



UN/China Global Partnership Workshop on Space Exploration and Innovation

China National Space Administration

Feb.2022



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Background

During its fifty-ninth session in 2016, the **Committee on the Peaceful Uses of Outer Space** endorsed seven thematic priorities leading to the fiftieth anniversary of the first United Nations Conference on the Exploration and Peaceful Uses of Outer Space (UNISPACE+50), among which the Thematic Priority 1 is Global partnership in space exploration and innovation. Also in 2016, the Committee called upon States to establish a new action team, under thematic priority 1, with Jordan, China and the United States acting as Co-Chairs.

The 1st Global Partnership Workshop on Space Exploration and Innovation was held in Jordan in 2018.

China continues to contribute the platform to inspire international cooperation and global partnership on space exploration and innovation.



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Tentative Programme

Date: 25-29, April

Venue: Wenchang and Haikou, Hainan Province, China

Tentative Programme

Plenary Session: Opening Ceremony

Technical Session 1: Space exploration and Innovation perspective

Technical Session 2: International Rules and Policies regarding Space Exploration and Innovation

Technical Session 3: Sustainable space exploration – a special focus on Planetary Protection and Defense

Technical Session 4: Perspective and challenges in space science

Plenary Session: Closing Ceremony

Side Event: Outreach in space exploration and innovation

Side Event: Women in Space Exploration and Innovation

Special Event: Lunar and Deep Space Exploration



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Technical Session 1: Space exploration and innovation perspective

- This session expects to invite the heads of major space agencies around the world to participate in the dialogue, to share the latest space exploration plans, and jointly discuss how to build an open, cooperative, mutually beneficial and win-win global partnership in the space field.
- It is planned to invite various space related entities, including universities and scientific research institutions, industrial enterprises, space-related associations and organizations around the world to discuss their views and ideas on space exploration, space technology innovation, and future mission plans.



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Technical Session 2: International Rules and Policies regarding Space Exploration and Innovation

- International Space Law in the New Era of Space Exploration and Innovation
- Evolution of National Regulatory Frameworks in Response to Innovation in Space Activities
- The Contribution of Global Partnerships in the Peaceful Exploration and Use of Outer Space
- International Cooperation in Addressing Challenges to Long-term Sustainability of Space Activities
- Legal Issues and Cooperation Mechanisms in Lunar and Deep Space Exploration
- International and Regional Cooperation in Space-related Capacity-building
- Other Latest Development in Space Law and Policy



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Technical Session 3: Sustainable space exploration – a special focus on Planetary Protection and Defense

- For planetary protection, experts from COSPAR and international organizations are expected to be invited to introduce the latest international developments, and CNSA experts will introduce the development of planetary protection in China's planetary exploration missions.
- For planetary defense, experts related to the IAA Planetary Defense Conference are expected to be invited to introduce the latest situation of planetary defense exercises, and China will share its contribution to planetary defense.



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Technical Session 4: Perspective and challenges in space science

Strategic Plans in Space Science, and the International Cooperation Opportunities in lines with them:
Perspectives and Overviews from the Space Agencies and International Organizations

Major International Space Science Programs: Practice and Experience of International Cooperation

- China Space Station Telescope (CSST)
- the enhanced X-ray Timing and Polarimetry mission (eXTP)
- the International Meridian Circle Program (IMCP)
- the Solar wind Magnetosphere Ionosphere Link Explorer (SMILE)
- Solar Orbiter and Space-based multiband astronomical Variable Objects Monitor (SVOM)
- James Webb Space Telescope (expected)



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Special Event: Lunar and Deep Space Exploration

The Special Event will focus on Lunar and Deep Space Exploration, expecting to invite major space agencies to introduce future lunar and deep space exploration plans, including China's lunar and planetary exploration plans. It also expects to invite Russia, Europe and other space agencies to introduce their future deep space exploration missions.

- Phase IV of China Lunar Exploration Program
- Planetary Exploration of China
- Progress of International Lunar Research



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Side Event 1: Outreach in space exploration and innovation

- Launching ceremony of “HOPE” (Hyperspace Opportunity for Pioneering Education) Program of China-Africa space education cooperation
- Space education and its international cooperation
- Industrial companies and research entities’ responsibility in space education and how to jointly cultivate the next generation with universities

Side Event 2: Women in Space Exploration and Innovation

- Outstanding women in space area share their achievements and stories



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Format

The workshop, now under approving process, is expected to be held from 25 to 29 April, in hybrid mode

Registration

Designated webpage will be open in coming soon on UNOOSA website.

Speakers in workshop will join the event based on invitation and registration.

Participation is limited and all applicants based outside China are required to register online.

Participants based inside China are invited only.

Working Language

The working language of the Workshop will be English.



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Local View: Wenchang International Space City



One of the world's low-latitude launch sites

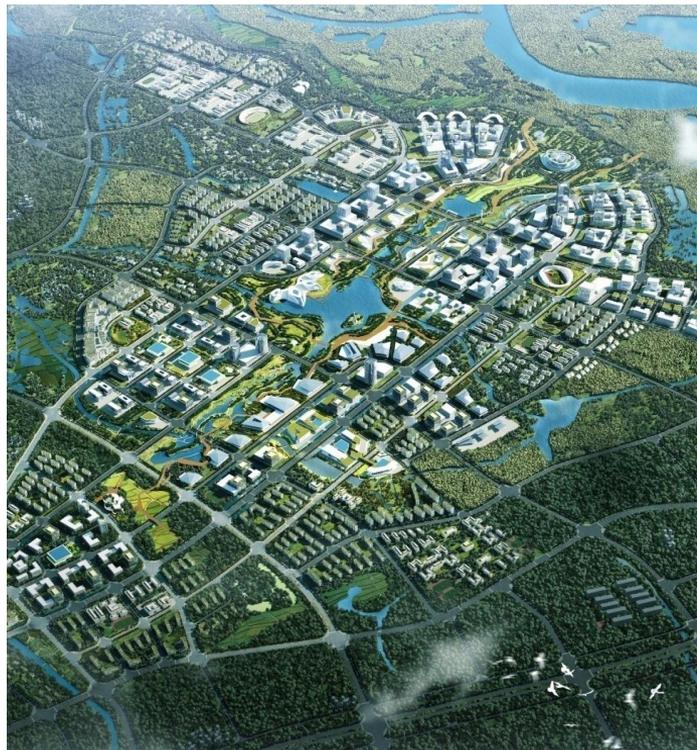
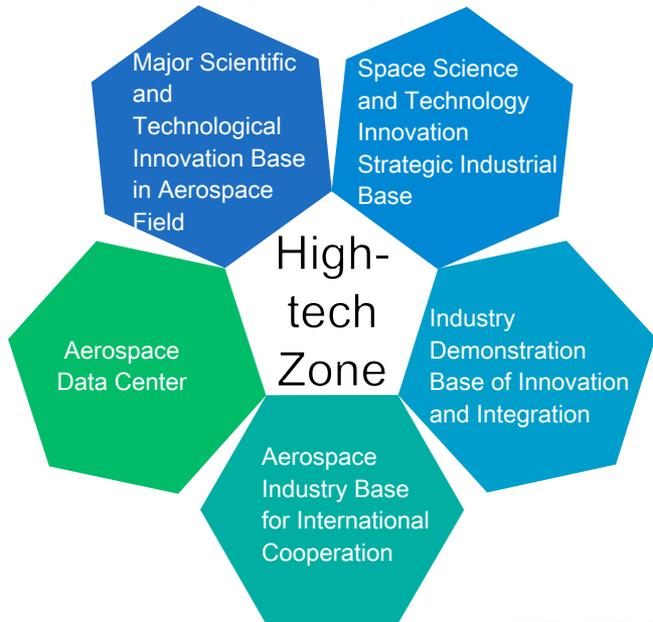
- The only low-latitude coastal launch site in China
- High launch efficiency: to enhance the carrying capacity
- Wide launch range: to meet the launch needs of a variety of spacecrafts
- High safety in the falling area of rocket debris
- Convenient maritime transportation
- The launch base for a new generation of launch vehicles
- Undertake a series of major aerospace projects such as Lunar and Deep Space Exploration and manned lunar landings
- Most competitive commercial space launch



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Local View: Development Concept

Planning concept: technological innovation, eco- wisdom,
integration of industry and city





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Perspective: An OPEN, INTERNATIONAL and INNOVATIVE aerospace city of world class

By 2025

- Infrastructure of the High-tech Zone will be basically completed
- Major progress will be made in building a world-class, opening-up and innovative pilot demonstration zone of Aerospace City

By 2035

- Wenchang International Aerospace City with “ecology, innovation, culture, happiness and wisdom” is expected to be built
- Innovation integration and space-related industry agglomeration will be fully shown, and the economic benefits are remarkable
- A world-class, opening-up and innovative pilot demonstration zone of Aerospace City will be finished in all respects



A blue-tinted image of Earth from space, showing the Western Hemisphere. The word "THANKS" is overlaid in white, bold, sans-serif capital letters. The moon is visible in the upper left corner. The background is a dark blue space filled with stars.

THANKS