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Sustainability Science in Action: Applying Sustainability Science through Demonstration Sites in Malaysia

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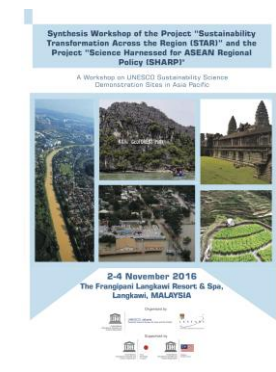
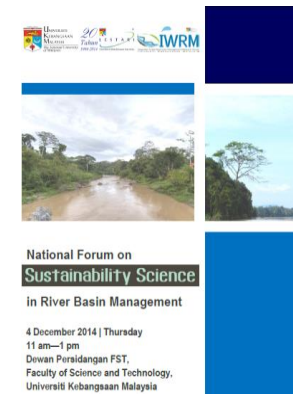
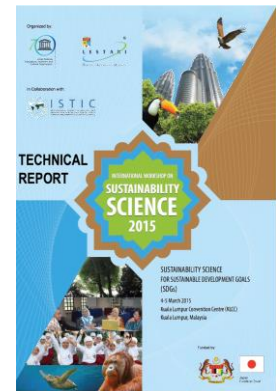
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Sustainability Science in Action: Applying Sustainability Science through Demonstration Sites in Malaysia

Sustainability Science needs to be implemented through a **unified integrated approach** between the **social and human sciences** and the **natural sciences** (LESTARI & UNESCO 2013).

Sustainability Science in Malaysia were demonstrated in:

- 1) International Workshops on Sustainability Science 2013 & 2015
- 2) National Forum on Sustainability Science in River Basin Management 2014
- 3) Sustainability Science Initiatives through Living Labs @UKM
- 4) Sustainability Science @Institute for Environment and Development (LESTARI), UKM
 - ✓ Research Centre for Sustainability Science and Governance (SGK)
 - ✓ Sustainability Science Postgraduate Course since 2011
- 5) Sustainability Science Demonstration Site/Pilot Projects
 - ✓ Sustainability Science Demonstration Site @Langat HELP River Basin
 - ✓ Sustainability Science Demonstration Site @Langkawi Geopark
- 6) Workshop on Sustainability Science Demonstration Site: Framework for Action 2015
- 7) Sustainability Science Demonstration Sites in Asia Pacific 2016



Sustainability Science Approach through Demonstration Site at Langkat River Basin & Langkawi Geoparks, Malaysia



Langkat River Basin, Malaysia



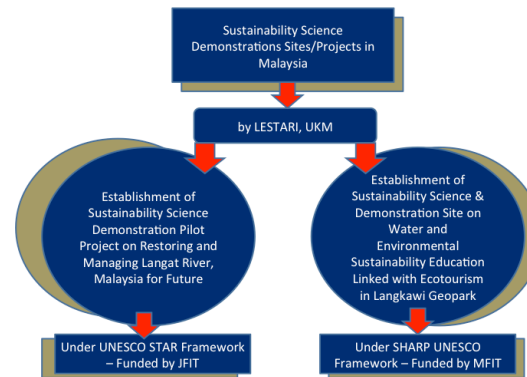
Langkawi Geopark, Malaysia

Key areas for Sustainability Science Demonstration

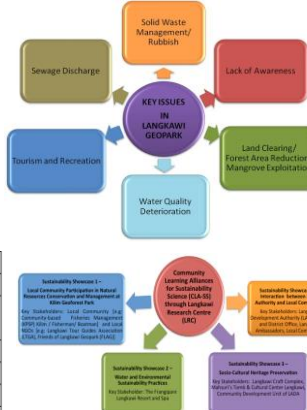
- Knowledge of the interrelations between urban conditions and the state of waters as well as instruments and techniques for their management

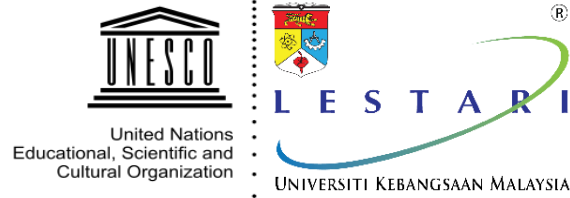
Key areas for Sustainability Science Demonstration

- Integrated water and environmental management balanced with socio-economic development and cultural heritage conservation.



WSI						
		Pressure	State	Response	Average	Score
Hydrology	Quantity	0.25	0.25	0.75	0.42	0.55
	Quality	1	0.5	0.5		0.67
Environment	EPI	0.75	0.75	0.75	1.0	1.0
Life	HDI	1	0.75	0.5	0.75	0.75
Policy	EDI	0.75	0.75	0.5	0.67	0.67
Result						0.74





THANK YOU

TERIMA KASIH

