



United Nations/China Forum on Space Solutions: Realizing the Sustainable Development Goals

Programme

24 – 27 April 2019, Changsha, China

Organized by

United Nations Office for Outer Space Affairs (UNOOSA)

China National Space Administration (CNSA)

In Cooperation with

Industry and Information Technology Department of Hunan Province

Supported by

Asia-Pacific Space Cooperation Organization (APSCO)

Regional Centre for Space Science and Technology Education in Asia and the Pacific (China),

Affiliated to the United Nations

Municipal People's Government of Changsha

Hunan University

Note: The programme is subject to change by the Organizing Committee.

Time	Activity
23 April, Tuesday	
9:00-18:00	Registration <i>*Reception Hall, Wanda Vista Changsha¹</i>
20:00-21:00	“Starry Sky” Firework Show Hosted by the Government of Hunan Province and Changsha Municipal Government <i>*Changsha Orange Isle</i>
24 April, Wednesday	
7:30-9:00	<i>Bus transfer from Wanda Vista Changsha to attend the home event of “Space Day of China”. The transportation will be provided by local organizers.</i>
9:00-10:30	Home event of “Space Day of China” (simultaneous interpretation) <i>*All the participants are invited to attend the home event of “Space Day of China”, which will take place at Saint- Tropez Hotel. The UN/China Forum on Space Solutions is a separate event.</i>
10:30-11:30	<i>Bus Transfer from Saint- Tropez Hotel to Wanda Vista Changsha for the UN/China Forum. The transportation will be provided by local organizers.</i> <i>*All sessions of the UN/China Forum will take place in Wanda Vista Changsha.</i>
11:30-13:00	Lunch <i>*Ballroom (1st floor) for foreign guests and Beijing Hall (2nd floor) for Chinese guests. All participants are invited to join the lunch, which will be hosted by the Government of Hunan Province.</i>
13:15-14:05	Opening Session² (simultaneous interpretation) Master of Ceremony: Mr. Yanhua Wu, Vice Administrator, China National Space Administration (CNSA) Opening addresses: <ul style="list-style-type: none"> <i>Ms. Simonetta Di Pippo, Director, United Nations Office for Outer Space Affairs (UNOOSA)</i> <i>Mr. Kejian Zhang, Administrator, CNSA</i> <i>Mr. Dazhe Xu, Governor, Hunan Province, China</i> Signing Ceremony
14:05-14:15	Group Photo (at the Entrance of Wanda Vista Changsha)
14:15-14:30	Tea Break
14:30-14:50	Setting the Scene (simultaneous interpretation) <ul style="list-style-type: none"> Forging partnerships between users and providers for the SDGs

¹ Address of Wanda Vista Changsha: 308 Xiangjiang Middle Road, Section 1, Kaifu District, Hunan Province 410005, China.

² All sessions except the match-making session will take place at Ballroom (3rd floor), Wanda Vista Changsha.

Time	Activity
	<p><i>Mr. Hui Du, UNOOSA</i></p> <ul style="list-style-type: none"> Arrangement of the UN/China Forum <p><i>Ms. Hui Jiang, CNSA</i></p>
14:50-15:40	<p>Keynote Speeches (simultaneous interpretation)</p> <p>Master of Ceremony:</p> <p>Ms. Hui Jiang, CNSA</p> <ul style="list-style-type: none"> Space for the SDGs <p><i>Ms. Simonetta Di Pippo, Director, UNOOSA</i></p> <ul style="list-style-type: none"> China space solutions for the realization of the SDGs <p><i>Ms. Qi Yu, Deputy Director General, International Cooperation Department, CNSA</i></p>
15:40 -16:00	Tea Break
16:00-18:00	<p>High Level Panel: Enhancing the role of space for the SDGs</p> <p>Chair:</p> <p>Ms. Simonetta Di Pippo, Director, UNOOSA</p> <p>Rapporteur:</p> <p>Mr. Jorge Del Rio Vera, UNOOSA</p> <p>Mr. Jianbo Du, China Academy of Space Technology</p> <p>Panelists:</p> <ul style="list-style-type: none"> Mr. Yanhua Wu, Vice-administrator, CNSA Mr. Xinwen Yu, Vice-administrator, China Meteorological Administration (CMA) Mr. Solomon Belay Tessema, Director-General, Ethiopian Space Science and Technology Institute (ESSTI) Ms. Nivin Hasan, Deputy General Director, Royal Jordanian Geographic Center Ms. Orbita Roswintiarti, Deputy Chairman, National Institute of Aeronautics and Space of Indonesia (LAPAN) Mr. Amer Nadeem, Chairman, Space and Upper Atmosphere Research Commission (SUPARCO) of Pakistan Mr. Anond Snidvongs, Executive Director, Geo-Informatics and Space Technology Development Agency (GISTDA) of Thailand Mr. Anthoni Camilo Torres, President, Bolivarian Agency for Space Activities (ABAE), Venezuela
18:30-20:30	<p>Welcome Dinner</p> <p>Hosted by CNSA</p> <p><i>*Terrace (5th floor), Wanda Vista Changsha</i></p>
25 April, Thursday	
9:00-10:40	<p>Session 1: Space user needs for the SDGs</p> <p>Moderator:</p> <p>Mr. Xingfa Gu, AOGE Lead/Aerospace Information Research Institute (AIR), Chinese Academy of Sciences (CAS)</p>

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	<p>Rapporteur: Mr. Lenin Babu Kamepalli, Karnataka State Natural Disaster Monitoring Centre (KSNDMC), India Ms. Yizhen Yin, China Aerospace Science and Technology Consulting Co., Ltd.</p> <ul style="list-style-type: none"> • A partner in the 2030 agenda for sustainable development <i>Mr. Rozman Isli, Member of Malaysian Parliament</i> • Monitoring and estimation of the Sustainable Development Goal (SDG) 15 by remote sensing tools, assessment of land productivity change (sub-indicator 15.3.1) <i>Ms. Farah Benharrats, Algerian Space Agency</i> • Facing societal challenges in the Central American region through space technology: the case of extreme natural events prevention and mitigation <i>Mr. Luis Diego Monge Solano, Central American Association for Aeronautics and Space, Costa Rica</i> • Space technology and mobile communications networks for achieving the UN 2030 Agenda – SDG17: case study in Bolivia <i>Mr. Gabriel Andres Jaimes Illanes, Regional Centre for Space Science and Technology Education in Asia and the Pacific (China) (affiliated to the United Nations)</i> • Earth observation for disaster risk reduction for achieving the targets of the SDGs and SFDRR in China <i>Ms. Suju Li, National Disaster Reduction Center, Ministry of Emergency Management (MEM), China</i> • Spatial information services for Malaysia and ASEAN <i>Mr. Wong Wai Sang, Malaysia Innovation Hub</i> • Three-Poles Environment and Climate Change, a new science initiative to contribute to the SDGs <i>Mr. Xiao Cheng, School of Remote Sensing and Mapping, Sun Yat-Sen University</i>
10:40-11:00	Tea Break
11:00-12:30	<p>Session 2: Space solutions for the SDGs Moderator: Mr. Jorge Del Rio Vera, UNOOSA Rapporteur: Mr. Imran Ahmed Khan, University of Karachi, Pakistan Ms. Jia Zhang, Chinese Academy of Sciences</p> <ul style="list-style-type: none"> • Present status and future perspective of global and regional earth observation system in China <i>Mr. Cheng Wang, Earth Observation System and Data Center, CNSA</i> • The Brazilian space program and the United Nations sustainable goals: present and forthcoming advances <i>Ms. Amelia Onohara, Brazilian Space Agency</i> • The progress of Fengyun satellite program and its application

Time	Activity
	<p><i>Mr. Qifeng Lu, National Satellite Meteorological Center, China Meteorological Administration (CMA)</i></p> <ul style="list-style-type: none"> The UK National Space Academy – international space education collaboration for greater global inclusivity, prosperity and equality <p><i>Mr. Anu Ojha, UK National Space Centre and UKRI-STFC, United Kingdom</i></p> <ul style="list-style-type: none"> World Meteorological Organization supporting the 2030 Agenda for Sustainable Development <p><i>Mr. Werner Balogh, World Meteorological Organization (WMO)</i></p> <ul style="list-style-type: none"> China small satellite's contribution to the SDGs and its international cooperation mode <p><i>Mr. Yufu Cui, DFH Satellite Co., Ltd.</i></p>
12:30-13:30	<p>Lunch</p> <p><i>* Beijing Hall (2nd floor). All participants are invited to join the lunch, which will be hosted by the China Aerospace Science and Technology Corporation (CASC).</i></p>
13:30-15:10	<p>Session 3: Enhancing international space cooperation for the SDGs</p> <p>Moderator:</p> <p>Mr. Ruofei Gao, China Great Wall Industry Corporation (CGWIC)</p> <p>Rapporteur:</p> <p>Mr. Luis Diego Monge Solano, Central American Association for Aeronautics and Space (ACAE), Costa Rica</p> <p>Mr. Jianbo Du, China Academy of Space Technology</p> <ul style="list-style-type: none"> Alliances in space cooperation to create new capabilities in space security: the Mexican experience <p><i>Mr. Jesús Roberto Romero Ruiz, Mexican Space Agency</i></p> <ul style="list-style-type: none"> AOGEO, a regional cooperation focusing on using Earth observation to support realizing the Sustainable Development Goals <p><i>Mr. Xingfa Gu, AOGEO Lead/Aerospace Information Research Institute (AIR), China Academy of Sciences</i></p> <ul style="list-style-type: none"> Practical strategies in the realization of the SDGs for developing countries: key roles for the UNOOSA Regional Centres <p><i>Mr. Ganiyu Ishola Agbaje, African Regional Centre for Space Science and Technology Education in English (Affiliated to the United Nations)</i></p> <ul style="list-style-type: none"> Regional coordination on improving water resources management and capacity building using remote sensing techniques <p><i>Ms. Nivin Hasan, Royal Jordanian Geographic Centre</i></p> <ul style="list-style-type: none"> Serbia and the Balkans – united under the SDGs <p><i>Mr. Milan Mijovic, Serbian office for Space sciences, Research and Development</i></p> <ul style="list-style-type: none"> Regional space cooperation enhancement programmes under APSCO platform <p><i>Mr. Manop Aorpimai, Asia-Pacific Space Cooperation Organization (APSCO)</i></p> <ul style="list-style-type: none"> The Long March launch services -your reliable partner to sustainable exploration in space

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	<i>Ms. Yuanying Zhou, China Great Wall Industry Corporation (CGWIC)</i>
15:10-15:30	Tea Break
15:30-17:20	<p>Session 4: Space law and policy for the SDGs</p> <p>Moderator: Mr. Niklas Hedman, UNOOSA</p> <p>Rapporteur: Ms. Maruska Strah, World Space Week Association Ms. Yizhen Yin, China Aerospace Science and Technology Consulting Co., Ltd.</p> <ul style="list-style-type: none"> Towards development-oriented space law and policy <i>Mr. Bin Hu, Ministry of Foreign Affairs, China</i> The African space policy and strategy: towards social, political and economic integration of Africa <i>Mr. Mahaman Bachir Saley, African Union Commission</i> Coordination mechanisms and resources to realize the Sustainable Development Goals <i>Ms. Minoo Rathnasabapathy, Space Enabled Research Group – MIT Media Lab</i> ‘Space for the Future, Space for All’ – priority items for the UN Space2030 Agenda <i>Mr. Ryan Benson, Florida Benson LLC</i> Implementation of the UNISPACE+50 Thematic Priorities 2 and 3 as a contribution to SDG <i>Mr. Bernhard Schmidt-Tedd, German Aerospace Centre (DLR)</i> Enhancing international space cooperation for the SDGs <i>Ms. Ekaterina Ranyuk, State Space Corporation “Roscosmos”</i> Thailand’s approach to space and satellite sustainability: reform space and satellite regulation <i>Ms. Arpawadee Nuntree, Beihang University / Office of the National Broadcasting and Telecommunications Commission of Thailand</i> 2019 Space technologies applications development in attending SDGs challenges in Malaysia <i>Ms. Norzailawati Mohd Noor, International Islamic University of Malaysia</i>
17:30-19:30	<p>Match-making event (A light meal included)</p> <p>Moderator: Mr. Jorge Del Rio Vera, UNOOSA</p> <p>Facilitator: Ms. Hui Jiang, CNSA/Mr. Hui Du, UNOOSA <i>*Beijing Hall (2nd floor), Wanda Vista Changsha</i></p>
Full day	Poster session
26 April, Friday	
9:00-11:30	<p>Special Session: Win-win cooperation on the Space Information Corridor</p> <p>Moderator: Ms. Qi Yu, CNSA</p>

Time	Activity
	<p>Rapporteur: Mr. Milan Mijovic, Serbian Office for Space Sciences, Research and Development Mr. Jianbo Du, China Academy of Space Technology</p> <ul style="list-style-type: none"> • Programme and development of the Belt and Road Space Information Corridor <i>Ms. Hui Jiang, CNSA</i> • China space station bridges the world - utilization opportunity and international cooperation <i>Mr. Yang Yang, Technology and Engineering Center for Space Utilization, Chinese Academy of Sciences (CSU, CAS)</i> • Openness and cooperation - Chinese deep space providers new opportunities <i>Mr. Jizhong Liu, Lunar Exploration and Space Engineering Center, CNSA</i> • Using Fengyun series satellites to serve for countries along the Belt and Road <i>Mr. Tang Shihao, National Satellite Meteorological Centre, China Meteorological Administration (CMA)</i> • Development of Beidou navigation satellite system <i>Mr. Weiguang Gao, China Satellite Navigation Project Center</i> • Kuaizhou family of launchers propels commercial space industry <i>Mr. Meng Cao, Expace Technology Co., Ltd.</i> • Look into the future: talent cultivation for space cooperation <i>Mr. Fuli Zhang, Northwestern Polytechnical University, China</i> • Shared space, shared future——satellite integrated network promotes international cooperation <i>Mr. Huifeng Xue, China Aerospace Academy of Systems Science and Engineering</i> • Remote sensing assessment of agriculture and associated factors in China and south Asian countries <i>Mr. Imran Ahmed Khan, University of Karachi, Pakistan</i> • The first international space master programme in Shenzhou Institute as an opportunity for sharing experiences into the space development sector <i>Mr. Francisco Antonio Varela Muzzati, University Central of Venezuela</i>
11:30-11:45	Tea Break
11:45-13:30	<p>Session 5: The broader space community and the SDGs Moderator: Ms. Minoo Rathnasabapathy, MIT Media Lab Rapporteur: Mr. Zihua Zhu, Space Generation Advisory Council Ms. Jia ZHANG, Chinese Academy of Sciences</p> <ul style="list-style-type: none"> • World Space Week Association and the SDGs <i>Ms. Maruška Strah, World Space Week Association</i> • China Space Foundation and the SDGs <i>Mr. Yuanming Ning, China Space Foundation</i>

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	<ul style="list-style-type: none"> Hosted payloads on commercial satellites <i>Mr. Yilkal C. Eshete, Ethiopian Space Science and Technology Institute</i> SpaceLand: business innovation in microgravity with kids, disabled and elderly as new stakeholders, with no gender, geographical or generational boundaries, for a new space economy <i>Mr. Carlo Viberti, SpaceLand Africa Ltd</i> International cooperation of the space domain through economic development – the International Space Hub™ concept <i>Mr. Jose H. Ocasio-Christian, Caelus Foundation</i> Commercialization of space and creation of space debris: the need for strengthening international space law <i>Ms. Ishita Das, National Law University and Judicial Academy, Assam</i> Space startup's contribution to realise UN SDGs- a China's example <i>Mr. Lu Dong, Beijing Commsat Technology Development Co., Ltd(Commsat)</i>
13:30-14:30	Lunch
14:30-16:00	<p>Round table “Bridging gaps between user needs and space solutions: working towards 2030”</p> <p>Moderator: Mr. Niklas Hedman, UNOOSA</p> <p>Facilitator: Ms. Hui Jiang, CNSA/Mr. Hui Du, UNOOSA</p> <p>Guests:</p> <ul style="list-style-type: none"> Private sector contribution to the SDGs - enhancing a stable environment through norms of behavior <i>Mr. Ian Christensen, Secure World Foundation (SWF)</i> Implementation of Asia-Pacific Space Applications Plan of Action (2018-2030) to support achieving the SDGs <i>Mr. Keran Wang, United Nations Economic and Social Commission for Asia and the Pacific (ESCAP)</i> NewSpace2060 ecosystem <i>Ms. Helen Tung, NewSpace2060</i> Building a global network of partners to advance the new development of the UN "Programme on Space Applications" <i>Mr. Jingnong Weng, Regional Centre for Space Science and Technology Education in Asia and the Pacific (China) (affiliated to the United Nations)</i>
16:00-16:30	Tea Break
16:30-17:30	<p>Closing Ceremony</p> <p>Master of Ceremony: Mr. Niklas Hedman, UNOOSA</p> <ul style="list-style-type: none"> Adoption of the Changsha Declaration

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	<ul style="list-style-type: none"> Closing addresses <p><i>Ms. Simonetta Di Pippo, Director, UNOOSA</i></p> <p><i>Ms. Qi YU, Deputy Director General, International Cooperation Department, CNSA</i></p> <p><i>Representative of the Changsha Municipal Government</i></p>
Full day	Poster session
27 April, Saturday	
Morning	Technical/cultural visits