

Science and the SDGs: the role of academies

IAP Triennial Conference 2019

PROVISIONAL AGENDA

9 APRIL 2019		
09:00-09:15	Opening Ceremony	Professor Min Koo Han , President KAST Professor Volker ter Meulen , Professor Liu Depei , Co-Presidents IAP Representative of Korean government (TBC)
SESSION 1: PUTTING SCIENCE AND THE SDGS IN PERSPECTIVE Moderators: Professor Ryan (Seryeon) Song, Kyung Hee University and Dr Ed Gerstner (Director of Journal Policy and Strategy, Nature) Objective: to understand the role of science in supporting the UN's Sustainable Development Goals (SDGs), the imperative for the global science community to support them, and the transformation in science required to realize them.		
09:15-10:00	KEYNOTE: The UN Sustainable Development Goals: the changing paradigm of science required to meet them and the imperative for the global science community to support them [working title]	Professor Jacqueline McGlade , Professor of Resilience and Sustainable Development, University College London and Former UNEP Chief Scientist
10:00-10:15	Taking stock of STI-for-the-SDGs: a critical analysis	Dr Bill Colglazier , Editor-in-Chief of Science & Diplomacy
10:15-10:30	The IAP project "Improving scientific input to global policymaking"	Professor Eva Alisic , IAP Project Co-Chair, the IAP SDGs project
10:30-11:00	Discussion	
11:00-11:30	COFFEE BREAK & PHOTOGRAPH	
SESSION 2: THE ROLE OF ACADEMIES IN SUPPORTING THE SDGS: WHAT CAN WE LEARN FROM EACH OTHER? Moderators: Professor Ryan (Seryeon) Song, and Dr Ed Gerstner Objective: to explore how national science academies are supporting the implementation of the SDGs, what they can learn from this process and from each other.		
11:30-13:00	National case studies in the Americas National case studies in Africa National case studies in Asia EASAC: a regional case study Engaging with the SDGs: a Global Young Academy perspective	Professor Roberto Williams , President National Academy of Exact, Physical and Natural Sciences, Argentina Professor Luiz Davidovich , President, Brazilian Academy of Sciences Professor Himla Soodyall , Executive Officer, Academy of Science of South Africa (ASSAf) Professor Ranjith Mahindapla , President, National Academy of Sciences, Sri Lanka HRH Princess Sumaya , President, Royal Scientific Society, Jordan Professor Hye-Yeong Chun Executive Vice-President, KAST Professor Thierry Courvoisier/Christiane Diehl , EASAC (TBC) Professor Yoko Shimpuku , Kyoto University
	Discussion	
13:00-14:00	LUNCH	
SESSION 3: OPPORTUNITIES FOR ENGAGEMENT IN THE UN SYSTEM Moderators: Professor Ryan (Seryeon) Song, and Dr Ed Gerstner Objective: to explore opportunities for engagement in the UN system.		
14:00-14:20	Engaging with international science assessment programmes	Professor Changmo Sung , Past member, technology Executive Committee, UNFCC (tbc)
14:20-14:40	Working with UN Regional Commissions	Dr Katinka Weinberger , Chief, Environment and Development Policy, UN Economic and Social Commission for Asia and the Pacific (UNESCAP)

14:40-15:00	Supporting the S&T Community Major Group	Dr Heide Hackmann , CEO, International Science Council
15:00-15:30	Discussion	
15:30-16:00	COFFEE BREAK	
SESSION 4: HOW CAN ACADEMIES BETTER RESPOND TO THESE OPPORTUNITIES?		
Moderators: Professor Ryan (Seryeon) Song, and Dr Ed Gerstner		
<u>Objective:</u> to consider how academies can respond to increasing demands and expectations placed on the science community.		
16:00-16:20	How can academies continue to be relevant in a fast-changing world?	Professor Rajae El Aouad , Working Group member, IAP SDGs Project
16:20-16:40	The philosophy and practice of the young academies	Professor Tolu Oni , Co-Chair, Global Young Academy
16:40-17:00	Preparing for IAP's next strategic plan: a roadmap to 2030?	Dr Teresa Stoepler , Executive Director, IAP for Research and Dr Peter McGrath , Coordinator IAP
17:00-17:30	Discussion	
CONFERENCE DINNER		
10 APRIL 2019		
SESSION 5: THEMATIC CASE STUDY 1: IAP FOOD & NUTRITION SECURITY & AGRICULTURE (FNSA)		
Moderators: Professor Mohamed Hassan (President, Sudanese National Academy of Sciences) and Dr Ed Gerstner		
<u>Objective 5(a):</u> to discuss key conclusions from IAP's FNSA interregional project and to explore as a learning tool for engaging with the SDGs.		
<u>Note:</u> in this case study, both technological <i>and</i> social (or behavioural) solutions are needed to inform policy.		
09.00-09.10	Introduction	Professor Mohamed Hassan President, Sudanese National Academy of Sciences
09.10-9.30	European Academies Science Advisory Council (EASAC)	Dr Robin Fears , Director, Biosciences Programme, EASAC
09.30-09.50	Network of African Science Academies (NASAC)	Professor Sheryl Hendriks , Institute for Food, Nutrition and Well-being, University of Pretoria
09.50-10.10	Association of Academies & Societies of Science in Asia (AASSA)	Professor Paul Moughan , Riddet Institute, Massey University
10.10-10.40	COFFEE BREAK	
10.40-11.00	FNSA in Korea: a national perspective	Professor Hyun Jin Park , KAST
13:30-13:40	Opening presentation	Professor O. K. Baek , Research Fellow & Head of Cognitive Informatics Research Division at the Federal Research Agency of Korea, ETRI
11.00-11.20	InterAmerican Network of Academies of Science (IANAS)	Professor Jeremy McNeil , Co-chair, IANAS
11.15-12.00	Discussion	
12.00-13.30	LUNCH	
SESSION 6: THEMATIC CASE STUDY 2: ARTIFICIAL INTELLIGENCE (AI)		
Moderators: Professor Peggy Hamburg (Foreign Secretary, US National Academy of Medicine) and Professor Ryan Song		
<u>Objective 5(b):</u> The development of AI represents a seminal event in human history, but much about it remains poorly understood and how its transformative potential will be applied remains to be determined. This session will examine opportunities to drive innovation and application in ways that will improve lives and support the SDGs in several key areas, while recognizing concerns about what this evolving technology may mean for the future of jobs, ethics and privacy, worsening inequality and other perceived threats.		
<u>Format:</u> four speakers, followed by Q&A and open discussion with all conference participants.		
<u>Questions for all participants to consider:</u>		
<ul style="list-style-type: none"> • How can academies help support safe, trusted development of AI technologies, that maximize opportunities for beneficial applications and reduce likelihood of threats and misapplication? • How can we better ensure equitable access to the benefits of these evolving capabilities? • Can/should academies work with key stakeholders like policymakers, the public, industry and the media to enhance understanding and drive sound, data-driven policies and programs? • How can the academies help identify important opportunities to apply AI approaches to achieve a broad set of the SDGs? 		
13:40-13:55	AI and Smart Cities	Dr. Jeonming Seong , McKinsey & Company
13:55-14:10	AI and Health	Dr. Ann Aerts , Novartis Foundation
14.10-14.40	Discussion	

SPECIAL THEME		
14:40-15:10	The World Health Organization (WHO) and science	Dr Soumya Swaminathan , Deputy Director-General Programmes, WHO
15:10-15:30	COFFEE BREAK	
CONCLUDING SESSION: FUTURE CHALLENGES FOR ACADEMIES IN A CHANGING WORLD		
Moderator: Dr Ed Gerstner		
<u>Objective:</u> to agree a set of actions that academies can implement in their own national and regional contexts.		
17.00	CONFERENCE CLOSING CEREMONY	