

Synthesis Workshop of the Project “Sustainability Transformation Across the Region (STAR)” and the Project “Science Harnessed for ASEAN Regional Policy (SHARP)”

A Workshop on UNESCO Sustainability Science Demonstration Sites in Asia Pacific



2-4 November 2016
The Frangipani Langkawi Resort & Spa,
Langkawi, MALAYSIA

Organised by



UNESCO Jakarta
Regional Science Bureau for Asia and the Pacific



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Background

As outlined by the Sustainability Science Programme at Harvard University's Center for International Development: "Sustainability Science is an emerging field of problem-driven, interdisciplinary scholarship that seeks to facilitate interventions that foster shared prosperity and reduced poverty while protecting the environment. It offers integrated scientific learning, with a greater focus on sustainability along with a greater community relevant understanding of the human environmental interrelatedness. The field is defined by the problems it addresses rather than the disciplines it employs. It draws from multiple disciplines of the natural, social, and engineering sciences, from the professions, and from practical field experience in business, government, and civil society".

UNESCO office Jakarta, in its capacity as the Regional Science Bureau for Asia and the Pacific, is implementing the project on "Sustainability Transformation Across the Region (STAR)" supported by Japanese Funds-in-Trust (JFIT) and the project "Science Harnessed for ASEAN Regional Policy (SHARP)" supported by Malaysian Funds-In-Trust (MFIT) in order to implement sustainability science approach to solve water related socio-environmental issues. Existing frameworks and models developed through a multilevel (community, pilot area and national level) participatory process and involving several regional institutions, universities, research institutes and other governmental institutions have been assessed through the implementation of these projects which have been implemented and demonstration sites have been established in three countries across the region:

- Siem Reap, Cambodia: "Establishment of Sustainable Science Demonstration Project on Restoring and Enhancing Angkor World Heritage Site and Siem Reap City Water Systems".
- Ifugao Rice Terraces, Philippines: "Establishment of Sustainable Science Demonstration Project on Rice Terraces of the Philippines Cordilleras".
- Langat River Basin, Malaysia: "Establishment of Sustainable Science Demonstration Project on Restoring and Managing Langat River, Malaysia for Future".
- Langkawi Geopark, Malaysia: "Establishment of Sustainability Science Demonstration Site on Water and Environmental Sustainability Education Linked With Ecotourism in Langkawi Geopark".
- Davao, Philippines: Demonstration site on "Enhancing Resilience to Disasters of Urban Water Systems of Mindanao".

The project is contributing to deliver a clear understanding of sustainability science approach to implement it and produce outcomes at local and regional levels including policy aspects. In addition, a platform will be established as the depository of sustainability science best practices and development of a regional framework and tools.

Scope of the Workshop

The synthesis workshop brings the partners and stakeholders which have been involved in the implementation of the projects to share results of their activities and studies. These stakeholders will share the challenges and difficulties encountered during the implementation phase as well as the solutions adopted or proposed.

Workshop Details

The workshop is organised from 2 to 4 November 2016 in Langkawi, Malaysia. It is organized with the valuable support of the Japanese Funds-in-Trust and Malaysian Funds-in-Trust. The workshop aims to bring together around 55 participants, including policy makers, sustainability science experts, academicians, stakeholders and local experts from Malaysia as UNESCO colleagues and partners.

Workshop Programme

1. Discussion and drafting on implementing Sustainability Science at demonstration sites
2. Sustainability Science: linking Science & Society
3. Discussion and drafting session on lessons learnt on implementing UNESCO Sustainability Science demonstration sites
4. Plenary session: Presenting of framework and photo story
5. Presentation on demonstration sites and findings
6. Current environmental Sustainability programmes in ASEAN
7. Presentation on environmental sustainability initiatives

Wednesday, 02 November 2016 (*Partners and Stakeholders Only)

	Time	Programme Agenda	Resource Persons
REGISTRATION	13:30-14:00	Registration of participants	
	14:00-14:20	Introduction and expectation of the workshop	Prof. Dr. Shahbaz Khan (UNESCO Jakarta) & Dr. Rahmah Elfithri (LESTARI UKM)
SESSION I: Discussion and Drafting on Implementing Sustainability Science at Demonstration Sites	14:20-14:50	Integrative Socio-Environmental Approaches of 5 Demonstration Sites	Dr. Tahmina Rashid (University of Canberra)
	14:50-15:50	Discussion with Demonstration site partner in terms of Social Perspective	
		Working Coffee	
	15:50-17:50	Drafting Session (Cont.)	

Thursday, 03 November 2016 (*Partners and Stakeholders Only)

	Time	Programme Agenda	Resource Persons
REGISTRATION	08:30-09:00	Registration of participants	
SESSION II: Sustainability Science: Linking Science and Society	09:00-09:30	Sustainability Science implementation framework	UNESCO
	09:30-09:45	Q & A Session	
	09:45-10:00	TEA BREAK	
SESSION III: Discussion and drafting session on lesson learnt on Implementing UNESCO Sustainability Science demonstration sites	10:00-10:30	Introduction to Photo Story and Break Out Groups (5 demo sites)	UNESCO
	10:30-11:30	Break Out Group Session on implementation of Sustainability Science Framework from each demonstration sites	
	11:30-12:30	Break Out Group Session on Photo story writing from each demonstration sites	
	12:30-14:00	LUNCH & PRAYER BREAK	

	Time	Programme Agenda	Resource Persons
Plenary Session: Presenting of Framework and Photo story	14:00-14:30	Group 1: Langat	
	14:30-14:45	Discussion	
	14:45-15:15	Group 2: Ifugao	
	15:15-15:30	Discussion	
	15:30-16:00	Group 3: Siem Reap	
	16:00-16:15	Discussion	
	16:15-16:45	Group 4: Davao	
	16:45-17:00	Discussion	
	17:00-17:30	Group 5: Langkawi	
	17:30-17:45	Discussion	
	17:45-18:00	Synthesis Session	
	18:00	TEA BREAK	
	20:00-22.00	WELCOME DINNER	

Friday, 04 November 2016

	Time	Programme Agenda	Resource Person
REGISTRATION	08:30-09:00	Registration of Participants	
OPENING SESSION	09:00-09:10	Welcome remarks	Prof. Dato' Dr. Mazlin bin Mokhtar (UKM)
	09:10-09:20	Opening remarks by Director and Representative UNESCO Regional Science Bureau for Asia and the Pacific	Prof. Shahbaz Khan (UNESCO Jakarta)
	09:20-09:25	MUCP and Sustainability Science	Mr. Khairul Adib Abd. Rahman (Malaysian NATCOM)
	09:25-09:30	MEXT and JFIT support to Sustainability Science initiative	Japanese NATCOM (TBC)
	09:30-09.50	Tea Break and Photo Session	

SESSION IV: Presentation on Demonstration Sites and Findings from Day 2	09:50- 10:20	Presentation of Demonstration Site: Langat River Basin (JFIT)	Dr. Rahmah Elfithri (LESTARI UKM) + Ms. Haslina Amer (LUAS)
	10:20- 10:50	Presentation of Demonstration Site: Ifugao (JFIT)	Hon. Jose T. Gullitiw (Ifugao Province Vice Governor) + Prof. Ivan Henares (University of the Philippines) + Ms. Joan Sheelah O. Nalliw (Municipal Council of Mayoyao Representative)
	10:50- 11:20	Presentation of Demonstration Site: Siem Reap (JFIT + MFIT)	Dr. Chamrouen Sok (UNESCO Phnom Penh) + Mr. Long Kheng (Dept of Freshwater Wetlands Conservation) + Ms Maria Iniguez De Heredia (UNESCO Phnom Penh)
	11:20- 11:50	Presentation of Demonstration Site: Davao (MFIT)	Dr. Anthony Sales (HELP Davao Network) + Ms. Ludivina M. Porticos (University of Immaculate Conception)
	11:50- 12:20	Presentation of Demonstration Site: Langkawi (MFIT)	Prof. Dato' Dr. Mazlin Mokhtar (LESTARI UKM) + Mr Ahmad Zaini bin Zaba'ai (LADA)
	12:20- 14:30	LUNCH & FRIDAY PRAYER	

SESSION V: Current environmental sustainability in ASEAN	14:30-14:40	Environmental Sustainability Programme in Cambodia, Case Study of the Tonle Sap Biosphere Reserve	Mr. Long Kheng (Ministry of Environment)
	14:40 - 14:50	Sustainability Science and Sustainable Development	Prof. Helmi (University of Andalas)
	14:50-15:00	Environmental Education and Awareness Activities on Environmental Protection, Biodiversity Conservation and Climate Change in Khammouan Province, Lao PDR	Ms. Chitthanom Ounsida (Ministry of Natural Resources and Environment)
	15:00-15:10	Model for Environmental Sustainability: A Case of Langkawi UNESCO Global Geopark	Prof. Emeritus Dato' Dr. Ibrahim Komoo (UKM/ Asia Pacific Geopark Networks)
	15:10-15:20	Initiative Activities for Environmental Sustainability Program	Ms. Khin Nu Nu Soe (Ministry of Natural Resources and Environmental Conservation)
	15:20-15:30	Implementation of Sustainable Development in Vietnam	Ms. Nguyen Thi Thu Phuong (Ministry of Natural Sources and Environment)
	15:30-15:45	TEA BREAK	
	SESSION VI: Environmental Sustainability Initiatives	15:45-15:55	Japanese Activities, Experiences (ODA, JICA and others) in Angkor Wat and Tonle Sap)
15:55-16:05		Remote Sensing for the Environment of Angkor World Heritage Site, Cambodia	Prof. Tianhua Hong, International Centre on Space Technologies for Natural and Cultural Heritage under the auspices of UNESCO
16:05-16:15		Environmental Sustainability Initiatives of ASEAN Centre for Biodiversity (ACB)	Atty. Genalyn Bagon-Soriano, ACB
16:15-16:25		Protecting Heritage Shophouses Through Sustainable Conservation Development	Mr. Muhammad Hijas Sahari, George Town World Heritage Incorporated

16:25-16:35	Environmental Sustainability Initiatives from Frangipani	Prof. (Adj.) Anthony Wong Kim Hooi, Frangipani Langkawi Resort & Spa
16:35-16:45	River of Life: Implementation of Interceptor	Ir. Anita Ainan, Humid Tropics Centre Kuala Lumpur
16:45-16:55	Water Resources Management Initiative	Mr Md Khairi Selamat, Department of Irrigation and Drainage
16:55-17:05	Environmental Sustainability Initiatives in Universiti Kebangsaan Malaysia	Dato' Shaharuddin Mohamad Ismail, LESTARI UKM
17:05-17:15	Sustainability Environmental Initiatives by Faculty of Science, University of Malaya, Malaysia	Ass. Prof. Normaniza Osman, UM
17:15-17:25	Green@Universiti Putra Malaysia: Living for the Present and Future	Dr. Zakiah Ponrahono, UPM
17:25-17:35	Environmental Sustainability Initiatives in Universiti Teknologi Malaysia	Dr. Irina Safitri Zen, UTM
17:35-17:45	Strengthening the Capacity of Flood-Affected Rural Communities in Padang Terap. State of Kedah, Malaysia	Ass. Prof. Norizan Md. Noor, USM
17:45-18:00	Discussion on Sustainability Conceptualization, Vision, and Future Direction	
18:00-18:15	Discussion on Sustainability Science Platform	UNESCO
18:15-18:30	Session Synthesis and Closing	UNESCO & UKM
18:30	END OF WORKSHOP	

Organising Committee

Advisors

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