-11:00 "Innovation in Education: Redefining Teaching for the 21st Century" by Prof. Dr. Ignasi Rodríguez-Roda, University of Girona, Spain</p>	Dr. Santi Kongmany
11:00 -12:00	<p>Roundtable 1: Empowering Water Professionals in Southeast Asia to achieve the SDGs.</p> <p><i>Panellists:</i></p> <ul style="list-style-type: none"> ● Dr. Didier Orange, IRD ● Dr Ratha Chea, NUBB ● WaterAid ● Apsara Authority ● UdG 	Moderator: Dr. Bounmy KEOHAVONG
12:00 – 13:00	LUNCH	NUBB Team
13:00 – 15:00	<p>Thematic 2: Enhancing Water-Related Education and Research via University-Industry Collaboration</p> <p style="text-align: center;">Plenary Talks</p>	Dr. TRAN Dinh Trinh

13:00-13:20	“University-Industry Cooperation at ITC” by Dr. SANG Davin , UIL ITC, Cambodia	
13:20-13:40	“Public-Private Collaboration in the Water Sector” by Xavier AMORES , Catalan Water Partnership, Spain	
13:40-14:00	“Trends & Challenges in the Global Water Labor Market” by Pau P. Busquets , RAMBOLL Company, Spain	
14:00-14:20	Possible Talk: Water-Oriented Living Labs (WoLL) as a Tool for Training Future Water Professionals (TBC)	
14:20-14:40	Possible Talk: “Pathway to Achieve Sustainable Development Goals (SDGs): An Insight from Curriculum Development and Implementation” by Dr. Ratha Chea, Dean of Graduate School, NUBB Cambodia	
14:40-15:00	Additional Topics: <ul style="list-style-type: none"> ❖ Collaboration for Innovation in the Water Sector ❖ Collaborative Water Research and Educational Programs in the SEA Region. ❖ Governance of Public-Private Partnerships for Water ❖ Good Practices and Lessons Learned from Europe and Southeast Asia on University-Industry Cooperation 	
15:00 – 15:20	Coffee break / Poster exhibition	NUBB Team
15:20 – 16:20	Roundtable 2: Bridging the water skill gaps to respond to the water labour market needs in SEA Panellists: <ul style="list-style-type: none"> ● FSUB: Dr. Antonina Torrens, Solidarity Foundation of the University of Barcelona, Spain. ● ITC: Institute of Technology of Cambodia ● NUOL: National University of Laos (Vientiane, Laos). ● CTU: Can Tho University (Can Tho, Vietnam). ● APC members: TBC 	Dr. EANG Khyeam
16:20 – 17:00	Wrap-up session & Discussion	Prof. Dr. Ignasi Rodriguez-Roda
18:00 – 21:00	Gala dinner at Mekong Restaurant	NUBB Team

Sunday, 19th November 2023 (Day 2/3)

Venue: Angkor Paradise Hotel Conference room (Siem Reap, Cambodia)

International Symposium “Southeast Asian Water Jobs for Environmental Sustainability” (SEAWAT)

Topic: Scientific research focusing on water and environmental sustainability

Time	Activities	Moderator
08:30-10:00	Thematic 3: Environmental Sustainability in Southeast Asia and Water Management Challenges	Dr. Ratha Chea
	Keynote address	
08:30-08:50	“Direction and Perspectives of TSA to Ensure the Sustainable Uses of Tonle Sap Ecosystem Services Facing Global Changes” by H.E. HELL Tony , Vice Chairman of Tonle Sap Authority	
08:50-09:10	“Priorities for Water and Biodiversity Conservation and Needs in SEA Region” by Prof Judith Fisher (IPBES Multidisciplinary Expert Panel), University of Western Australia (UWA), Perth, Australia	
	Plenary talks	
09:10-09:30	“Trade-off between Biodiversity Conservation and Economic Development in the Mekong River Basin” by Dr. Ratha Sor , Dean of Graduate School, National University of CheaSim Kamchaymea (NUCK), Cambodia.	
09:30-10:00	“Wat-Health Project: Water and Health Risks in Cambodia's Floodplains” by Dr. Sylvain Massuel , Development Research institute (IRD), France.	
10:00-10:30	Coffee break / Poster exhibition	
10:30 –12:00	Plenary talks	Dr. Ratha Seng
10:30-10:45	“Urban Flood Risk Assessments in Cambodia” by Dr. Kong Chhuon , Dean of Faculty of Hydrology at ITC, Cambodia	
10:45-11:00	“Assessment of Water Quality and Health Risks in the Steung Sen River” by Dr. Rina Heu , Faculty of Hydrology, ITC, Cambodia	
11:00-11:15	“Physical Degradation of Soil in Cambodia” by Dr. Ratha Muon , Faculty of Hydrology, ITC, Cambodia	
11:15-11:30	“Socio-economic Impact Assessment of Sea Level Rises in the Coastal Area of Cambodia” by Dr. Ratha Duong , Faculty of Hydrology, ITC, Cambodia	
11:30-11:45	“Study of the modelling tank for the absorption wastewater treatment by charcoal at Souphanouvong University” By Anousith VANNAPHON , Souphanouvong University, Lao PDR	

12:00-13:00	LUNCH	NUBB Team
13:00-14:40	<p>Thematic 4: Ecosystem function and biodiversity conservation facing global change</p> <p style="text-align: center;">Plenary talks</p>	Dr. Kong Chhuon
13:00-13:20	"Adapting Livelihoods in the Evolving Tonle Sap: Shifting from Fisheries Dependency to Community-Based Tourism" by H.E. Dr. Ratha Seng , ECOSOC, Council of Ministers of Cambodia.	
13:20-13:40	"Exploring Water Quality Patterns and Diatom Communities in the Sangker River Catchment" by Dr. Loïc Tudesque , Research engineer CNRS/EDB Toulouse.	
13:40-14:00	"Nature-Based Solutions for water management and protect ecosystem services" by Prof. Dr. Antonina Torrens Armengol , University of Barcelona, Spain.	
14:00-14:20	"Effects of Land-Use and Land-Cover (LULC) Changes on Water Quality in Cambodia's Largest Northwestern River, the Sangker River" by Socheat Chrea , PhD student researcher, NUBB Cambodia.	
14:20-14:40	"SmartCleanGarden concept: Biodiversity and IOT systems for water saving and reuse" by Prof. Dr. Magali Gérino , University of Toulouse, and Dr. Didier Orange , IRD, University of Montpellier, France.	
14:40-15:00	Coffee break / Poster exhibition	
15:00-17:00	Keynote addresses	Moderator: Dr. Ratha Sor
15:00-15:30	"Preserving Productivity and Ecosystem Function of the Tonle Sap Great Lake in the Context of Global Change: Lessons Learned and Perspectives" by Dr. Ratha Chea , Dean of Graduate School & PI-JEAI AGROECO, NUBB Cambodia.	Panellists: H.E. Tony HELL, TSA
15:30-16:00	"Challenges and Support for Water and Biodiversity Conservation in Cambodia and the Southeast Asia Region" by Dr. Emma Rochelle-Newal , Director of ECOBIO Department, IRD France.	Dr. Pascal Jouquet, IRD Dr. Kong Chhuon, ITC Dr. Ratha Chea, NUBB
16:00-17:00	<p>Research Gaps in the Tonle Sap Lake & the Mekong Region: Future Research Directions</p> <ul style="list-style-type: none"> • New Proposal collaborations. • Funding opportunities (New calls - World Bank) • Paper Collaboration 	Dr. Kong Heng, IFReDI (FiA) The World Bank
17:00 - 17:30	<p>Closing Session</p> <ul style="list-style-type: none"> • Concluding Remarks • Poster Awards & Certificate handover • Announcement of Tonle Sap Field Trip 	Prof. Dr. Ignasi Rodriguez-Roda , INOWASIA PC H.E. SOK Khorn , Rector of NUBB

Monday, 20th Monday 2023 – Tonle Sap field trip (Day 3/3)

Venue: Angkor Paradise Hotel (Siem Reap, Cambodia)

Purpose: Tonle Sap Lake Field trip (UNESCO Biosphere Reserve)

Time	Activities	Moderator
06:00	Departure from hotel	NUBB Team
07:00	Arrival at Kampong Phluk village (Tonle Sap Lake landing site) Embark on the boat <i>Visiting purposes:</i> <ul style="list-style-type: none"> • Flood pulse lake systems • Biodiversity hotspots & landscape (fisheries & OAAs resources, flooded forest, etc) • Water related issues & research projects • Floating village & livelihoods (hygiene & sanitation) <p style="text-align: center;">Lunch on the boat</p>	NUBB Team
15:00	Arrival at Kampong Phluk landing	NUBB Team
16:00	Arrival at hotel	NUBB Team

Remarks: Participants are requested to register in advance and the price for the registration of Tonle Sap field trip is **40 USD** per person. Payment shall be made on the first day of conference registration.