"AASSA-NAST PHL Workshop", Taal Vista Hotel, Tagaytay City, Philippines; 28-29 September, 2016

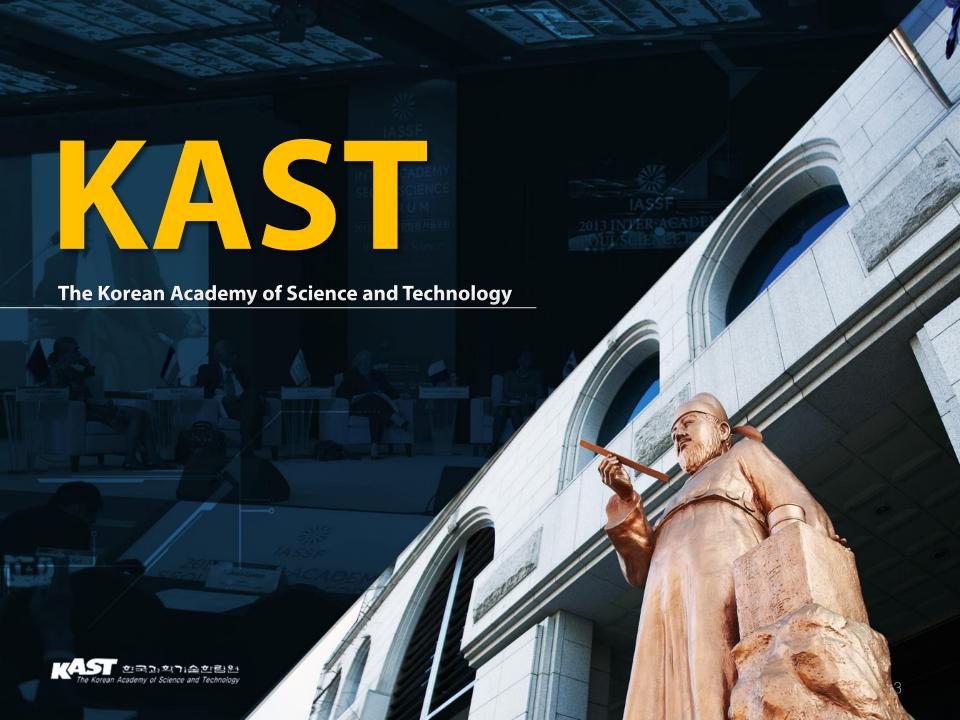
# The Role of KAST for Sustainable Development



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## **CONTENTS**

- 1. Introduction to the Korean Academy of Science and Technology (KAST)
  - Historical Highlight
  - Major Characteristics
  - Membership
  - Major Activities
  - Publications
- 2. The Role of KAST for SD
  - Think Tank
  - Educational Institution
  - Assembly of Scholars and Experts
  - International Network



## President's Inaugural Message

"We have to be Proactive and Share the Vision that will bring the Best of Science to Government and the Public"

**Dr. Myung-Chul Lee** KAST President





## Historical Highlight

1994

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1994	2000	2005	2011	
1999	2004	2010	2016	

Feb 4, 1994 Korean Academy of Science and Technology Establishment Committee initiated May 13, 1994 The 1st meeting of the Establishment Committee held Jul 28, 1994 Charter members meeting held Nov 9, 1994 Founding members selected by the Review Committee Nov 22, 1994 Inaugural General Assembly held Dr. Wan Kyoo Choelected as the founding President Mar 27, 1998 Dr. Mu Shik

Jhon elected as the 2nd

President at General Assembly

Sep 22, 2000 Inaugural meeting for the Association of Academies of Sciences in Asia (AASA) held The office of AASA secretariat opened at KAST Mar 1, 2001 Dr. In Kyu Han took office as the 3rd President Jul 16, 2001 Legal status of KAST specified in the "Basic Law of Science and Technology" Sep 3, 2003 New KAST building dedicated Oct 29, 2003 International Symposium held to commemorate the completion of the new KAST building Mar 1, 2004 Dr. KunMo Chung took office as the 4th President Apr 30, 2004 KAST Lounge opened Nov 19, 2004 The 10th anniversary international symposium held

Mar 31, 2005 KAST promoted to a statutory organization by a revision to the Basic Science Research Promotion Law (Presidential Decree No. 7424)
Mar 1, 2007 Dr. Hyun-Ku Rhee took office as the 5th President
Feb 29, 2008 Legal status of KAST specified in the organization of the Ministry of Education, Science and Technology
Mar 1, 2010 Dr. Kil Saeng Chung took office as the 6th President
Oct 18, 2010 The 10th anniversary of AASA celebrated
Nov 24, 2010 National Assembly-KAST Society for Science,
Technology and Innovation initiated

Oct 18, 2012 AASSA secretariat opened at KAST following the merge of AASA and FASAS Nov 1, 2012 The 1st Inter-Academy Seoul Science Forum held Mar 1, 2013 Dr. Sung Hyun Park took office as the 7th President Oct 11, 2013 'Campaign for Supporting KAST Vision 2020' initiated Nov 12, 2014 The 20th anniversary celebrated and '20 Years of KAST History' published Mar 1, 2016 Dr. Myung-Chul Lee took office as the 8th President



## **Major Characteristics**



KAST is the institution with the most distinguished scientists in Korea

KAST is a nongovernmental academic institution dedicated to research, evaluation and consultation for national science and technology policies





respected

# **Vision and Strategy**



To promote science and technology by consolidating a creative national foundation

Core Values

Quality Science and Technology

International Leadership

cience and Technology with The people

Vision

**A Dynamic Academy** 

Strategy

To develop a creative environment

To establish international leadership

To promote a peoplefriendly science culture

## Membership

KAST's members are categorized into Fellow, Fellow Emeritus, Foreign Member, Associate Member, Honorary Member, and Patron Member. The number of Fellows is limited to 500.

#### Membership Statistics (as of October 31, 2016)

#### **Fellows**

Policy Research	Natural Sciences	Engineering	Agricultural & Fishery Sciences	Medical Sciences	Total
19	149	149	73	98	488

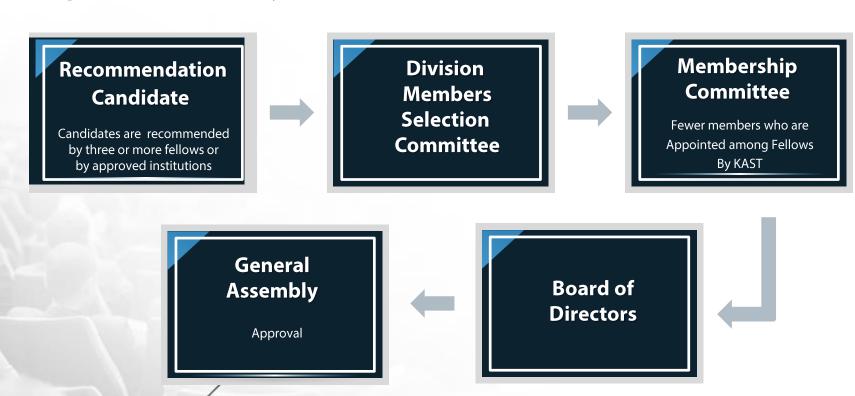
#### **Others**

Fellow	Foreign	Associate	Honorary &	Total
Emeritus	Member	Member	Patron Member	
388	73 (36 Nobel Laureates)	64	8	533

## Membership

#### **Members Selection Procedure**

The KAST applies a rigorous screening system to select distinguished scholars whose academic excellence is recognized internationally.



## **Science & Technology Policy Studies and Consultation**



**KAST Roundtable Discussions** 

**Policy Study Projects** 

Voice of the KAST

**Publications and Public Relations** 

KAST presents long-term visions in the field of science and technology through its independent consultation and recommendation on pan-governmental policies.

# Supporting Outstanding Young Scientists (Mentor Program)



**KAST Distinguished Lecture Series** 

(Meeting with Distinguished Scholars of KAST)





Mentor Program for Outstanding Students



Nobel Science Essay
Contest

KAST nurtures future talents in all the fields of science by offering a variety of programs such as in-depth lectures, interdisciplinary symposia, and one to one mentorship with KAST members.

#### **International Cooperation**



## **International Cooperation**







**International Symposia** 



**AASSA Secretariat** 

KAST maintains a long-term friendship with science academies overseas and builds a global network so that it can play a central role in non-governmental diplomacy in science and technology.

The Academy contributes to the improvement of the national status in science and technology through a variety of programs such as international symposia, international joint research, scholastic exchange program, and information exchange.

KAST hosts the secretariat of the Association of Academies and Societies of Sciences in Asia (AASSA), offering to achieve a society in Asia and Australasia in which science and technology play a major role in the development of the region.

#### **Hall of Fame**





Place of Induction Gwa-cheon National Science Museum

The Korea Science and Technology Hall of Fame was initiated to commemorate and preserve the achievements of scientists and engineers selected for their outstanding contributions to the development of the country and the welfare of the people.

#### **Awards**



- KAST Science and Technology Award
- Young Scientist Awards
- Deokmyeong-KAST Engineering
  Award
  - **FILA Basic Science Award**
- Daesang-KAST Food Science Award
- Cargill-KAST Life Science Award
- KAST-Hwandang Award for Medical and Phamaceutical Sciences

The Academy administers various award programs to recognize and encourage scientists and engineers who have made **outstanding achievements in scientific research and development** and **great contributions to the national development in science and technology.** 

## **Publications**







Policy Study Reports

Proceedings of KAST

Roundtable Discussions





Parasites in Human Body:

적인가 친구인가

Healthcare Using Marine Enemy or Ally, Jong-Yil Chai Bio-resources, Se-Kwon Kim

한림원소식





Medical Terminology in Daily Life,

Brochure (Korean and English)

Newsletter (Korean and English)

2015 Annual Report

#### KAST releases the following publications

**Policy Study Reports Proceedings of KAST Roundtable Discussions** Voice of the KAST **Proceedings of KAST Symposiums Proceedings of KAST International Symposiums Proceedings of KAST Distinguished Lecture Series Annual Report (Korean and English) Newsletter (Korean and English)** 

#### The Science and Technology Series by Distinguished Scholars

- Vol.1: The Brain in Love, Chan-Woong Park
- Vol.2: A Journey with Nobel Laureates around the Earth, Kyung-Ryul Kim
- Vol.3: Celebrated Paintings Created by Diseases, Gook Jin Moon
- Vol.4: A to Z about Cell Culture, Seung U. Kim
- Vol.5: Undiscovered Secrets of Double Helical Structure, Byung-Dong Kim
- Vol.6: Food Safety, Su-Rae Lee (deceased)
- Vol.7: The Earth: a Living Planet, Hi-Soo Moon
- Vol.8: Dynamic Universe, Il-Tong Cheon
- Vol.9: Footsteps of Science and Technology, Joon Woo Park
- Vol.10: Search of the Sea as Guided by Chemistry, K.R. Kim
- Vol.11: Understanding of Brain to Understand My Mind, Chan-Woong Park
- Vol.12: Chemistry and Polymer in Daily Life, Jin Chul Jung
- Vol.13: Charms of Statistics, Sung Hyun Park
- Vol.14: Gyeongrak, the Philosophy of Flow, Hye-Jung Lee and Chang-Shik In
- Vol.15: The Age of Centenarians, Seung U. Kim
- Vol.16: Happy Food Culture of Korea, Hong-Sik Cheigh
- Vol.17: Toward a Compassionate Society: Science & Technology, Doe Sun Na etc.
- Vol.18: Exploration of the Mars and its Living Organisms, Young Key Minn
- Vol.19: Artificial Organs Giving a New Life, Young Ha Kim
- Vol.20: The Truth of Entropy, Kang Rae Cho
- Vol.21: Parasites in Human Body: Enemy or Ally, Jong-Yil Chai
- Vol.22: Healthcare Using Marine Bio-resources, Se-Kwon Kim
- Vol.23: Medical Terminology in Daily Life, Kyung Hwan Kim

## **Sustainable Development Goals -1**

- Goal 1. End **poverty** in all its forms everywhere.
- Goal 2. End hunger, achieve food security and improved nutrition and promote sustainable agriculture.
- Goal 3. Ensure **healthy lives** and promote **wellbeing** for all at all ages.
- Goal 4. Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all.
- Goal 5. Achieve gender equality and empower all women and girls.
- Goal 6. Ensure availability and sustainable management of water and sanitation for all.
- Goal 7. Ensure access to affordable, reliable, sustainable and modern **energy for all**.
- Goal 8. Promote sustained, inclusive and sustainable **economic growth**, full and productive **employment** and **decent** work for all.
- Goal 9. Build **resilient infrastructure**, promote inclusive and sustainable industrialization and foster innovation.
- Goal 10. Reduce inequality within and among countries.

# Sustainable Development Goals -2

- Goal 11. Make cities and human settlements inclusive, safe, resilient and sustainable.
- Goal 12. Ensure sustainable consumption and production patterns.
- Goal 13. Take urgent action to combat climate change and its impacts\*.
- Goal 14. Conserve and sustainably use the oceans, seas and marine resources for sustainable development.
- Goal 15. Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss.
- Goal 16. Promote **peaceful and inclusive societies** for sustainable development, provide **access to justice** for all and build effective, accountable and inclusive institutions at all levels.
- Goal 17. Strengthen the means of implementation and revitalize the Global Partnership for Sustainable Development.
- \* Acknowledging that the United Nations Framework Convention on Climate Change is the primary international, intergovernmental forum for negotiating the global response to climate change.

## **CONTENTS**

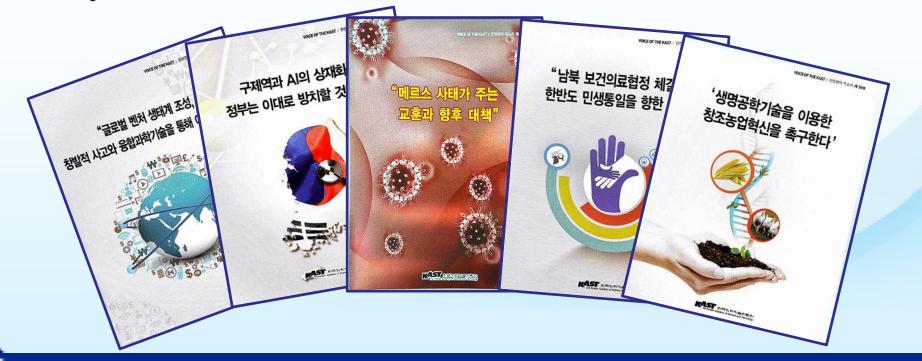
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# **Think Tank**

#### 1. Roundtable Discussions and Workshops

- Roundtable Discussions : more than 100 times since 1996
- Issuance of the "VOICE of the KAST": Series No. 1 ~ No. 61
- Recommendations and Suggestions for the Government S&T Policies, and their Implementation and Evaluation.

- Topics include most of the SDGs of UN.



# **Think Tank**

- 2. AASSA Regional Workshop in Seoul 26 August 2015
  - Theme : Gender Issue on Science Research and Education
  - Issuance of the "Voice of the KAST": It is urgent to build up a **creative research environment through the Gender Innovation**.
  - Publication of Report "Women in Sci. and Tech. in Asia"
  - Recommendations to the Educators, Policymakers, Employers and Academies and Academic Societies





## Conclusions

- Gender disparity in S&T is severe throughout Asian countries.
- The disparities lie at every career level in S&T: education, employment, promotion, and appointing for leadership positions.
- Women's empowerment is crucial for economic development of the countries.
- To achieve gender parity, continued efforts by the educators, employers, policy makers, and the academic societies are necessary.
- AASSA should take a lead in pursuing these actions domestically and internationally.

## Recommendations (I)

#### **Educators:**

- Provide equal opportunities in science education for girls and boys and encourage girls in S&T education beginning at the grade school level.
- Prevent gender bias by educating parents and teachers about gender stereotypes.
- Encourage girls to study science and to pursue careers in science.
- Adopt female friendly teaching methods for teaching grade school students.
- Encourage women to pursue graduate studies, especially to the PhD degree.

#### **Policy makers:**

- Create legislation to foster and support women in science and engineering.
- Establish family friendly policies for women in the workplace.
- Establish policies and procedures for ensuring equality in hiring & promotion.
- Create measures to increase the percentage of women in research and academic positions, and the number of women in leadership positions in S&T.
- Evaluate government programs in science and technology through a gender lens.

## Recommendations (II)

#### **Employers:**

- Establish family-friendly policies, such as establishing child care centers on-site, and guaranteeing a return to a person's original position after childcare leave.
- Establish stop-tenure clock policies for female faculties.
- Promote more women into leadership positions.
- Encourage flexible work schedules.
- Establish part-time university education for women.

#### **Academies and academic societies:**

- Establish standing committees on women in science in Academies and academic societies.
- Elect more female members and fellows, and increase women in all committees and programs.
- Establish funds for travel grants, short term fellowships, and research grants for women at various levels.
- Organize a special session on women in science at scientific conferences.
- Invite women as keynote and plenary speakers.
- Nominate more women for committees, Academies, Awards/Honors and to other leadership positions.

## 1. Education of Young Generation

- (a) Mentoring Talented High School Students
  - Selection of mentee on the basis of application, study plan and interview: 20 ~ 30 mentees every year
  - Each mentee is matched with a KAST fellow and guided by tutoring and often internship at mentor's laboratory; 6 months period
  - Science camp during the 6 months period



## 1. Education of Young Generation

- (b) Meet the KAST Scholar Program
  - KAST fellow may volunteer to provide high school students with a distinguished lecture on science, engineering, agriculture and medicine all over the country including the countryside.
  - KAST fellows visit more than 40 high schools each year to explain the frontier S&T, vision of S&T, story about Nobel Laureates, etc.



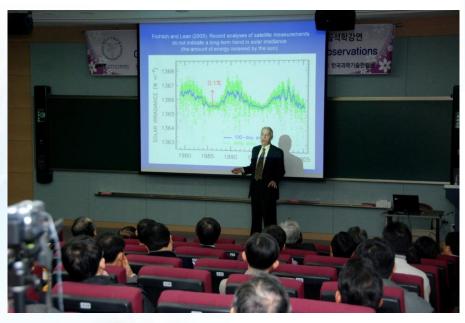
#### 1. Education of Young Generation

- (c) Nobel science Essay Contest
  - High School Students compete with their essays on Nobel Laureates
  - Awards : 3 Grand Prix, 6 Gold, 12 Silver, 30 Bronze
  - Grand Prix Awardees are given the opportunity to travel to Europe including visit to the Nobel Museum and attending the Nobel Lectures.



- 2. Guidance for Public Awareness and Understanding of SDGs of UN
  - (a) KAST Lecture by Distinguished Speakers Nov. 19, 200
    - Ralph J. Cicerone, President of U.S. National Academy of Sciences
    - "Global Climate Change and World Energy Demand"
    - Open to Kast Fellows, Students, General Public, Policy Makers
    - Influence upon the public at large through news coverage





## 2. Guidance for Public Awareness and Understanding

- (b) KAST International Symposium Nov. 20~21, 2008
  - Climate Change : The Scientific Reality and Technological

Countermeasures

Sessions : I. Climate Change: Impact and Adaptation,

II. Technological Countermeasures,

III. Mitigation Strategies in Industries

- Congratulatory Remarks by Prime Minister Han Seung-Soo UN Secretary General Ban Ki-moon's video messages
- Keynote Speeches by IPCC Chairman R. K. Pachauri and
  Executive Director of IEA Nobuo Tanaka
- 14 invited speakers including five invited from abroad
- Open to Experts, Policy Makers, Law Makers, News Media, Public
- Post-Symposium Recommendations and Suggestions were issued.
- Enormous Impact on Government, National Assembly, Academia and Public at Large through wide news coverage









# Assembly of Scholars and Experts - 1

- 1. Distinguished Lectures, Symposia, Workshops, International Programs, R&D Projects, Etc.
  - Promotion of information exchange and cooperation among members and experts, domestic & international
  - Reach out to the public at large for awareness and understanding of issues involved with the SDGs.
- 2. Future Earth Korea National Committee
  - Launched on April 25, 2016 under the leadership of ICSU
  - 42 members led by the President Soon-Chang Yoon
  - Secretariat is hosted by the KAST.
  - Objective: Fostering research that addresses major challenges to sustainability in Korea

# Future Earth research for global sustainability



photos: www.dawide.com

## Future Earth: goal

To provide the knowledge required for societies in the world to face risks posed by global environmental change and to seize opportunities in a transition to global sustainability

















Future Earth Korea National Committee launched April 25, 2016. It will play an important role in fostering research that addresses major challenges to sustainability in Korea. Endorsed by National Academy of Sciences, the secretariat of Future Earth Korea is hosted by the Korean Academy of Science and Technology.

#### **Future Earth Korea National Committee (2016. 5. 27)**

- 42 Members
- President: Soon-Chang Yoon (Vice President for External Relations, Korean Academy of Science and Technology)

#### **Future Earth Korea National Advisory Committee (2016. 5. 27)**

- 6 Members
- President: Won-Hoon Park (AASSA Founding President)

	Future Earth Korea Workshops & Meetings 2016	
1.	The 1 <sup>st</sup> "Future Earth – Korea" Workshop: Launch of Future Earth Korea Program and Future Plans	April 22, 2016
2.	Launch of Future Earth Korea Program & Future Earth Korea National Committee	April 25, 2016
3.	The 2 <sup>nd</sup> "Future Earth – Korea" Workshop: UN 2030 Sustainable Development Agenda: Korea Agenda and the Role of Future Earth Korea	May 20, 2016
4.	The 1 <sup>st</sup> Future Earth Korea National Committee Meeting	Jun 16, 2016
5.	The 3 <sup>rd</sup> "Future Earth – Korea" Workshop: Forest Preservation in Korea	Jun 16, 2016
6.	The 1 <sup>st</sup> Future Earth Korea National Advisory Committee Meeting	Jun 20, 2016



Launch of Future Earth Korea (2016. 4. 25)



1<sup>st</sup> Future Earth-Korea Workshop (2016. 4. 22)



2<sup>nd</sup> Future Earth-Korea Workshop (2016. 5. 20)



3<sup>rd</sup> Future Earth-Korea Workshop (2016. 6. 16)

# Assembly of Scholars and Experts - 2

## 3. Food & Nutrition Security and Agriculture (FNSA)

- A Project driven by IAP and led by AASSA
- IAP: Asia-Pacific, Europe, Inter-America, Africa
- AASSA: South East Asia, South, Central, Australia-Pacific
- Working Committee is formed to prepare a country report, "FNSA - The Korean Perspective".
- Search for the role of Korea for Food Security in Asia-Pacific Region and how to cooperate





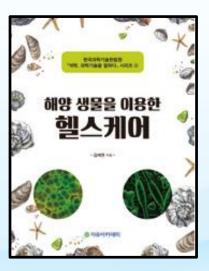
## Assembly of Scholars and Experts - 3

#### 4. Publications

- Policy Study Reports and Voice of the KAST
- Proceedings of Symposia and Workshops
- The S&T Book Series by KAST Fellows : for example,
  - 1) Food Safety, 2) The Earth, A Living Planet, 3) Search of the Sea guided by Chemistry, 4) Parasites in Human Body: Enemy or Ally, 5) Healthcare using Marine Bio-Resources







- 1. Future Earth Program and IAP Project of FNSA
  - Two examples of international cooperation for SDGs
- 2. KAST international Symposia and Workshops
  - KAST has signed MOUs with 46 Academies and Academic Societies in 37 countries
  - KAST hosts bilateral symposia with Academies in Africa, France, Germany, Italy, Mongolia, Russia and U.S.A.
  - Previous activities include Australia, Canada and Sweden.
  - Recently, KAST interacts with Academies in developing or less developed countries; e.g., African Academy of Sciences(AAS) and Mongolian Academy of Sciences(MAS).
    - \* 1<sup>st</sup> AAS-KAST Bilateral in Nairobi, Kenya and 2<sup>nd</sup> KAST-AAS Bilateral in Seoul, Korea
    - \* 1st MAS-KAST-NRSO Bilateral in Ulaanbaatar, Mongolia

### The 1ST KAST-AAS BILATERAL SYMPOSIUM

# Theme: Recent Advances in Biosciences and Biotechnology for Socio-economic Development 06 JULY 2015, OBASANJO CONFERENCE ROOM, AAS, NAIROBI, KENYA

DAY 1: Monday July 6th 2015

	DAY 1: Monday July 6th 2015	
TIME	EVENT	SPEAKER
08.30 -0845	REGISTRATION	
08:45 - 09.15	Introductory	Prof. Aderemi Kuku, President, African Academy of Sciences (AAS
	Welcome Statement	Prof. Sung Hyun Park, President, Korean Academy of Science and Technology (KAST)
09.15 - 09:50	Malaria Control in Africa: Successes, Challenges and	Abdisalan Noor, KEMRI/ Wellcome Trust-Research Programme (KEMRI-WTRP),
	Opportunities	Kenya.
09:50-10:25	Metabolic engineering of sweet potato pigment antioxidants in	Sang-Soo KWAK, Plant Systems Engineering Research Center, Korea Research Institute
	transgenic plants for sustainable development on global marginal	of Bioscience and Biotechnology (KRIBB), South Korea.
	lands	
10.25 – 11:00	TEA BREAK	
11:00 - 11:35	A new horizon of microalgal biotechnology for	Hee-Mock Oh, Korea Research Institute of Bioscience & Biotechnology (KRIBB), South
	cyanobacterial bloom control and microalgal products	Korea.
	simultaneously	
11:35 – 12:05	Developing high value commodities from Africa's plant	Ermias Dagne: African Laboratory for Natural Products (ALNAP), Department of Chemistry,
	resources through product-focused research	Addis Ababa University, Ethiopia.
12.05 - 12.40	Cellular modelling of human diseases using induced	Yong-Mahn Han, Dept. of Biological Sciences, Korea Advanced Institute of Science and
	pluripotent stem cells	Technology (KAIST), South Korea.
12:40-13:00	General Discussion	
13:00- 14:00	LUN	СН
14.00 - 14.35	Capacity Building for biosciences in Africa: the AESA Approach	Thomas Kariuki, Alliance for Accelerating Excellence in Science in Africa (AESA), African
		Academy of Sciences, Kenya
14.35 – 15:10	Cancer Genomics and personalized medicine	Yong-Koo Park, Department of Pathology, Kyung Hee University Hospital, South Korea.
15:10 – 15:45	Establishment of mucosal immunology assays for use in HIV	Omu Anzala, KAVI – Institute of Clinical Research, College of Health Sciences, University of
	vaccine evaluation	Nairobi, Kenya.
15:45 – 16:20	Anticancer and anti-inflammatory activities of Korean	Yeong Shik Kim, Natural Products Research Institute, College of Pharmacy, Seoul National
	herbal medicine	University, South Korea.

#### 2. KAST international Symposia and Workshops

\* 1st AAS-KAST Bilateral Symposium in Nairobi, Kenya





## The 2nd KAST-AAS Bilateral Symposium

Theme: "Bio-Natural Resources and Their Applications" - Korea-Africa Science, Technology and Innovation(STI) Cooperation -

Wednesday, 20 April 2016, Maple Hall, The Plaza Hotel, Seoul, Korea

Time	Contents	
09:30 – 10:00	Registration	
	•	
	Opening Ceremony	
10:00 – 10:30	- Welcoming Remarks: Myung Chul Lee (President, The Korean Academy of Science and Technology (KAST))	
10.00 - 10.30	- Congratulatory Remarks : Aderemi Kuku (President, African Academy of Sciences (AAS))	
	Jong-Guk Song (President, Science & Technology Policy Institute (STEPI))	
10:30 – 10:40	Group Photo	
Session 1: Africa, the	Opportunity for Science, Technology and Innovation	
10.40 11.00	Introduction of the African Academy of Sciences	
10:40 – 11:00	Aderemi Kuku (President, African Academy of Sciences(AAS))	
Session 2: Emerging T	echnologies for the Sustainable Development of Africa	
44.00 44.20	CRISPR RNA-guided Genome Editing in Human Stem Cells, Animals, and Plants	
11:00 – 11:30	Jin Su Kim (Director, Center for Genome Engineering, Institute for Basic Science(IBS), / Professor, ul National University)	
	Identification and Characterization of New Protein Markers of Protective Immunity Against Malaria in the Cameroon Rain Fores	
11:30 – 12:00	t = a Mini Review	
	Vincent P.K. Titanji (Vice Chancellor, Cameroon Christian University/ Vice President, African Academy of Sciences(AAS))	
12:00 – 12:30	Symbiotic Rhizobia are Key to a Well-Fed and Healthy Africa	
12.00 - 12.30	Felix Dapare Dakora (Professor, Tshwane University of Technology Arcadia Campus ember, African Academy of Sciences(AAS))	
12:30 – 12:40	Q & A	

### 2. KAST international Symposia and Workshops

\* 2<sup>nd</sup> KAST-AAS Bilateral Symposium in Seoul, Korea





#### The 1st MAS- KAST- NRSO Bilateral Symposium

# Theme: "The Application and Practice of Statistics – National Economic Development" 9-10 June 2016, Ulaanbaatar, Mongolia

[Thursday, 9 June 2016] \*Venue: Conference Hall)

Time	Contents	
08:20 - 08:50	Registration of Participants	
09:00 – 09:30	Opening Ceremony Opening Remarks Prof. Regdel. B. Vice-President of Mongolian Academy of Sciences (MAS) Welcoming Remarks Mr. Mendsaikhan. S. Chairman of National Registration and Statistics Office (NRSO), Mongolia Prof. Sung Hyun Park, Head of Delegations from the Korean Academy of Science and Technology (KAST)	
Morning Session	Chair of Session: Prof. Dorj. T. Vice-President of Mongolian Academy of Sciences (MAS)	
09:30 – 09:55	"Current Development of Mongolian Statistics and its Future Perspectives"  Mr. Mendsaikhan Sonomtseren, Chairman of National Registration and Statistics Office of Mongolia	
09:45 – 10:05	The Past, Present and Future of Quality Management in Korean Industry; How does the Application of Statistics Help Quality Management?  Prof. Sung Hyun Park Former President of the Korean Academy of Science and Technology (KAST)	
10:05 – 10:25	Analytical result regarding the significance of the Multivariate Regression model for predicting GDP of Mongolia Prof. Dorj. T Vice-President of Mongolian Academy of Sciences (MAS)	
10:25 – 10:45	Discussion	
10:45 - 11:00	Group Photo	
11:00 – 11:20	Coffee Break	

2. KAST international Symposia and Workshops

\* 1st MAS-KAST-NRSO Bilateral Symposium in Ulaanbaatar,

Mongolia



- 3. Operation of AASSA Secretariat
  - KAST supports AASSA in financing, administration and program operation and thereby AASSA's activities for SDGs.
- 4. Inter-Academy Seoul Science Forum (IASSF)
  - KAST hosts IASSF every year since 2012.
  - A good number of Presidents, Vice Presidents, Secretary Generals, Foreign Secretaries of foreign academies participate in the Roundtable Discussion Session.
  - In 2015, 17 representatives from academies of different countries participating in the Roundtable Discussion.
  - Issues discussed include many of the SDGs; e.g., Climate Change, Food & Nutrition Security, Environment, Education, Water Resources, Gender Inequality, Social Welfare, etc.
  - An excellent forum to share ideas, policies, programs, information and data among participating academies.



## **Concluding Remarks**

- 1. The KAST has been engaged in dealing with sustainable development through its various programs and activities.
- 2. The KAST is indeed an almost ideal institution to develop solutions to the SDGs of UN because it can bring together scholars and experts from different disciplines.
- 3. The KAST will continue to fulfill its obligations and share its capabilities with academies and academic organizations all around the world to pursue the SDGs of UN.
- 4. The KAST identifies its roles as a Think Tank, an Educational Institution, an Assembly of Scholars and Experts, and an International Network for sustainable development.

