



Joint Research on Landslides

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NECTEC
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Why do we organize this workshop?

- What we have
 - Weather station, WSN, TanPibat
 - Data analysis, Data fusion
 - What we are looking for
 - Research partners
 - What we are going to do
 - Joint research projects
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The e-ASIA JRP

- <http://www.the-easia.org/jrp/>
- A minimum of 3 Members Organizations agree to launch a joint Call for proposals in a specific field(s).
- Fields of Cooperation
 - Disaster Risk Reduction and Management
- NSTDA is one of the funding agencies.
- NECTEC is going to propose 3 topics.
 - Multisensor Data fusion for Landslide Monitoring and Prediction Systems



Other channels

- ASEAN funding
- ...
- ...



Sub-Committee on Microelectronics and Information Technology

(SCMIT)

ASEAN Plan of Action on Science, Technology and Innovation 2016-2025 (APASTI)



4 APASTI Thrusts:

Thrust 1 : Strengthen strategic collaboration among academia, research institutions, networks of centres of excellence, and the private sector to create an effective ecosystem for capability development, technology transfer and commercialization;

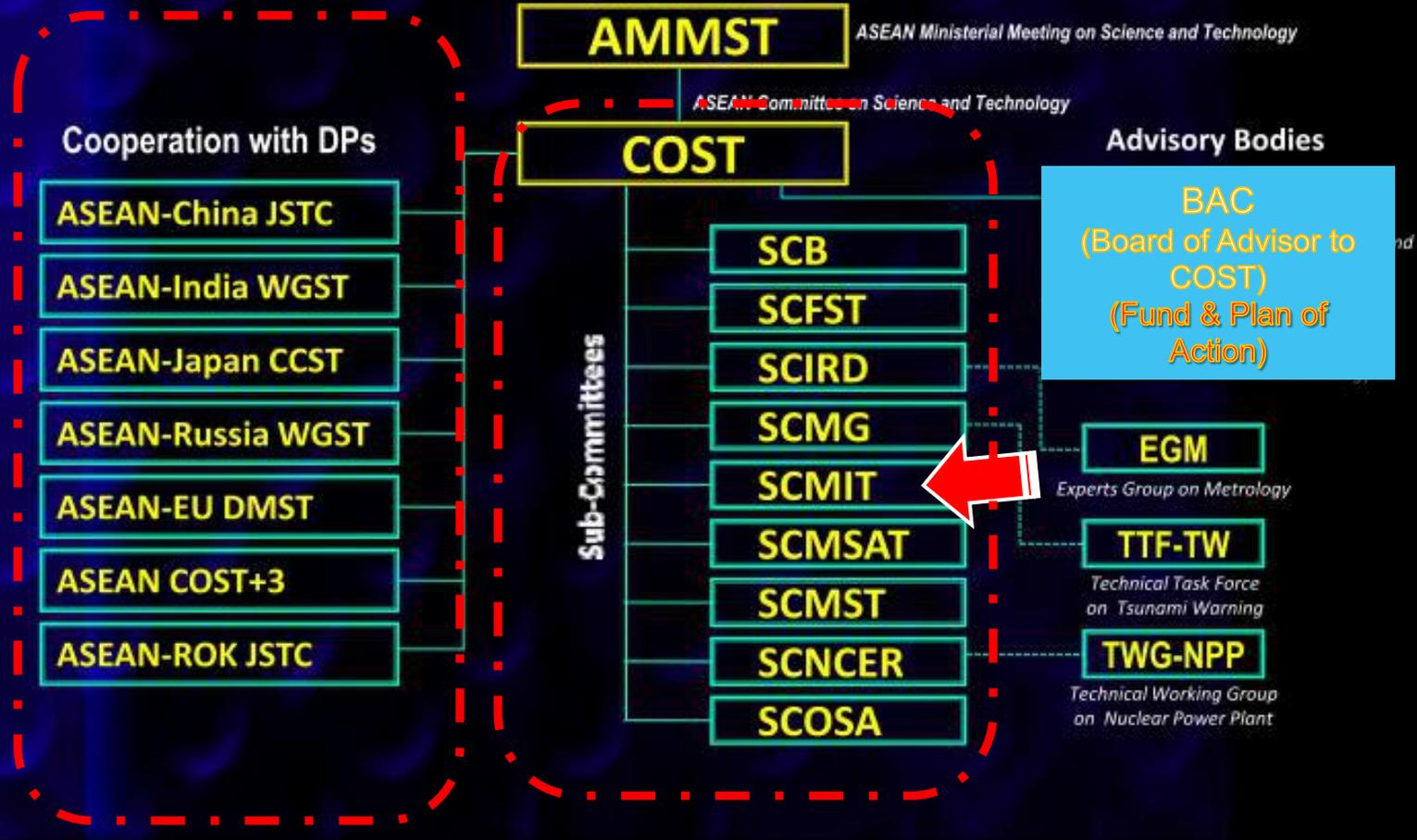
Trust 2: Enhance mobility of scientists and researchers, people-to-people connectivity and strengthen engagement of women and youth in STI;

Trust 3: Establish innovative system and smart partnership with dialogue and other partners to nurture STI enterprises to support MSMEs, nurture knowledge creation and STI applications to raise competitiveness; and

Trust 4: Raise public awareness and strengthen STI enculturation to enhance ASEAN science and technology cooperation.



Current Structure of ASEAN cooperation in S&T





SCMIT Focal Points

Country	Contact Organisation
BRUNEI DARUSSALAM	Institut Teknologi Brunei
CAMBODIA	Department of Industrial Techniques, Science and Technology Ministry of Industry and Handicraft (MIH)
INDONESIA	Research Centre for Informatics, Indonesian Institute of Sciences (LIPI)
LAO PDR	Department of Data and Information Technology Ministry of Science and Technology
MALAYSIA	Centre for Artificial Intelligence and Robotics (CAIRO) Universiti Teknologi Malaysia
MYANMAR	Universiti of Computer Studies, Yangon Ministry of Science and Technology
PHILIPPINES	Advanced Science and Technology Institute (ASTI-DOST)
SINGAPORE	Department of Electrical and Computer Engineering National University of Singapore
THAILAND	NECTEC
VIET NAM	Institute of Information Technology Vietnamese Academy of Science and Technology (VAST)

**Goal:**

The SCMIT seeks to develop and enhance the capabilities of ASEAN member countries microelectronics and ICT, and its related areas from down-stream to up-stream technologies. The sub-committee aims to undertake research, development, capacity building, and demonstration projects in microelectronics and ICT and related areas according to the strategic trusts.

Specific Objectives:

1. To undertake capacity-building for less developed AMS;
2. To promote and carry-out R&D technology transfer in microelectronics, ICT, and other related areas;
3. To foster and strengthen Intra-ASEAN activities in the priority areas;
4. To strengthen information network/database for exchange and dissemination within and outside ASEAN; and
5. To strengthen institutions and centres of excellence.



10 SCMIT Priority Areas for 2016-2025

1. Microelectronics
 2. Multimedia and Mobile Communication Applications
 3. Internet of Things
 4. Big Data Processing and Analytics
 5. Cyber Security
 6. Embedded Systems and Sensors
 7. Robotics and Automation
 8. **Open Source Systems**
 9. Cloud Computing
 10. Artificial Intelligence
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Priorities Area

2007-2011	2012-2015	2016-2025
1. Microelectronics and IC design	1. Microelectronics and IC Design	1. Big Data Analytics <i>A Multilingual Online and Mobile Dictionary for ASEAN Community Service Project (proposed by Thailand)</i>
2. Multimedia applications and e-learning	2. Multimedia applications	2. Internet of Things <i>2.1 ASEAN Network Platform for Internet of Things Project (proposed by Thailand)</i> <i>2.2 Training and Research Facility for IoT Additive Manufacturing and Drone Storage System Project (proposed by Malaysia)</i>
3. Embedded systems and robotics	3. E-learning	3. Sensor Networks <i>3.1 Integrated Green Energy Profiler (Hydrokinetic-Solar-Wind) Project (proposed by Malaysia)</i> <i>3.2 Disaster Warning System: Landslide Detection Project (proposed by Thailand)</i>
4. Open source systems	4. Embedded systems	
5. Image processing and vision systems	5. Robotics	
6. Security and surveillance systems	6. Open source systems	
	7. Image processing and vision systems	
	8. Security and surveillance systems	
	9. High-performance Computing (e.g. Cloud computing and grid technology)	



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A budget of **USD200,000** is allocated for each of the following five (5) categories for this Call for Proposal:

- Development of policies, guidelines, mechanisms and frameworks;
- Conduct of road-mapping and foresight studies;
- Development of machinery/services for data sharing and networking;
- Conduct of capacity building and/or sharing of experience; and
- Development of public awareness and STI enculturation plans and conduct of awareness/enculturation events.

Proposal which involves participation of all Member States, or does not involve all Member States, but is participated by a minimum of 3 Member States



Call for Proposal for ASEAN Science Technology and Innovation Fund (ASTIF)

Opening call: 25 May 2017

End of call: 31 July 2017

Reviewed by BAC: 1 August 2017 until 30 September 2017

Consideration of BAC recommendation by COST: 1 October 2017

Approval/rejection of proposals: at COST-73 (26 October – 3 November 2017 in Nay Pyi Taw, Myanmar. (may revised)