Japanese Perspective on Space Sustainability

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JAXA’s perspective

- **Responsibility as spacefaring nation**
  - Behave properly
    - JAXA put strong self regulation on its own space crafts

- **Weak sense of urgency**
  - Risk of space debris is not high
  - But the increasing possibility of debris collision changed the awareness

- **Strong interest in new technology**
  - Debris removal technology is becoming a major R&D subject

- **Lack of investment in SSA**
  - Radar and optical facilities for NEO but not enough capability
Changes of Awareness

- US pressure through 2+2 framework
  - 2+2: MOFA-MOD + DOS-DOD
  - SSA as the first priority for Japan-US cooperation

- MOFA establish Office on space
  - Mainly dealing with Space Security issues

- JAXA holding workshop on SSA
  - Possibility to increase budget for refurbishing radar site at Kamisaigahara

- MOD still not showing interest in space
  - Priority on North Korean missile and nuclear issue
    - Priority in space is early warning satellite and missile defense
  - Space security is not attracting attention
    - No satellite, No immediate concern for operation
New Policy, New Attitude

- Basic Space Law transformed Japanese policy
  - From R&D to utilization of space
  - Operational programs will be the center of space activities
  - Space security risks will be the major concerns

- Private actors will be more risk-sensitive
  - Increasing role of private actors through PFI and PPP would demand more role for government to play responsibly

- Space and diplomacy
  - Space security cannot be achieved without global governance system
  - MOFA is increasingly interested in taking initiatives in space
  - Strong political support for MOFA to play leading role in space in leadership competition against China