

**JAPANESE-GERMAN CENTER BERLIN (JDZB)
GERMAN CENTRE FOR RESEARCH AND INNOVATION (DWIH TOKYO)
GERMAN AEROSPACE CENTER (DLR)**

DRAFT PROGRAM

for the symposium

**Sustainable Space – Resilient Earth:
Perspectives and Contributions from Japan and Germany**

on Thursday, June 1, 2023

at German Culture Centre (OAG Hall)
7-5-56 Akasaka, Minato-ku, Tokyo 107-0052, Japan

15:00 – 18:00 JST / 08:00 – 11:00 CEST

Languages: English with simultaneous interpretation into Japanese

ABSTRACT

Space system services such as telecommunications, navigation and Earth observation are indispensable for the functioning of modern societies. They provide voice and data communications, maritime and aeronautics navigation, weather forecast, disaster relief or intelligence gathering, to name a few examples. But as more countries and private actors are venturing into space, the security and sustainability of space has increasingly become threatened – and thereby impacting resilience on earth.

Space systems in orbit have always been confronted with a number of dangers, including meteoroids and solar storms. The current expansion of commercial activities and opportunities in space combined with the growing potential for conflicts in orbit between the actors involved has further raised another major, man-made risk: space debris. The amount of defunct equipment left in the orbit is on the rise – and thus the risk for minor but also major collisions increases. Collisions cause further debris, and even small pieces pose a serious threat because of the high velocities involved. An exponential rise of debris fragments in space could one day even make it impossible to safely utilize satellites and thus have a major impact on earth.

Unhindered access to space by promoting the safe and sustainable use of space is of utmost importance for Germany and Japan. Both countries are at the forefront of developing technologies to mitigate the space debris problem and are looking back on decades of close cooperation in the space domain.

This symposium will bring together Japanese and German perspectives to reflect on strategies and regulations, stakeholders and claims, innovative technologies, and also the Japanese and German contributions to improve sustainability in space.

PROGRAMM

(as of May 17, 2023)

14:30 – 15:00 Registration at OAG Hall

15:00 – 15:15 Welcome 08:00 – 08:15 CEST

Axel KARPENSTEIN (Director; German Center for Research and Innovation (DWIH Tokyo))

Ambassador Takeshi YAGI (President; Japanese-German Center Berlin (JDZB))

Dr. Anna WALLBRECHT (Deputy Head of Economic and Scientific Department; Embassy of the Federal Republic of Germany Tokyo)

15:15 – 15:45 Keynote Presentations: Strategies and Regulations 08:15 – 08:45 CEST

Chair: Dr. Phoebe Stella HOLDGRÜN (Head of Conferences / Project Management; Japanese-German Center Berlin (JDZB))

Prof. Dr. Setsuko AOKI (Vice-President & Director; International Institute of Space Law (IISL) & Professor of Law, Keio University Law School)

Matthias WACHTER (Managing Director; NewSpace Initiative, Federation of German Industries (BDI), Berlin)

15:45 – 16:15 Discussion 08:45 – 09:15 CEST

16:15 – 16:30 Coffee Break 09:15 – 09:30 CEST

16:30 – 18:00 Panel Discussion: 09:30 – 11:00 CEST

Chair: Axel KARPENSTEIN (Director; German Center for Research and Innovation (DWIH Tokyo))

Wolfgang RIEDE (Head of Department Active Optical Systems; Institute of Technical Physics, German Aerospace Center (DLR), Stuttgart)

Toshifumi YANAGISAWA (Research and Development Directorate, Associate Senior Researcher; Japan Aerospace Exploration Agency (JAXA), Tokyo)

Kristina NIKOLAUS (CEO & Co-Founder; OKAPI:orbits GmbH, Braunschweig)

Chris BLACKERBY (Group Chief Operating Officer; Astroscale, Tokyo)

Stijn LEMMENS (Senior Space Debris Analyst; Team; European Space Agency ESA, European Space Operations Centre, Darmstadt)

18:00 End of the Symposium 11:00 CEST

18:00 – 19:00 Reception at OAG Hall (Foyer)

Please post your questions here:

