



# Preliminary Report Summary, Conclusion and Recommendation




REGIONAL WORKSHOP ON  
CAPACITY FOR ACCELERATING SCIENCE AND TECHNOLOGY (FAST)  
TO FOSTER THE IMPLEMENTATION OF THE SUSTAINABLE DEVELOPMENT GOALS  
IN ASIA AND THE PACIFIC AND I ANCHORING OF ASIA PACIFIC – FAST  
TIMOR LESTE 2017



## Session 1: SETI and SDG

- 79 out of 169 targets of SDGs and 37 out of 232 indicators relate to SETI. This includes targets and indicators which are: 1). explicitly refer to SETI; 2). issues that are most often largely discussed in SETI terms; and 3). where SETI is only one of the many means for implementation.
- A strong SETI capacity will accelerate the achievement of SDG targets.
- SDGs should also be catalyst in building SETI capacity.
- Engagement and commitment of all stakeholders and the importance in having strong champions on SDG (ICT for Health in Timor Leste; Sustainability Science and Sustainability Development in Davao).
- Customize and localize actions and plans to match existing conditions and capacities



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## Session 2: National lessons learned, challenge and opportunities

- Common understanding among policy makers – SMART setting of prioritizing indicators and targets taking into account different challenges and national realities and capabilities and an agreement between stakeholders.
- Coordinated integration of SDGs into plans and programs at all level (National Provincial, and local) with strong ownership of those who actually implement the SDGs.
- Key factors: 1). International, national, public-private partnerships collaboration; 2). Data and monitoring and evaluation.
- Focus on SETI policy, capacity building and infrastructure to support achievement of SDG




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## Session 3: UNESCO Centres and Programmes.

- Asia Pacific Centre for Eco-hydrology – UNESCO Category II Centre focus on SDG-6, SDG-13, and SDG-15. SETI Capacity focus on: Watershed System, Peatland Hydrology System, Arid Zone System, Urban Hydrology System, and Small Islands Hydrology System
- International Knowledge Centre for Engineering Sciences and Technology – UNESCO Category II Centre focus on SDG-4, SDG-5, SDG-9, SDG-10, SDG-11 and SDG-17. SETY Capacity focus on: Disaster Risk Reduction Knowledge Service; Intelligent City Knowledge Service; Silk Road Sciences and Technology Knowledge Service; Engineering Education Knowledge Service
- Man and the Biosphere (MAB) programme linked to SDG-6, SDG-13, SDG 14, and SDG-15.




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## Session 3: UNESCO Centres and Programmes.

- International Hydrological Programme (IHP) linked strongly to SDG-6 and SDG-13 with SETI support through IHP-WINS (Water Information Network System, Climate change, and World Water Forums and Panels)
- Intergovernmental Oceanographic Commission (IOC) linked strongly to SDG-14 and SDG-11, with focus on healthy ocean and sustained ecosystem, early warning on tsunami and other ocean related hazards, ocean-based activities to increase resiliency to climate change, and enhancing knowledge on emerging ocean science issues.
- Disaster Risk Reduction (DRR) strongly linked to SDG-4, SDG-6, SDG-11, SDG 13, SDG-14 and SDG-15 focusing on Risk Assessment; Early Warning; Prevention-, Preparedness, and Risk Reduction, and Resilience and Sustainable Development.




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## Session 4 Discussion

- Group Timor-Leste
  - For FAST to achieve SDG, Timor-Leste will focus on two SDGs
  - SDG-6. Water Resource Management, Water security (quantity and quality), water vulnerability (wastewater and solid waste),
    - Support from IHP, APCE, MAB and other UNESCO Category centres
    - Need of Engineering Capacity: Quantity of Qualified Engineers, Standards – Accreditation – and Competence, Engineering Education Quality (Facility, infrastructure, and programme).
  - SDG-14. Baseline data and information on Ocean Resource, Ocean Resource management, Ocean Pollution, Ocean Observation and Monitoring, Coastal Planning
    - Support of IOC, IHP, MAB
    - Need of Ocean Studies and Programme in Universities to build human resource in Ocean Science.




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## Session 4 Discussion

- Group Asia Pacific
  - The challenges that we found in related to these goals:
  - SDG-5. Man domination society 2. Low Literacy 3. Women safety on job, schools and social levels 4. Limited women participation in various sectors. Women is playing a better role in the development.
  - SDG-6. Water security (quantity and quality), water vulnerability (wastewater and solid waste), non-existing water policy in many countries, using UNESCO water policy to be adopted by the states (IWRM), hydro-hazards, transboundary conflicts
  - SDG- 11. Sustainable infrastructure, Resilient to hazards, land scarcity, waste management (recycle), urban planning, land use management, regional guidelines on cities security.
  - SDG-13. Deforestation, sea level rise, industrial pollution to seas
  - SDG-14. Ocean pollution (IOC may help)
  - SDG-15. Deforestation, biodiversity conservation, ecosystem
  - SDG-17. Technology sharing, working as cluster countries (security, common economic policy) , ICT platform (information and knowledge sharing).

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## Session 4 Discussion

- Group Asia Pacific
  - Actions or strategies:
    - Profiling through regional level ICT platform encompassing all six goals
    - Identification of gaps (policy/ strategy related), issues and way forward in general and also towards the pilot country (looking in terms of the complete ecosystem)
    - Water security (phase wise, ICT based monitoring)
    - Regional hazard mapping (Hydro hazards and others)
    - Taking best practices in the region or elsewhere (Pura Model, Sato Yama Concept) to manage sustainable cities.

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All workshop presentations and workshop report will be available for download through The Malaysia – UNESCO Cooperation Program:

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