CHINA SPACE
CONTRIBUTE TO SPACE 2030

Mr. Yanhua WU
Vice Administrator of CNSA

20th Nov. 2016
Dubai, UAE
Drives the Socio-Economic Sustainable Development
Future Development

Chinese government decided that, April 24th in each year is designated as "China Space Day" from 2016.

China Space System

Achievement in 2016

China Space Policy

1970
24 April, DFH-1 China’s first satellite

1956

1997
DFH-3 China’s second Generation GEO telecommunication & broadcasting spacecraft platform

1984
DFH-2 China’s first GEO telecommunication & broadcasting spacecraft

2003
China’s first manned spaceship

2007
DFH-4, China’s third generation GEO bus: Chinese IOD commercial spacecraft for international customer

2007
China’s first lunar probe

2016
China Space System

Achievement in 2016

China Space Policy

Future Development

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China Space

- Manned Spaceflight
- Deep space Exploration
- Navigation & Positioning
- Earth observation
- Communication & broadcasting
- Space Science and technology experimentation
Achievements in 2016
China space activities

- Successful conducted first launch of LM-7 and LM-5
- New Launch site: Wenchang Launch Site
- 3rd phase of Lunar exploration
- Approved Mars exploration project officially
- High-Resolution Earth Observation System
- Beidou satellite navigation system starts the progress for global coverage
- Dark Matter Particle Detection Satellite, quantum experiment satellite
18\textsuperscript{th} Nov 2016, Nie Haisheng and Chen Dong returned to the Earth safely after completion of their 30-days habitation in Tiangong-2 spacelab.
CHINA CIVIL SPACE INFRASTRUCTURE
Medium and Long Term Development Plan (2015~2025)

National Civil Space Infrastructure

Supporting Facility
- Launch Vehicle
- Launch Site
- TT&C System
- Space Environment Monitoring System

Space System
- Remote Sensing Satellite
- Communication Satellite
- Navigation and Positioning Satellite

Ground System
- Ground Stations Network
- Data Center
- Generic Application Supporting Platform
- Share Network Platform

Application

Supporting Environment
- Policy and Legislation
- Standard and Specification
- Organization and Management
- Operation Mechanism
CHINA SPACE

- Innovative development
- Coordinated development
- Peaceful development
- Open development

SPACE SCIENCE
- SPACE TECHNOLOGY
- SPACE APPLICATION

- Manned space
- Lunar exploration
- Beidou satellite navigation system
- High-resolution earth observation system

- New generation launch vehicles
- Space applications
- Space science research
- Major Projects

2016 ~ 2020
INTERNATIONAL COOPERATION

RAGIONAL COOPERATION:
• One Belt one Road spatial information corridor;
• BRICS constellation of remote sensing satellites
• APSCO small multi-mission satellite constellation
• APSCO the student small satellite

BILATRAL COOPERATION:
• Lunar, Mars exploration and deep space exploration
• Manned Space lab and space station
• Space science missions
• Ground infrastructure
• Satellite applications
• Electronic components
• Education and training

MULTILATRAL COOPERATION:
• UNCOPUS (UNOOSA)
• CHARTER、UNSPIDER
• IADC、CCSDS、ICG、ISECG
• GEO、CGMS
• IAF、IAA、COSPAR

COMMERCIAL COOPERATION:
• Satellites delivery in orbit
• Launch and piggy back service
• TT&C support;
• Ground infrastructure
• Electronic components
• Education and training
Equality and Mutual Benefit
Peaceful Utilization
Common Development
Thank You