



China Launched an NEA Defense Program

Report to IAA Space Debris Committee

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1 China will set up a NEA defense system

China's Space Program: A 2021 Perspective

Released by The State Council Information Office of the People's Republic of China, January 28, 2022

- **China will set up a near-earth asteroid defense system, and increase the capacity of near-earth object monitoring, cataloguing, early warning, and response.**
- **Formulate a mid - and long-term development plan for NEA defense.**
- **contribute to the protection of Earth and human security.**



2 China's first NEA Defense Mission-2025

Yanhua WU, the Deputy administrator of CNSA announced on the seventh Space Day of China, April 24, 2022.

- **At the end of the 14th Five-Year Plan period, in 2025 or 2026, China will implement its first near-Earth asteroid defense mission.**
- **The first mission defense will carry out a close observation of a target asteroid, conduct the kinetic energy impact to deflect the asteroid orbit test.**





3 China hopes to carry out international cooperation in NEA defense

Yanhua WU, the Deputy administrator of CNSA announced on the seventh Space Day of China, April 24, 2022.

- **China hopes to carry out international cooperation in research on key technologies of NEA defense.**
- **(2) China hopes to carry out international cooperation in NEA defense mission.**
- **(3) China will establish a ground simulation center of NEA defense mission, including test and numerical simulation, hopes to share related infrastructure with International counterparts.**



China Planetary Defense Conference-open

- **Discovery, observation, characteristic of NEA.**
- **Monitoring and early warning of NEA.**
- **Hazard assessment of NEA impact.**
- **NEA deflection and destruction modeling and testing.**
- **Impact risk response system and capacity development.**
- **Relevant mechanisms, policies and regulations.**
- **International cooperation on impact risk Response**
- **other topics.**



The 1st China Planetary Defense Conference

- October 23 - 27, 2021, Guiling, Guangxi, China.
- Regular Conference will be held every two years.





The 1st China Planetary Defense Conference

- 315 participants.
- 129 presentations.

第一届全国行星防御大会
The 1st China Planetary Defense Conference

广西·桂林
2021年10月23日-27日



Group photo of the conference representatives



Welcome to The 2nd China Planetary Defense Conference

- will be held in July, 2023, Yili, Xinjiang, China.





11th China National Space Debris Conference

- Regular Conference held every two years, started in 2001.
- January 9 - 11, 2022, Wenchang, Hainan, China.



Group photo of the conference representatives

11th China National Space Debris Conference

Sessions:

- measurements,
- protection,
- ADR,
- NEOs,
- large satellites constellation on LEO, etc.
- modelling,
- mitigation,
- Space Traffic Management,
- legal business, etc.

152 participants. **76** presentations. **25** posters,

