Space Policy & Activities

Republic of KOREA

Nov. 8, 2018

Ministry of Science and ICT
Space Governance

National Space Council (chaired by MSIT Minister)

The supreme decision-making body

Ministry of National Defense

Ministry of Oceans & Fisheries

MSIT (Major funding agency) (Policy & program)

Ministry of Foreign Affairs

Ministry of Land, Infrastructure and Transport

Government Research Institutes

KARI (Satellite & Launch Vehicle)

KASI (Space Science & Space Risk monitoring)

KIGAM (Geosciences & Mineral resources)

ETRI (Space internet communication)

Implementation and R&D

Space Industries

Academy
Space Development Basic Plan

1. 1st Space Development Promotion Basic Plan
   - Development of LEO satellite and launch vehicle (~2010)
   - Development of KSLV-II

2. 2nd Space Development Mid to Long Term Plan
   - Double increase of space basic research

3. 3rd Space Development Promotion Basic Plan
   - Vision up to 2040
   - Lunar exploration

Timeline:
- 1996.4
- 2007.6
- 2011.12
- 2013.11
- 2018.2

Korea positioning system
New industries and job creation
Space Launch Vehicle

**KSR-I**
- Single-stage Solid Rocket
- 1990 - 1993 tested twice in 1993

**KSR-II**
- Two-stage Solid Rocket
- 1993 - 1998
- Launched in 1997 and 1998

**KSR-II**
- Two-stage Liquid Rocket
- 1997-2000
- Launched in 2002

**KSLV-I (Naro)**
- 100 kg to LEO
- 2002 - 2013

**KSLV-II (Nuri)**
- 1.5 ton to LEO
- 2010 – 2022
- To be tested launched in 2021

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**Sounding Rocket Program**

**SLV Program**
Development of 550kg class KPLO based on international cooperation with NASA, to secure technologies of space exploration

Secure & verify core technologies for planet exploration, by using KSLV

Development of asteroid sample return spacecraft to verify planet exploration technologies including docking, re-entry to the Earth, etc.

Lunar Orbiter ~2020
Lunar Lander ~2030
Asteroid Sample Return Spacecraft ~2035
Space Industry

**AS-IS**
- Provider-oriented Space development
- Government/Public-led
- Catch-up R&D

**TO-BE**
- User-oriented Industrial Promotion
- Industry/Civil-led
- Strategic Positioning in Blue Ocean

**Space Industry as Innovative Growth Momentum**
- Building space development system focused on the utilization
- Improving industrial competitiveness with innovation program

- Private leads
- Technology-driven
- New Space
- Capacity Building
International Cooperation

Space Symposium 2018

UNISPACE+50

IAC 2018

2nd France-Korea Space Forum

KARI International Space Training 2018
Thank you