



“Regional Workshop on Low Carbon Technologies for MSMEs in the ASEAN”

**ASEAN Committee on Science, Technology and Innovation (COSTI)
Sub-Committee on Sustainable Energy Research (SCSER)**

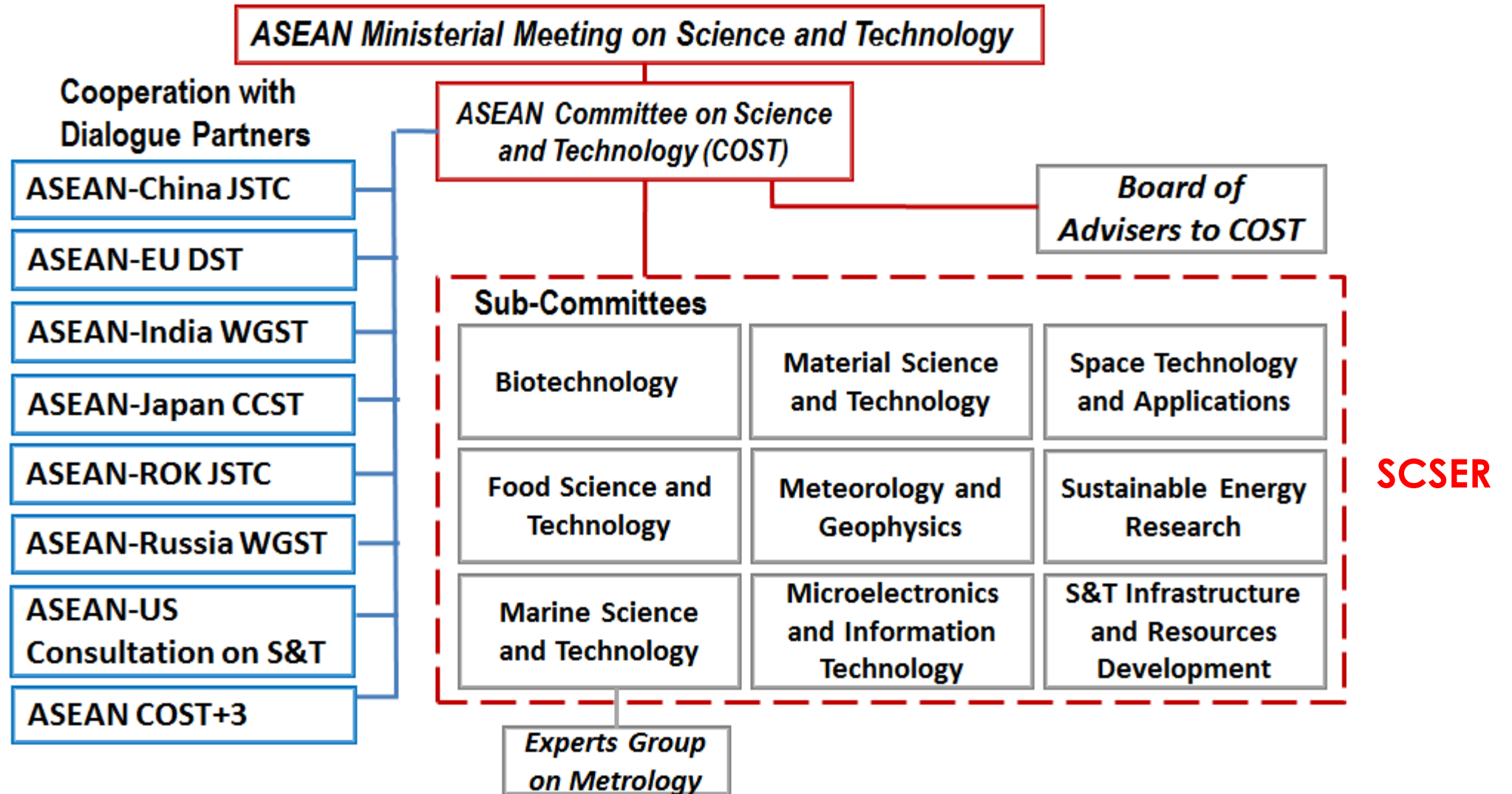
**18-19 September 2019
Philippines**



DEPARTMENT OF SCIENCE AND TECHNOLOGY
PHILIPPINE COUNCIL
FOR INDUSTRY, ENERGY,
AND EMERGING TECHNOLOGY
RESEARCH AND DEVELOPMENT
(DOST-PCIEERD)

INNOVATION COUNCIL
FOR INDUSTRY, ENERGY AND EMERGING TECHNOLOGIES (DOST-PCIEERD)

ASEAN S&T Cooperation Organizational Chart



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

Vision

A Science, Technology and Innovation-enabled ASEAN which is innovative, competitive, vibrant, sustainable and economically integrated.



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

Goals

1. ASEAN Science, Technology and Innovation (STI) addressing the Grand Challenges of the new millennium.
2. Economically integrated ASEAN involving active collaboration between the public & private sectors *especially SMEs* and enhanced mobility of talents.
3. Deep awareness of STI & the beneficial impacts of STI on the bottom of the pyramid.
4. An innovation-driven economy with a deep STI enculturation and a system of seeding and sustaining STI by leveraging ICT and the resources of our talented young, women and private sectors.
5. Active R&D collaboration, technology commercialisation and entrepreneurship and network of centres of excellence.
6. An enhanced STI management system in the new AEC so as to support ASEAN Innovation reaching global markets and that promotes innovation, integration and narrowing of development gaps across AMS.



APASTI Strategic Thrusts

1. Public-Private Collaboration

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 commercialisation.

2. Talent Mobility, People-to-People Connectivity, and Inclusiveness

Thrust 2:

Enhance mobility of scientists and researchers, people-to-people connectivity and strengthen engagement of women and youth in STI.

3. Enterprises Support

Thrust 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.

4. Public Awareness and STI Enculturation

Thrust 4:

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

APASTI [2016-2025 Implementation Plan](#) can be seen in the weblink



Sub-Committee on Sustainable Energy Research

Goals (2016-2025)

SCSER seeks to contribute in-developing and enhancing the science, technology and innovation (STI) capabilities of ASEAN Member States in accessing and utilizing sustainable and renewable energy resulting in reduce carbon emissions, increasing the share of renewable energy to 23% by 2025 and reducing energy intensity by 20% in 2020 based on 2005 level.



Sub-Committee on Sustainable Energy Research

Objectives (2016-2025)

1. To intensify joint R&D, technology demonstration/transfer and commercialisation with the relevant stakeholders in sustainable and renewable energy;
2. To enhance and sustain the accessibility and utilisation of sustainable and renewable energy in remote communities and **MSMEs**;
3. To strengthen Intra-ASEAN cooperation and to heighten Dialogue Partners engagements in enhancing the capacities of ASEAN Member States in sustainable and renewable energy research;
4. To strengthen information network/database for exchange and dissemination within and outside ASEAN; and
5. To strengthen institutions and centres of excellence.



APASTI SC SER Work Plan (2016-2025)

APASTI Thrust 3.

Action 3.1

Establish support mechanism such as mentorship and incentive program to support and nurture STI enterprises from start-up to the next competitive level of development

Action 3.2

Engage dialogue and other strategic partners in joint undertakings on appropriate and commercially viable STI initiatives

Thrust 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.

APASTI SCSER Work Plan (2016-2025)

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Expected Outputs	Specific Activities/Projects	Indicators
Support and incentive mechanisms on sustainable energy for MSMEs, start-up companies	Undertake needs assessment of MSMEs and other stakeholders in the area of sustainable energy	Needs assessment of MSMEs and other stakeholders implemented on time



APASTI SCSER Work Plan (2016-2025)

APASTI Thrust 3.

Action 3.2

Engage dialogue and other strategic partners in joint undertakings on appropriate and commercially viable STI initiatives

Thrust 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.

Expected Outputs	Specific Activities/Projects	Indicators
Sustainable energy technology adopted and commercialized	Identify technology needs for sustainable energy improvements in MSMEs	Technology needs of MSMEs for sustainable energy identified

Details of the APASTI SCSER Workplan is in a separate word file document

“Regional Workshop on Low Carbon Technologies for MSMEs in the ASEAN”

ASEAN Science, Technology & Innovation Fund (ASTIF)

Workshop Objectives

1. Identify best practices relating to promoting the voluntary adoption and diffusion of low carbon technologies and supporting their development and utilization through appropriate policies affecting ASEAN MSMEs.
2. Establish a voluntary data sharing platform of ASEAN MSMEs innovative best practices on low carbon technologies
3. Introduce the concept of carbon footprint labeling for MSMEs products



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ASEAN Science, Technology & Innovation Fund (ASTIF)

General Discussion - Workshop Summary

Best Practices

Financing Schemes

Innovative Technology MSME Applications

Policy Interventions

Technical Assistance

Capability & Capacity Development

Need Analysis



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“Regional Workshop on Low Carbon Technologies for MSMEs in the ASEAN”

ASEAN Science, Technology & Innovation Fund (ASTIF)

Round Table Discussion

Way Forward, Sustainability and Policy Recommendations

Best Practices Documentation and Dissemination

Regional Operational Platform



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Committee on Science, Technology and Innovation (COSTI)**

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NONILO A. PENA
SCSER Philippine Focal Person
DOST-PCIEERD



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