

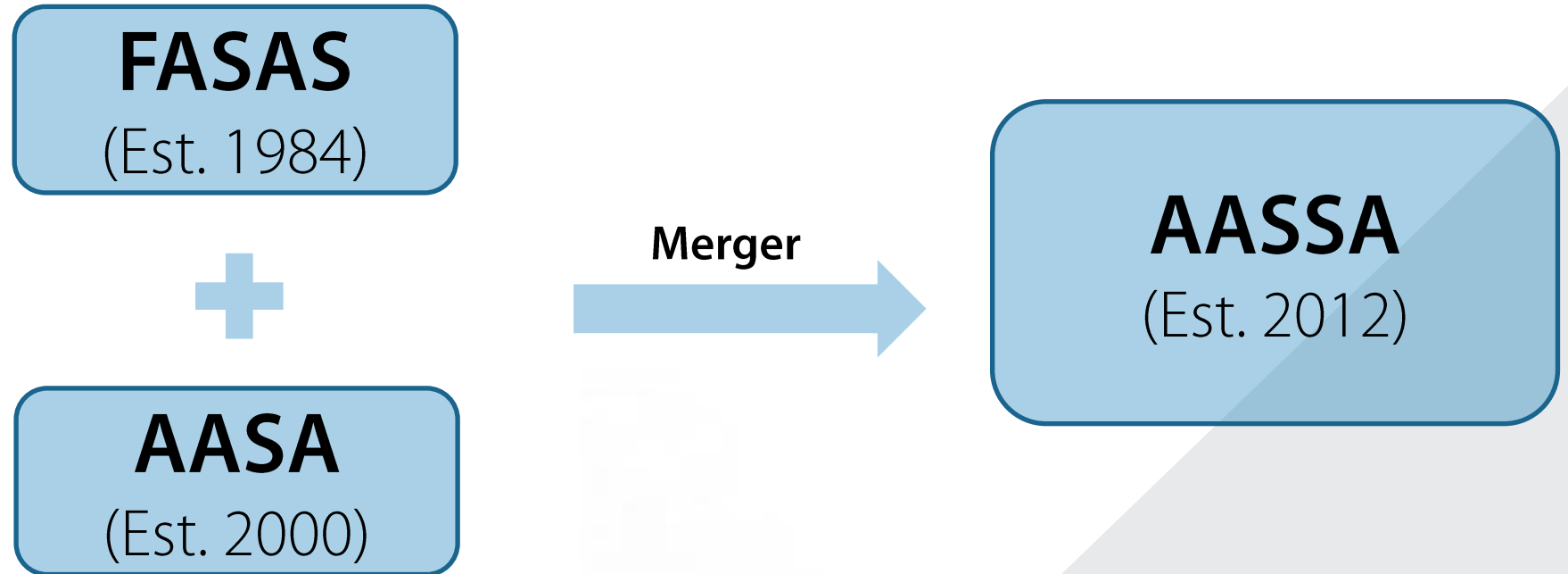
Role of AASSA in Shaping Science Policy

Prof. Yoo Hang KIM
President, AASSA

Presented at the G7 Science Conference
Hosted by Accademia Nazionale dei Lincei
May 3, 2017
Rome, Italy



I-1. History



**AASA and AASSA Secretariat : The Korean Academy of Science and Technology
(Since 2000)**

I. AASSA (Association of Academies and Societies of Sciences in Asia)

I-2. Membership



Member Academies

Afghanistan, Armenia, Australia, Azerbaijan, Bangladesh, China, Georgia, India, Indonesia, Iran, Israel, Japan, Kazakhstan, Korea, Kyrgyzstan, Malaysia, Mongolia, Nepal, New Zealand, Pakistan, Philippines, Russia, Singapore, Sri Lanka, Tajikistan, Thailand, Turkey, Uzbekistan, Vietnam

Associate Member

Jordan

Observer

ASEAN Academy of Engineering and Technology

34 Academies from 30 Countries

I-3. Major Focuses on

SDA

Sustainable Development in Asia

SEAP

Science Education in Asia
and the Pacific

WISE

Women in Science and
Engineering

SHARE

Science, Health, Agriculture, Risk
and Environment Communication

EASTI

Economic Advancement through
Science, Technology and Innovation

**Capacity Building of
Member Academies**



II. AASSA's Role in Shaping Policy

Mainly through Workshops or Symposia on SDG's

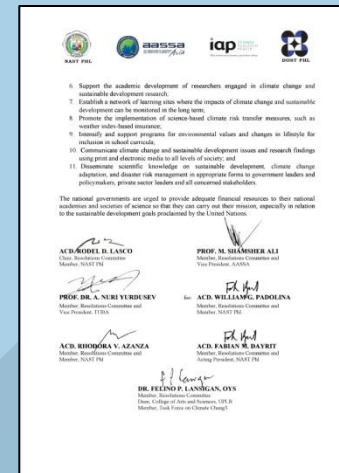
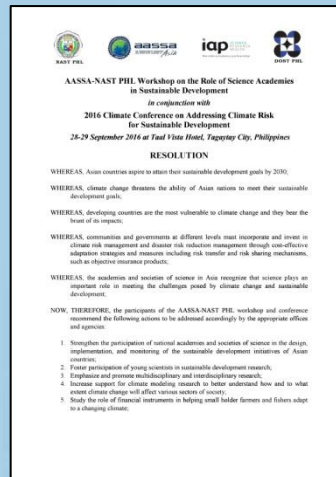
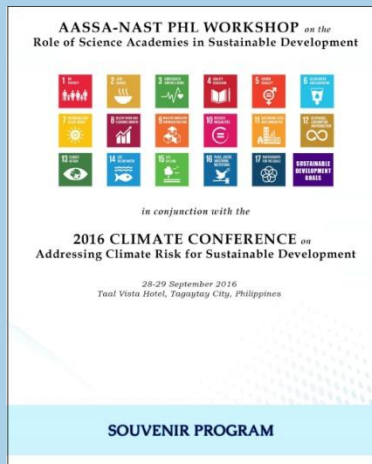
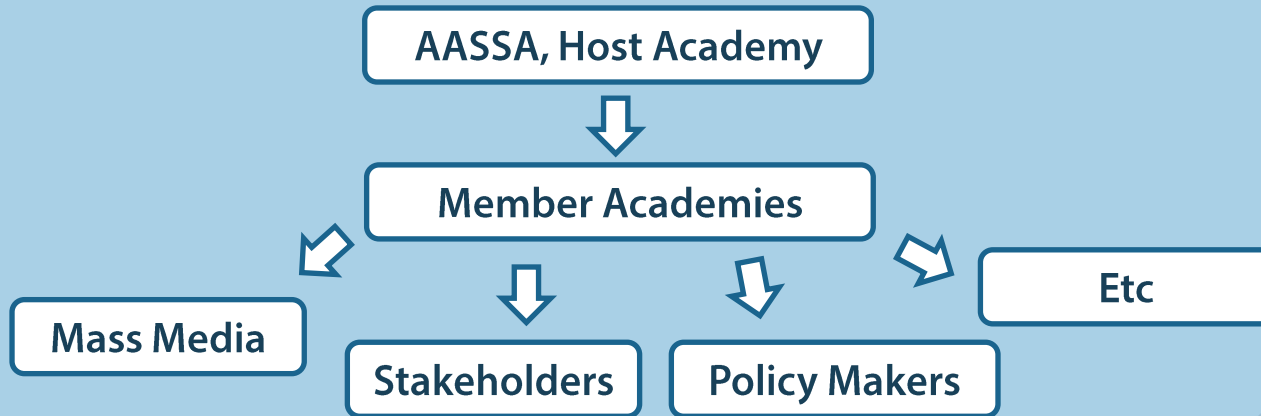
4 or 5 Workshops per year

Jointly Organized by AASSA and one or two Member Academy

20-30 Speakers per Workshops (about half from foreign countries)

II. AASSA's Role in Shaping Policy

Proceedings and Recommendations / Declarations



Proceeding & Resolution

- AASSA-NAST PHL Workshop (Sep., 2016)



**AASSA-NAST PHL Workshop on the Role of Science Academies
in Sustainable Development**

in conjunction with

**2016 Climate Conference on Addressing Climate Risk
for Sustainable Development**

28-29 September 2016 at Taal Vista Hotel, Tagaytay City, Philippines

RESOLUTION

WHEREAS, Asian countries aspire to attain their sustainable development goals by 2030;

WHEREAS, climate change threatens the ability of Asian nations to meet their sustainable development goals;

WHEREAS, developing countries are the most vulnerable to climate change and they bear the brunt of its impacts;

WHEREAS, communities and governments at different levels must incorporate and invest in climate risk management and disaster risk reduction management through cost-effective adaptation strategies and measures including risk transfer and risk sharing mechanisms, such as objective insurance products;

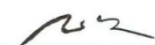
WHEREAS, the academies and societies of science in Asia recognize that science plays an important role in meeting the challenges posed by climate change and sustainable development;


NOW, THEREFORE, the participants of the AASSA-NAST PHL workshop and conference recommend the following actions to be addressed accordingly by the appropriate offices and agencies:

1. Strengthen the participation of national academies and societies of science in the design, implementation, and monitoring of the sustainable development initiatives of Asian countries;
2. Foster participation of young scientists in sustainable development research;
3. Emphasize and promote multidisciplinary and interdisciplinary research;
4. Increase support for climate modeling research to better understand how and to what extent climate change will affect various sectors of society;
5. Study the role of financial instruments in helping small holder farmers and fishers adapt to a changing climate;

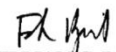
6. Support the academic development of researchers engaged in climate change and sustainable development research;
7. Establish a network of learning sites where the impacts of climate change and sustainable development can be monitored in the long term;
8. Promote the implementation of science-based climate risk transfer measures, such as weather index-based insurance;
9. Intensify and support programs for environmental values and changes in lifestyle for inclusion in school curricula;
10. Communicate climate change and sustainable development issues and research findings using print and electronic media to all levels of society; and
11. Disseminate scientific knowledge on sustainable development, climate change adaptation, and disaster risk management in appropriate forms to government leaders and policymakers, private sector leaders and all concerned stakeholders.

The national governments are urged to provide adequate financial resources to their national academies and societies of science so that they can carry out their mission, especially in relation to the sustainable development goals proclaimed by the United Nations.

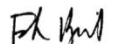

ACD. RODEL D. LASCO
Chair, Resolutions Committee
Member, NAST Phl



PROF. M. SHAMSHER ALI
Member, Resolutions Committee and
Vice President, AASSA


PROF. DR. A. NURI YURDUSEV
Member, Resolutions Committee and
Vice President, TUBA


for: **ACD. WILLIAM G. PADOLINA**
Member, Resolutions Committee and
Member, NAST Phl


ACD. RHODORA V. AZANZA
Member, Resolutions Committee and
Member, NAST Phl


ACD. FABIAN M. DAYRIT
Member, Resolutions Committee and
Acting President, NAST Phl


DR. FELINO P. LANSIGAN, OYS
Member, Resolutions Committee
Dean, College of Arts and Sciences, UPLB
Member, Task Force on Climate Chang³

III. In Organizing Workshops to have maximum impact to Policy Makers

Concurrent Workshop with Major National or International Scientific Events

Co-hosting with Government Agencies and/or other Stakeholder Organizations

Encouraging Participation of Policy Makers as Speakers

Inviting High-Level Policy Makers to the Closing Session to receive the Recommendation and to participate in the Q&A Session

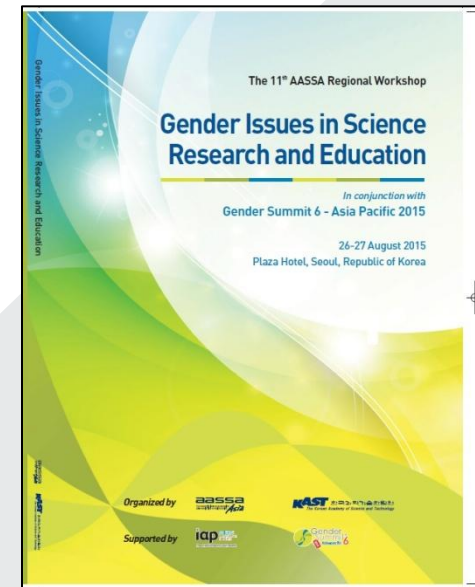
Arranging Interviews with Mass Media to reach the General Public

III-1. Concurrent Workshops with Major National or International Scientific Events

AASSA Regional Workshop (26-28 Aug., 2015; Seoul, Korea; KAST)

“Gender Issue in Science Research and Education”

in conjunction with “Gender Summit 6 – Asia Pacific 2015”



III-1. Concurrent Workshops with Major National or International Scientific Events

AASSA International Symposium (19-21 Oct., 2015; Daejeon, Korea; KAST)

“Global Health Issue in Asia”

in conjunction with “World Science and Technology Forum”

(Participants: 69 S&T Ministers from OECD, ASEAN Countries, etc)



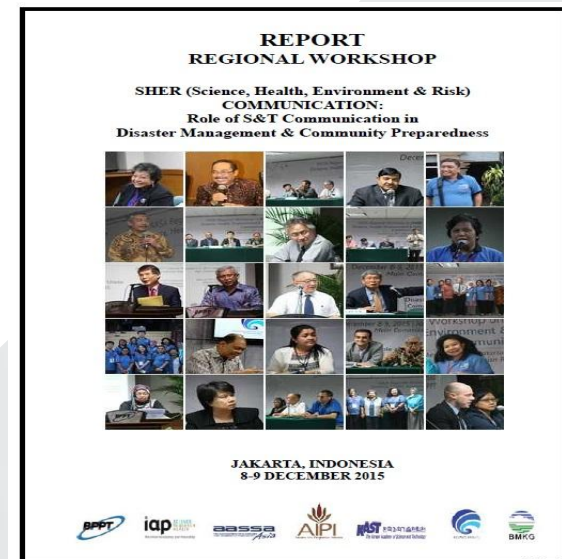
III-2. Co-hosting with Government Agencies and/or other Stakeholder Organizations

AASSA Regional Workshop (8-9 Dec., 2015; Jakarta, Indonesia)

“Role of S&T Communication in Disaster Management & Community Preparedness”

Jointly Organized by

- Agency from Assessment and Application of Technology (BPPT)
- Agency of Meteorology, Climatology and Geophysics (BMKG)
- Directorate General for Public Information & Communication, Ministry of Information & Communication



III-2. Co-hosting with Government Agencies and/or other Stakeholder Organizations

AASSA Regional Workshop (12-13 Feb., 2014; Phnom Penh, Cambodia)

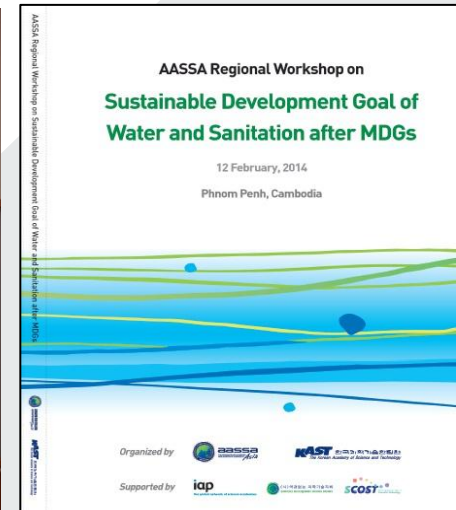
“Sustainable Development Goal of Water and Sanitation after MDGs”

Jointly Organized by

- Innovative Water Center (Cambodia)

Supported by

- Scientists and Engineers without Borders



III-3. Policymakers' Participation as Speakers

AASSA Regional Workshop (19-21 Jan., 2016; Islamabad, Pakistan) "Challenges in Water Security to Meet the Growing Food Requirement"



Engr. Baligh Ur Rehman,
Minister, State for Federal Education
and Professional Training,
Government of Pakistan

And also with
Dr. Mohammad Faisal,
Director General (South Asia & SAARC),
Ministry of Foreign Affairs



III-3. Policymakers' Participation as Speakers

AASSA Regional Workshop (7-8 Sep., 2016; Ulaanbaatar, Mongolia)

“The Role of Sciences in the Green Development”

- **Dr. Uranchimeg. TS., Chairwoman**, Division of Clean Technology, Investment and Production of Environment and Tourism
- **Prof. Davaasuren. Ch., Former Director**, UN Statistical Institute for Asia and Pacific (UNSIAP)



III-4. Inviting High Level Policymakers in Q&A Session

AASSA Regional Workshop (28-31 Mar., 2016; Kathmandu, Nepal)

“Economic Prosperity through Research and Development in National Products”

- **Mr. Shiva Lal Thapa, Minister** of Science and Technology

AASSA Regional Workshop (28-29 Sep., 2016; Tagaytay, Philippines)

“Role of Science Academies in Sustainable Development”

- **Secretary Fortunato T. de La Pena**, Development of Science and Technology

- **Commissioner Emmanuel M. de Guzman**, Climate Change Commission



III-4. Inviting High Level Policymakers in Q&A Session

AASSA Regional Workshop (20-23 Oct., 2016; Ankara, Turkey)

“Refugees and Migrants : A Global Problem on an Asset”

- Discussion between **Prof. Dr. Davut Kavranoğlu, the Chief Scientific Adviser to the President of Turkey** and the KAST delegation on Korea’s Economic Development and its implications to Turkey



- As a result,

- The 1st KAST-TUBA Bilateral Symposium on Scientific Collaboration between Korea and Turkey (19 Apr., 2017; Seoul, Korea)
- The 2nd TUBA-KAST Bilateral Symposium (Sep, 2017; Istanbul, Turkey)

III-5. AASSA Workshops for Capacity Building of Weak Academies

- **Roadmap of Transition Strategies to Green Economy**

- 15-16 Mar., 2012, **Tajikistan**

- **Women in Science and Engineering**

- 2-5 May., 2012, **Azerbaijan**

- **Sustainable Development Goal of Water and Sanitation after MDGs**

- 12-13 Feb., 2014, **Cambodia**

- **Sustainable Management of Water Resources and Conservation of Mountain Lake Ecosystems of Asian Countries**

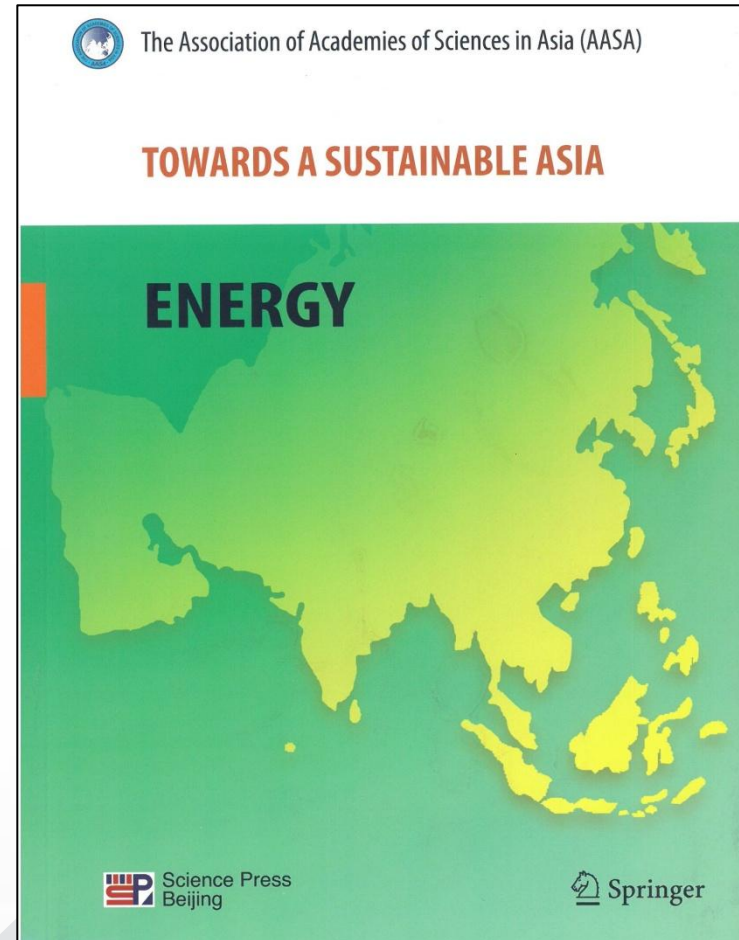
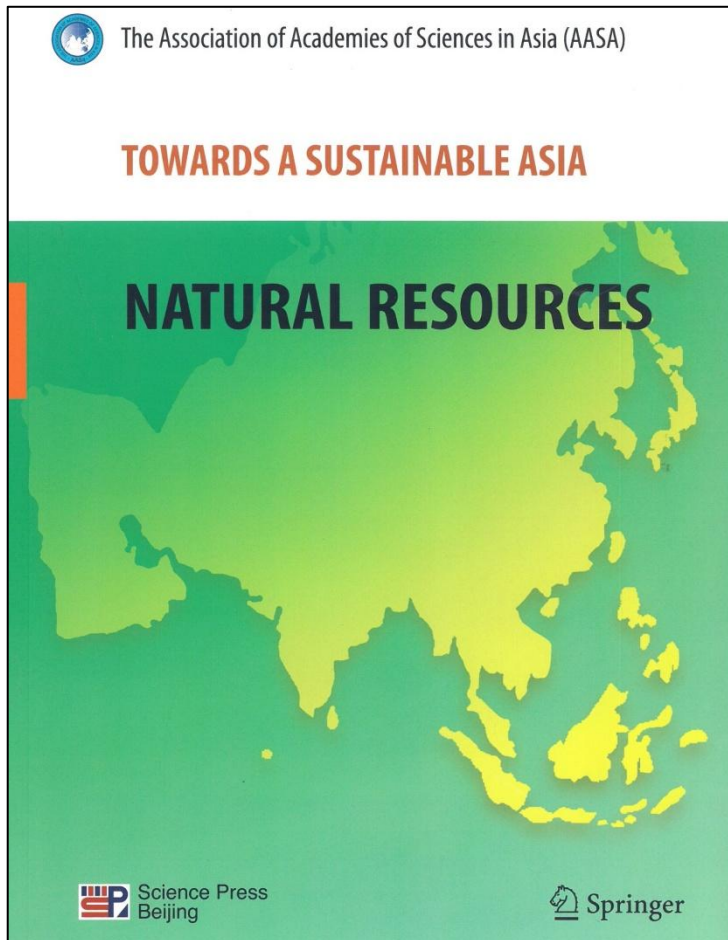
- 26-28 Jun., 2014, **Armenia**

- **Strategies for Building a Link between Earthquake Science and Policies to inform State Structures and Public to reduce the Risks and Consequences of Earthquakes**

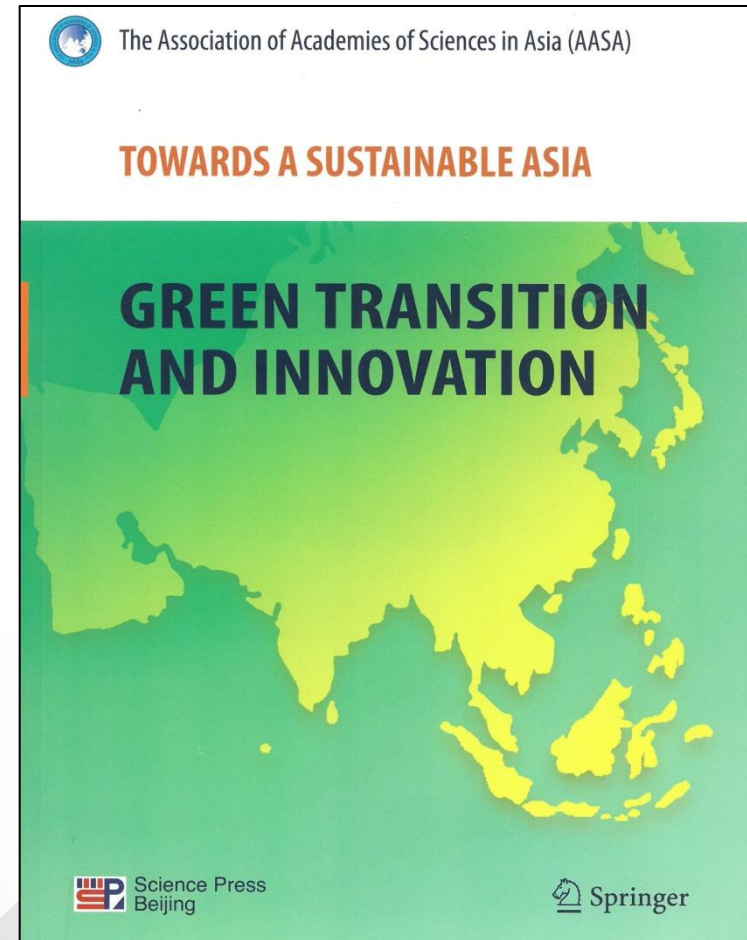
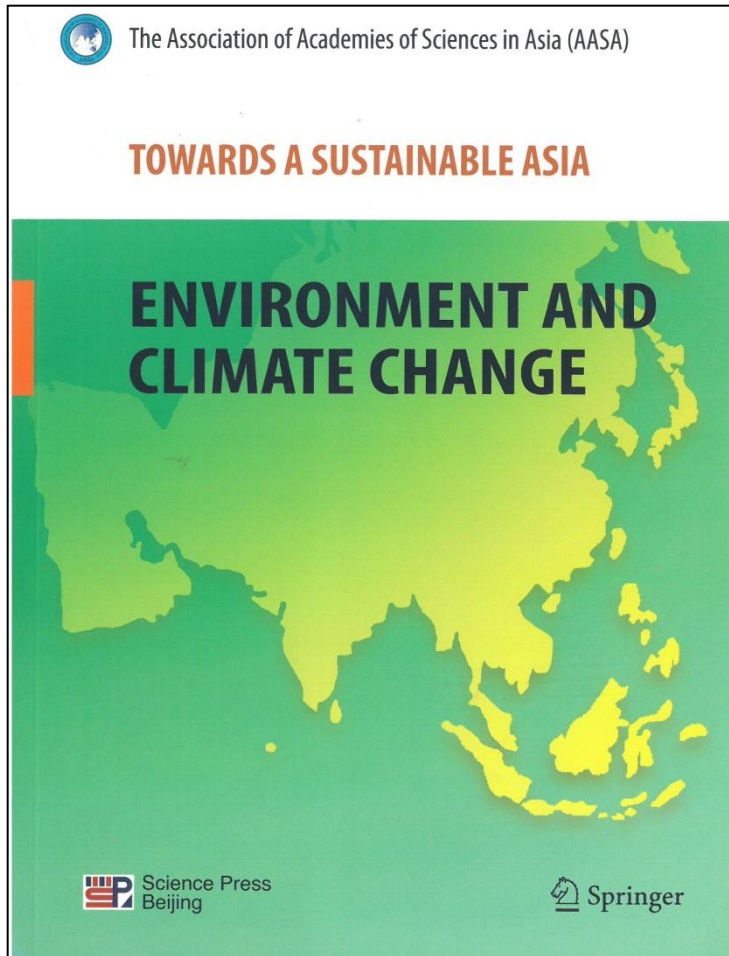
- 10-13 Oct., 2017, **Kyrgyzstan**



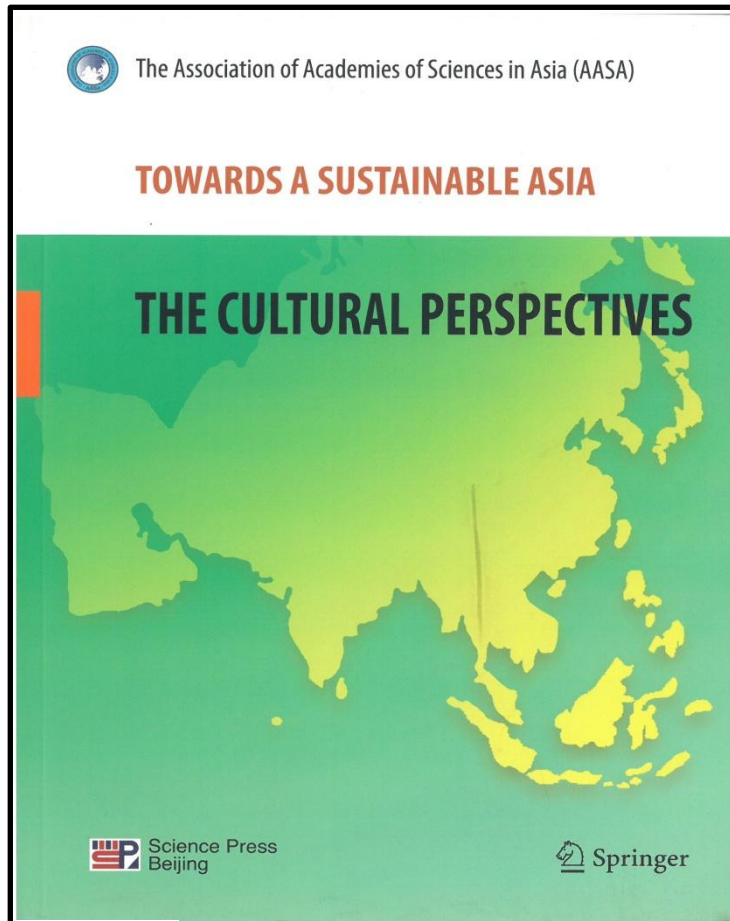
Towards a Sustainable Asia (2010)



Towards a Sustainable Asia (2010)

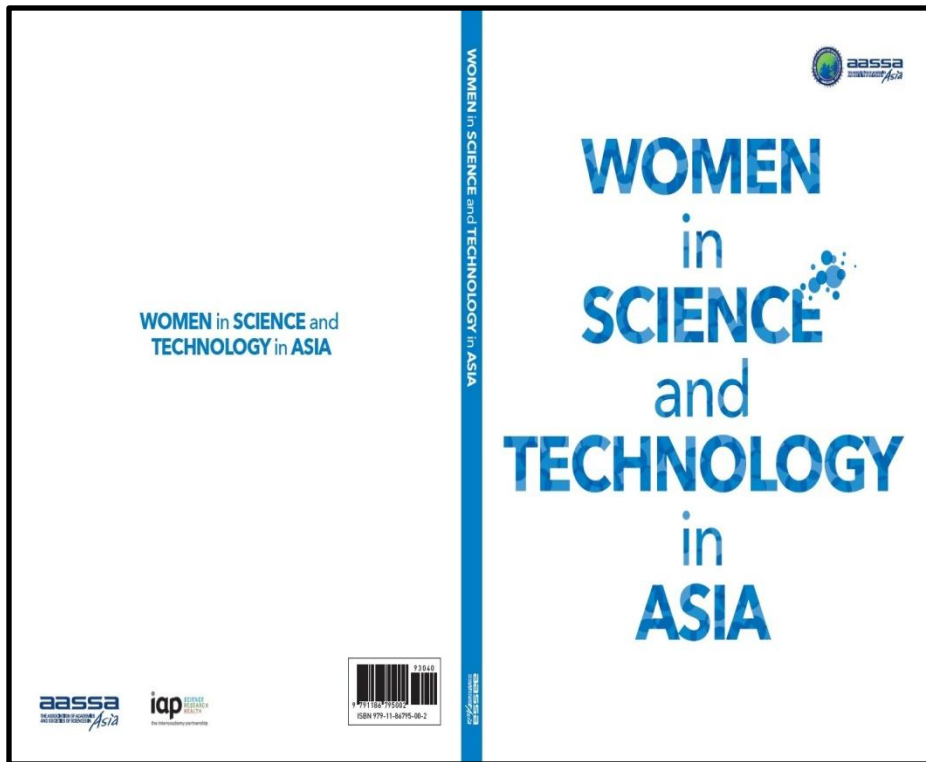


Towards a Sustainable Asia (2010)



IV. Publications

Women in Science and Engineering (2015)



In Preparation on

- Water
- Science Communication
- ETC

V. Challenges

Close Cooperation with Regional Offices of International Science and Technology Organizations

Developing Joint Programs with Regional Development Organizations

Helping Weak Member Academies to gain More Stature in their own countries

Increasing Membership by inviting Non-member National Academies

THANK YOU

KAST 한국과학기술한림원
The Korean Academy of Science and Technology



aassa
THE ASSOCIATION OF ACADEMIES
AND SOCIETIES OF SCIENCES IN
Asia

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RESEARCH
HEALTH
the interacademy partnership