



中 国 国 家 航 天 局

CHINA NATIONAL SPACE ADMINISTRATION

# CHINA SPACE CONTRIBUTE TO SPACE 2030

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Vice Administrator of CNSA

20<sup>th</sup> Nov. 2016

Dubai, UAE



UN/UAE High Level Forum

# SPACE

Drives the Socio-Economic Sustainable Development



24 April, DFH-1 China's first satellite

1970



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

1997



中国探月  
CLEP  
China's first lunar probe

2007



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

2016

1956



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



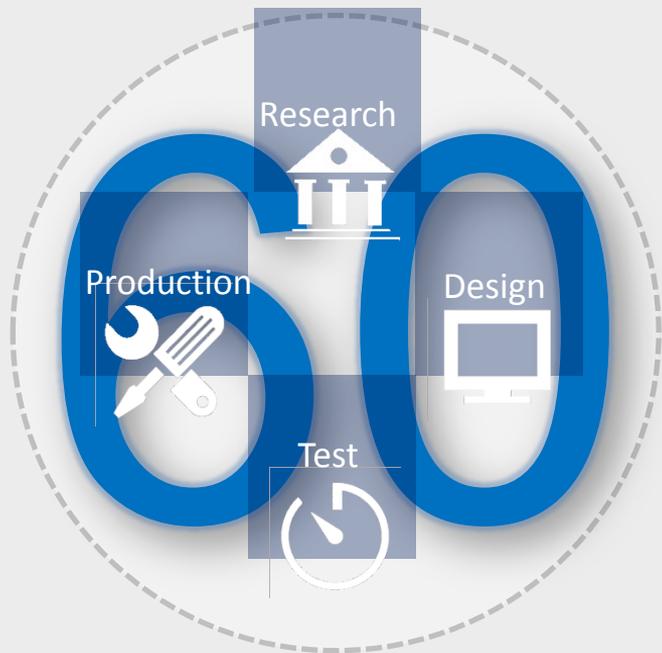
China Space System

Achievement in 2016

China Space Policy

Future Development

...  
China Space



# Achievements in 2016

China space activities

- ✓ Successful conducted first launch of LM-7 and LM-5
- ✓ New Launch site: Wenchang Launch Site
- ✓ 3<sup>rd</sup> 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



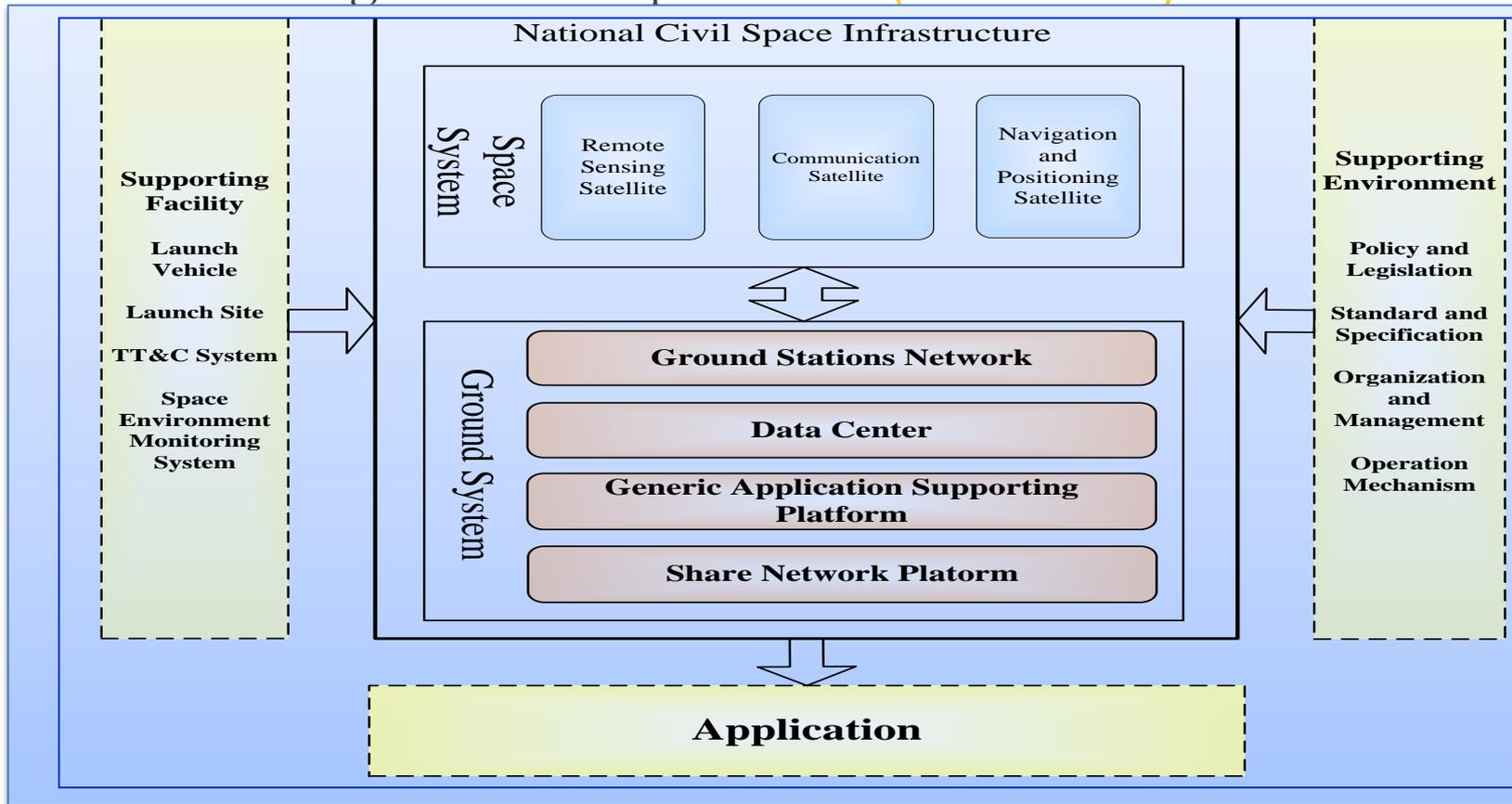


18<sup>th</sup> Nov 2016, Nie Haisheng and Chen Dong returned to the Earth safely after completion of their 30-days habitation in Tiangong-2 spacelab.



# CHINA CIVIL SPACE INFRASTRUCTURE

## Medium and Long Term Development Plan (2015~2025)



2016 ~ 2020

# CHINA SPACE

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

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

- ✓ SPACE SCIENCE
- ✓ SPACE TECHNOLOGY
- ✓ SPACE APPLICATION

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



# INTERNATIONAL COOPERATION

2016 ~ 2020

## REGIONAL 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**

תודה  
Dankie Gracias  
شكراً  
Спасибо Merci Takk  
Köszönjük Terima kasih  
Grazie Dziękujemy Dékojame  
Ďakujeme Vielen Dank Paldies  
Kiitos Täname teid 谢谢  
**Thank You** Tak  
感谢您 Obrigado Teşekkür Ederiz  
Σας ευχαριστούμε 감사합니다  
ขอบคุณ  
Bedankt Děkujeme vám  
ありがとうございます  
Tack

