Overview of Asian Soil Partnership (ASP)

Pitayakon Limtong
National Focal Point, Thailand
Land Development Department, Bangkok, Thailand
Soil and Fertilizer Society of Thailand
The Global Soil Partnership was established in December 2012 as a mechanism to develop a strong interactive partnership and enhanced collaboration and synergy of efforts between all stakeholders. From land users through to policy makers,

One of the key objectives of the GSP is to improve the governance and promote sustainable management of soils.

The World Soil Day campaign aims to connect people with soils and raise awareness.
GSP body

Collaborate

Implement

Regional Members

Endorsed Plans of Action PA

Global Implementation Plans GIPs

Regional Implementation Plans RIPS

Awareness Raising PA2

Research PA3

Information and Data PA4

Soil Management PA1

GSP secretariat

Intergovernmental Technical Panel on Soils (ITPS)

Plenary Assembly
Regional Soil Partnerships
(8 regionals)
ASP member countries (24 countries)
Asian Soil Partnership

The key priorities of the ASP are to:

- facilitate interactive consultative processes (both within and across borders) involving a range of entities and stakeholders;
- interact with regional soil science societies and other mechanisms established under various conventions;
- discuss and provide guidance on regional goals and priorities as regards soils;
- catalyze cooperation within the region.
Asian Soil Partnership

Pillar 1: Promote sustainable management of soil resources for soil protection, conservation and sustainable productivity

Pillar 2: Encourage investment, technical cooperation, policy, education, awareness and extension in soil

Pillar 3: Promote targeted soil research and development focusing on identified gaps, priorities and synergies with related productive, environmental and social development actions

Pillar 4: Information and Data

Pillar 5: Harmonization of methods, measurements and indicator for the sustainable management and protection of soil resources
Asian Soil Partnership

Working groups

The pillar chairs elected are as follows:

Pillar 1: Dr. Fusuo Zhang (China)
Pillar 2: Dr. Munir Hussain Zia (Pakistan)
Pillar 3: Dr. Kazuyuki Yagi (Japan)
Pillar 4: Dr. Toshiaki Ohkura (Japan)
Pillar 5: Dr. Audhasit Wongmaneeroj (Thailand)
Interlink between the 5 pillars of action of the ASP

Pillar 1: Sustainable Soil Management

Pillar 2: Scientific & Technical cooperation
- Awareness raising
- Mobilize
- Policy
- Education
- Pose the attention
- Trigger
- Increase
- Mobilization of financial resource for promoting activities

Pillar 3: Research

Pillar 4: Soil & Information

Pillar 5: Harmonization

Overall achievement

Data / Information Communicated to the stakeholders
Pillar 1: Promote sustainable management of soil resources for soil protection, conservation and sustainable productivity:

Activities performed (December 2016–May 2018):

• Identification best management practices and dissemination of the practices through demonstration and learning centres.

• Development guidelines, maps, web services and mobile applications to provide knowledge of sustainable soil and land management.

• Establishment baseline data of soil and land degradation in sub-district level and monitoring of soil status in arable lands.

Recommended activities (2018-2019):

• Promotion of knowledge sharing of best practices at national and international levels.

• Development of baseline data including indicators for land degradation.
Soil Management
Pillar 2:
Encourage investment, technical cooperation, policy, education awareness and extension in soil:

Activities performed (December 2016 – May 2018):

• Raising awareness of soil functions and ecosystem services by regular meetings, campaigns, conferences, and media, etc.
• Advancement in explanation and policy supported on soil resources to fit the legal frameworks to strengthening soil governance.
• Strengthening of extension services to provide sustainable management knowledge.

Recommended activities (2018-2019):

• Establishment of Youth Volunteer Soil Doctor to motivate people to make commitment on land management.
• Development model of training in 4 levels for Volunteer Soil Doctor
Pillar 3:
Promote targeted soil research and development focusing on identified gaps, priorities, and synergies with related productive, environmental, social development actions:

Activities performed (December 2016–May 2018):
- Collaboration among organizations to assess the economic costs and benefit of implemented projects and develop database of soil resources.
- Organizing trainings, workshops and conferences to promote on soil research and development.

Recommended activities (2018-2019):
- Establishment of the Center of Excellence for Soil Research in Asia (CESRA)
- Assessment of the economic impacts of land degradation and costs of rehabilitation.
Pillar 4:
Enhance quantity/quality of soil data and information and integration with other disciplines:

Activities performed (December 2016–May 2018):

• Development of national soil information expert system, adding in collection, storage, manipulation and dissemination of soil information.

• Organizing trainings and workshops on Soil Organic Carbon and related topics to promote soil data sharing and management capacity.

• Contribution in soil survey to collaborate with Myanmar, Cambodia and Laos in producing soil maps through Ayeyawady-Chao Phraya-Mekong Economic Cooperation Strategy (ACMECS).

Recommended activities (2018-2019):

• Development of soil map in WRB system.

• Contribution of knowledge and support to facilitate alliances producing soil maps.
Pillar 5: Harmonization methods, measurement and indicators for sustainable management and protection of soil:

**Activities performed (December 2016–May 2018):**

- Dissemination of knowledge and expertise in soil resources information for land management to junior LDD staffs.
- Enhancement of administrative and technical capacity of laboratories following ISO 17025 (SEALNET).
- Organizing workshop of predictive mapping method for soil map production e.g. Organic Carbon.

**Recommended activities (2018-2019):**

- Development technology to monitor and assess soil nutrient and joint-project on laboratory standard.
- Push and enhancement Asian-China joint-project for harmonization the method to mitigate desertification.
1st South East Asia Laboratory Network (SEALNET) Workshop
Bogor, 20-25 November 2017

“Quality improvement in Asian soil laboratories: towards standardization and harmonization of soil analysis and their interpretation”
Rice Landscapes and Climate Change

Options for mitigation in rice-based agroecosystems and the scaling-up of climate-smart rice cultivation technologies in Asia
Outcomes of the GSP/ASP

Development of Global and National SOC maps, and other activities on C monitor, management and assessment.
Global Soil Organic Carbon Map, 2017
Soil Organic Carbon Map, Thailand, 2017
Outcomes of the GSP/ASP

Development of Voluntary Guideline of Sustainable Soil Management (VGSSM)

Establishment of the Center of Excellence for Soil Research in Asia (CESRA)

Collaboration of action and information exchange between key stakeholders in climate change mitigation and adaptation, and soil management.
Information on next steps in which national level participants can engage with the ASP

Everybody is welcome to become a member of the GSP and thereafter the ASP.

To register, send an email to the GSP Secretariat at gsp-secretariat@fao.org and copy to the ASP Secretariat.

All applications are legally reviewed, and the official approval of the GSP Secretariat, so that the ASP Secretariat before engaging with new national partners.
The Integrated Soil Research and Development Project in the ASP Framework

Pillar 1: Sustainable Soil Management

Pillar 2: Scientific & Technical cooperation
- Awareness raising
  - Mobilize
  - Trigger
  - Pose the attention
  - Policy
  - Increase
  - Education

Pillar 3: Research

Pillar 4: Soil & Information

Pillar 5: Harmonization

Mobilization of financial resource for promoting activities

Data / Information Communicated to the stakeholders

Overall achievement
Overview of Asian Soil Partnership (ASP)

Pitayakon Limtong
National Focal Point, Thailand
Land Development Department, Bangkok, Thailand
Soil and Fertilizer Society of Thailand