

—Science 20 (S20) Japan 2019—

1. Theme

“Threats to Marine Ecosystems and Conservation of the Marine Environment
– with Special Attention to Climate Change and Marine Plastic Waste”

2. Overview of the Statement

(Overview)

A pristine marine environment is essential for the sustainable development of human society. However, marine ecosystems are facing serious threats. On a global scale, warming, acidification and deoxygenation are major environmental concerns. Eutrophication, pollution, accumulation of plastic waste, and Illegal, Unregulated and Unreported (IUU) fishing also damages marine ecosystems.

To mitigate those impacts upon society, the G20 Academies of Sciences call for:

- 1) expert, evidence-based advice during further development of marine resources;
- 2) redouble actions aiming to reduce stressors on marine ecosystems;
- 3) establishment of a circular economy and society at city and local levels through stakeholder collaboration and science-based target setting and its follow-up;
- 4) capacity building of research infrastructure such as research vessels, observation and survey techniques;
- 5) establishment of a data storage and management system that ensures access by scientists globally; sharing of information gained through research activities carried out under strong international collaboration, to expedite a comprehensive understanding of the global ocean;
- 6) sharing of information gained through research activities carried out under strong international collaboration.

3. Programme

○ Opening 9:30~10:00

Opening Remark, Prof. Juichi YAMAGIWA, President, Science Council of Japan,
President, Kyoto University

Introduction, Dr. Yoshihisa SHIRAYAMA, Member, Science Council of Japan

Associate Executive Director,

Japan Agency for Marine-Earth Science and Technology

○ Keynote Speech 10:00~11:00

- Prof. Biliانا CICIN-SAIN, President, Global Ocean Forum,
Former Director, Gerard J. Mangone Center for Marine Policy

- Prof. Mitsuo UEMATSU, Member, Science Council of Japan
Professor Emeritus, Atmosphere and Ocean Research Institute, University of Tokyo

○ Panel Discussion 11:30~13:30

- Dr. Yoshihisa SHIRAYAMA (Moderator)
- Prof. Dato Dr. Aileen Tan Shau Hwai, Professor, University Science Malaysia
- Prof. Atsuhiko ISOBE, Professor, Research Institute for Applied Mechanics, Kyusyu University
- Dr. Vladimir RYABININ, Assistant Director General, UNESCO,
Executive Secretary, Intergovernmental Oceanographic Commission
- Dr. Yasuhiko HOTTA, Programme Director, Institute for Global Environmental Strategies
- Prof. Biliانا CICIN-SAIN
- Prof. Mitsuo UEMATSU

○ Joint Statement Discussion and Adoption 15:00~17:00 (16 : 45~Adoption to begin)

○ Closing 17:20~17:40

- Handover of the Statement (TBD)
- Remarks from the guest (TBD)
- Closing Remark Prof. Kazuhiko TAKEUCHI, Vice-President, Science Council of Japan
President, Institute for Global Environmental Strategies

○ Photo Session 17:40~18:00

4. Attending S20 Academies (National Academies of G20 members)

Science Council of Japan (host academy)、French Academy of Sciences、National Academy of Sciences, USA、The Royal Society、The German National Academy of Sciences ,Leopoldina、National Academy of Lincei (Italy)、Royal Society of Canada、European Commission (Observer)、The National Academy of Exact, Physical and Natural Sciences、Australian Academy of Science、Brazilian Academy of Sciences、Chinese Academy of Sciences、Indian National Science Academy、Indonesian Academy of Sciences、Mexican Academy of Sciences、The Korean Academy of Science and Technology、Russian Academy of Sciences、King Abdulaziz City for Science and Technology (Saudi Arabia)、Academy of Science of South Africa、Turkish Academy of Sciences