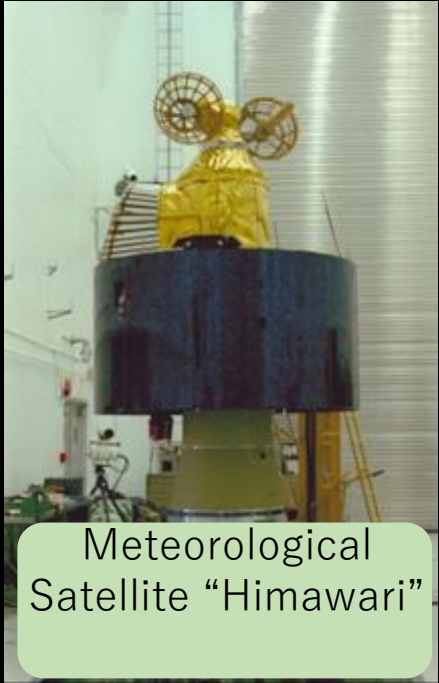




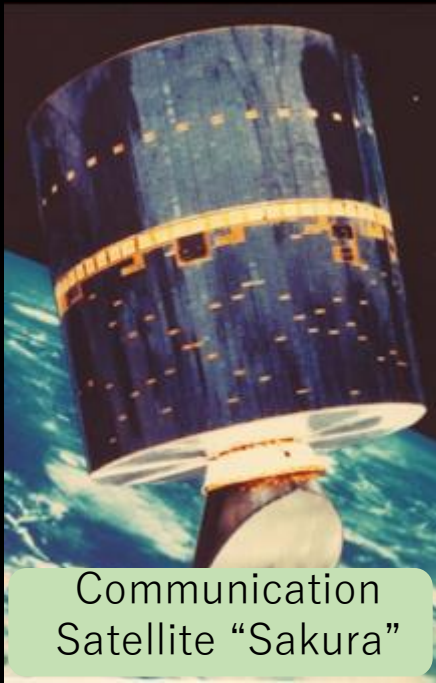
Japan's  
Commercial  
Space  
Industry

YAMAKAWA Hiroshi  
JAXA President

# History: Satellite



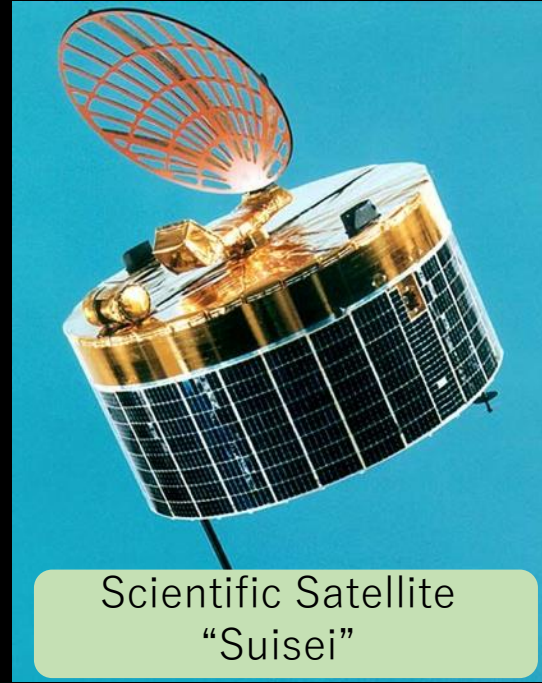
Meteorological Satellite "Himawari"



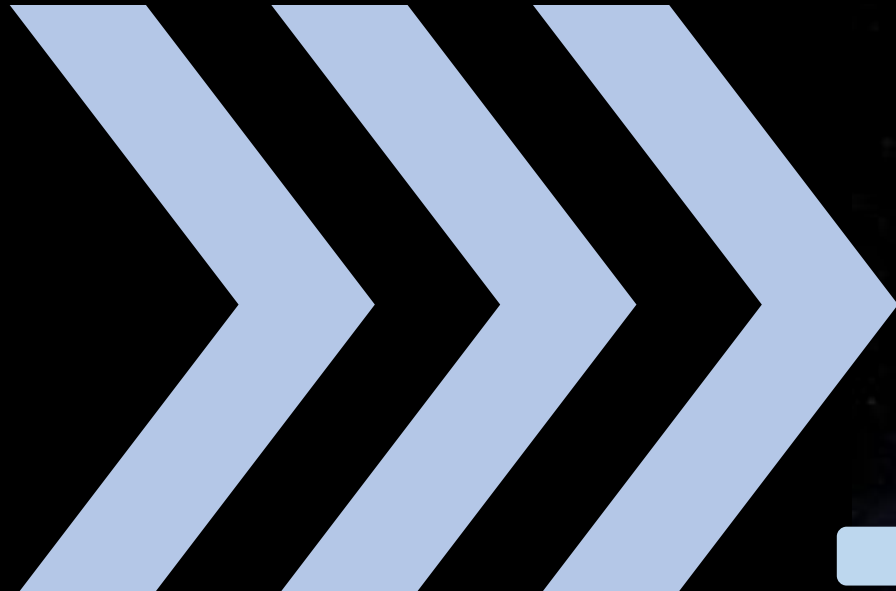
Communication Satellite "Sakura"



Broadcasting Satellite "Yuri"



Scientific Satellite "Suisei"

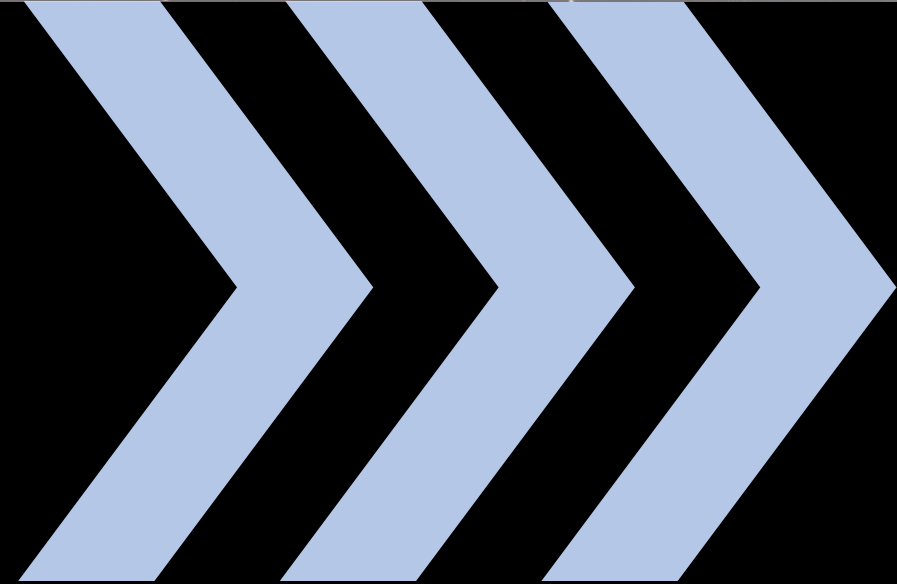
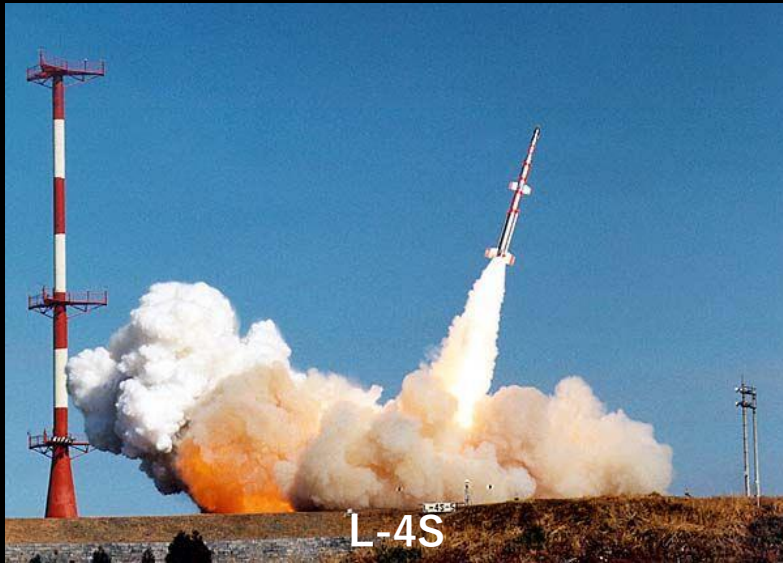


Asteroid Explorer "Hayabusa2"



Advanced Land Observing Satellite-2 (ALOS-2) "Daichi-2"

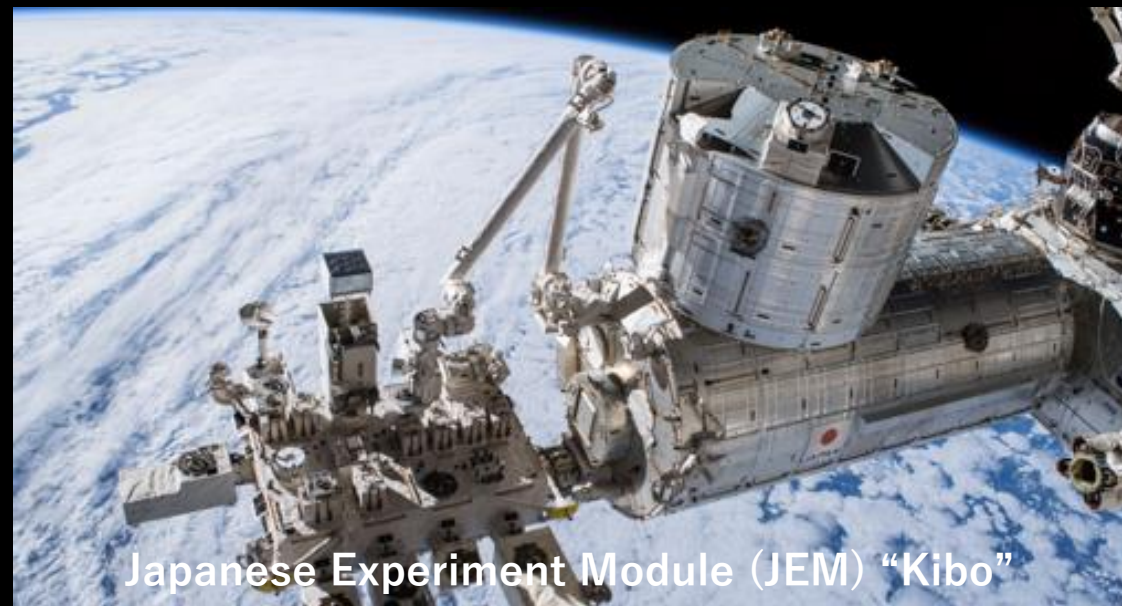
# History: Launch Vehicle



# History: Human Spaceflight



International Space Station (ISS)



Japanese Experiment Module (JEM) "Kibo"



H-II Transfer Vehicle (HTV) "KOUNOTORI"



Crew-1 Mission

WALKER

GLOVER

HOPKINS

NOGUCHI

# JAXA Space Innovation through Partnership (J-SPARC)



R&D Program that aims to produce new space related business

Private Companies



Concept Planning

Joint Demonstration

Commercialization

Obtain Cutting Edge Tech

New Space Related Business  
(business execution by private companies)

Technological Innovation

## Launch System

SPACEONE



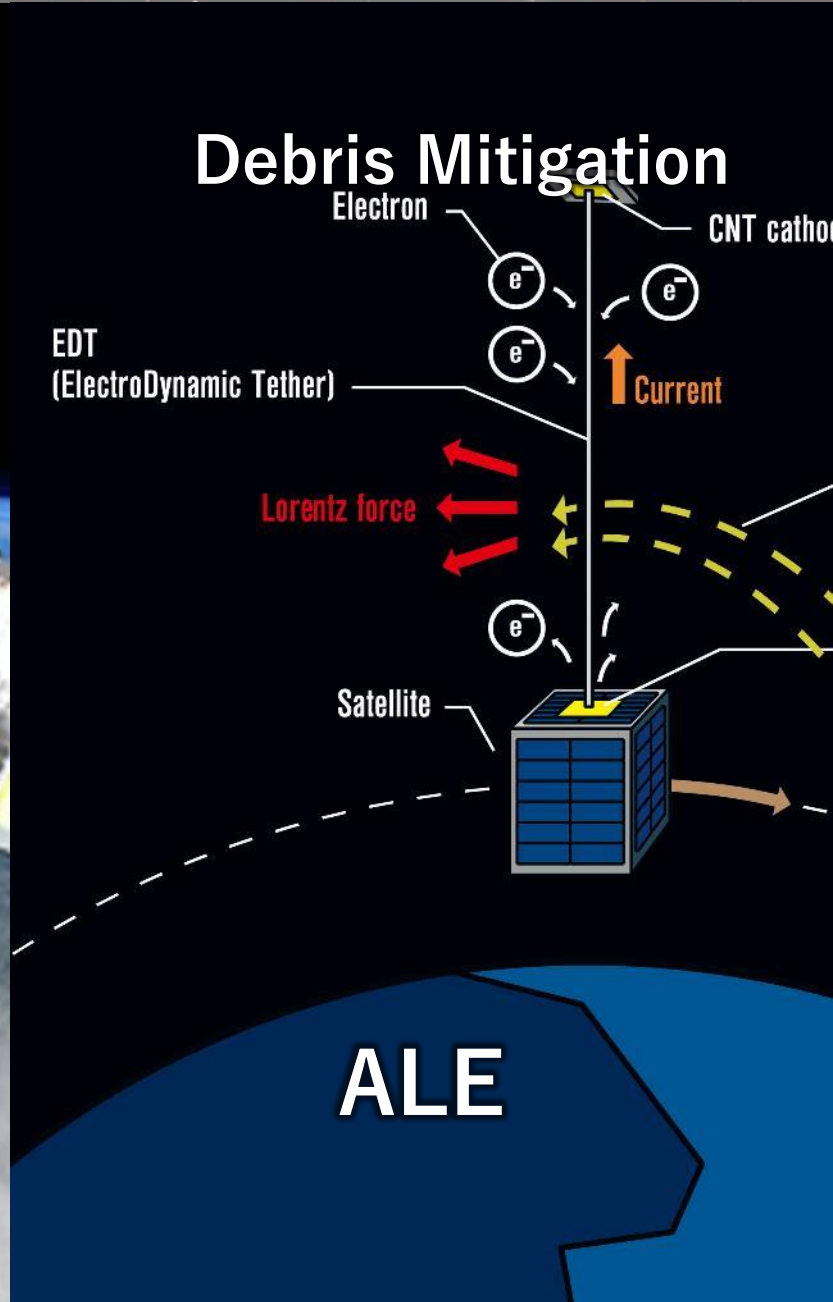
## SAR Satellite

SYNSPECTIVE

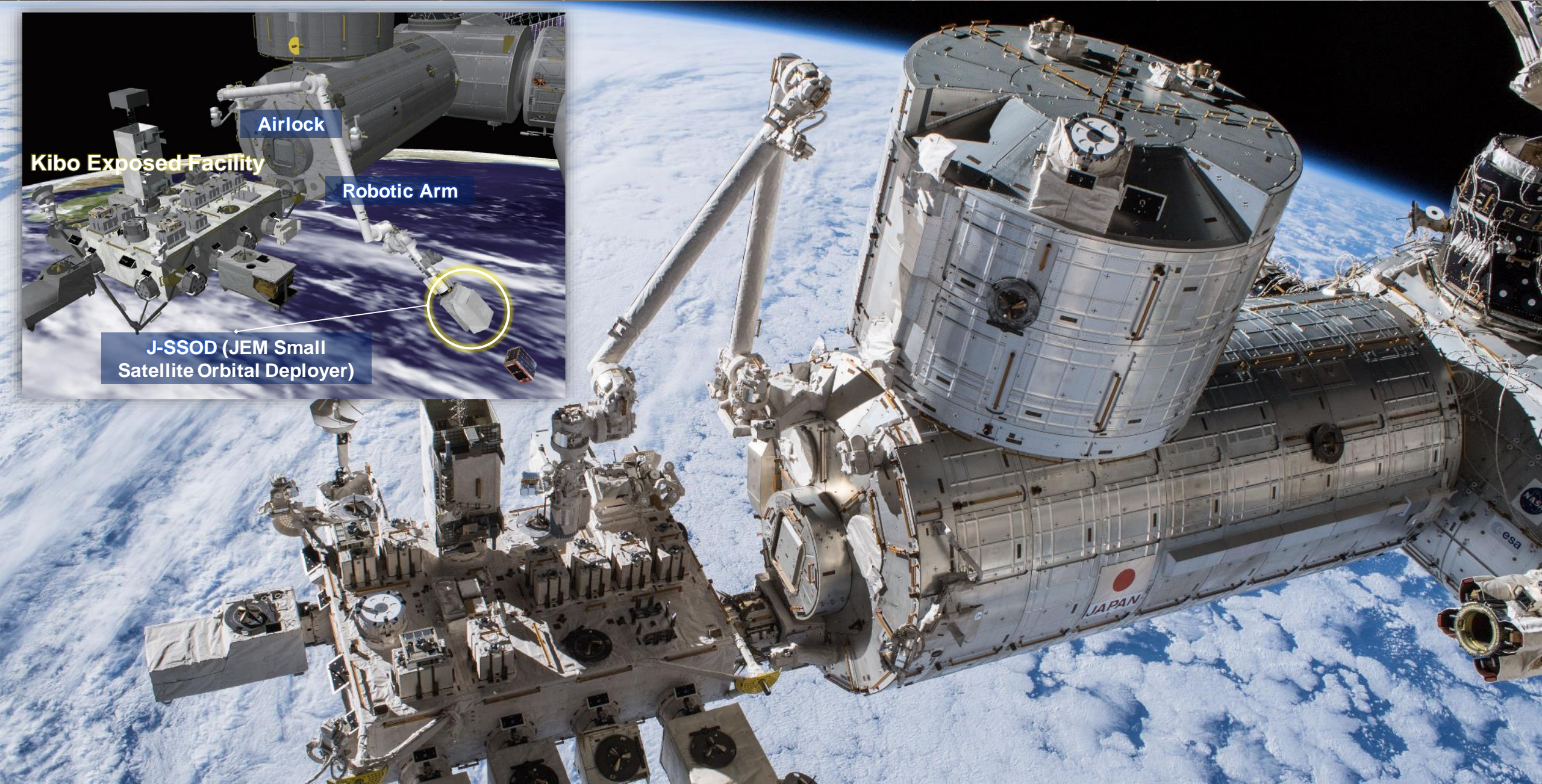
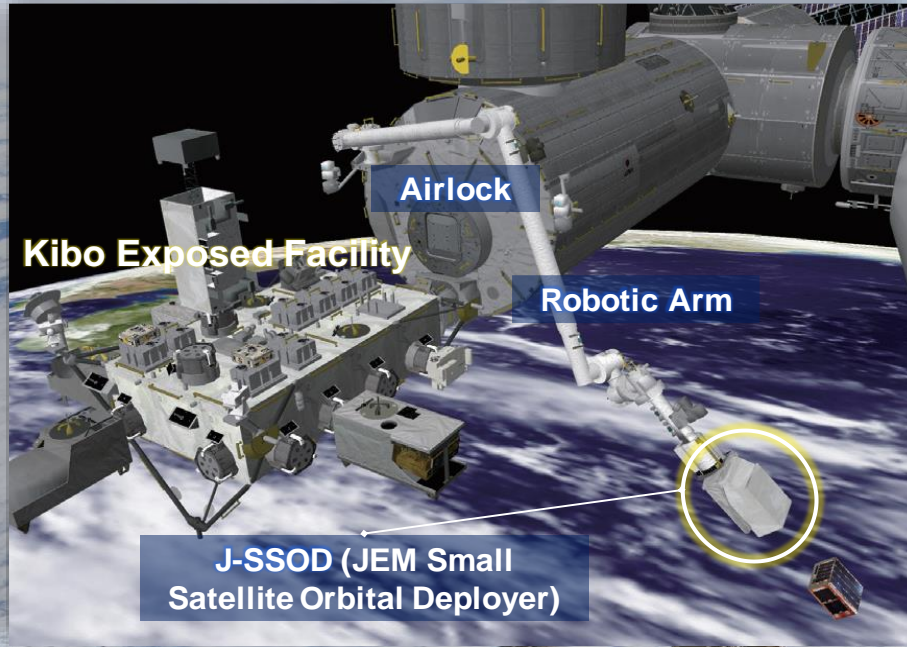


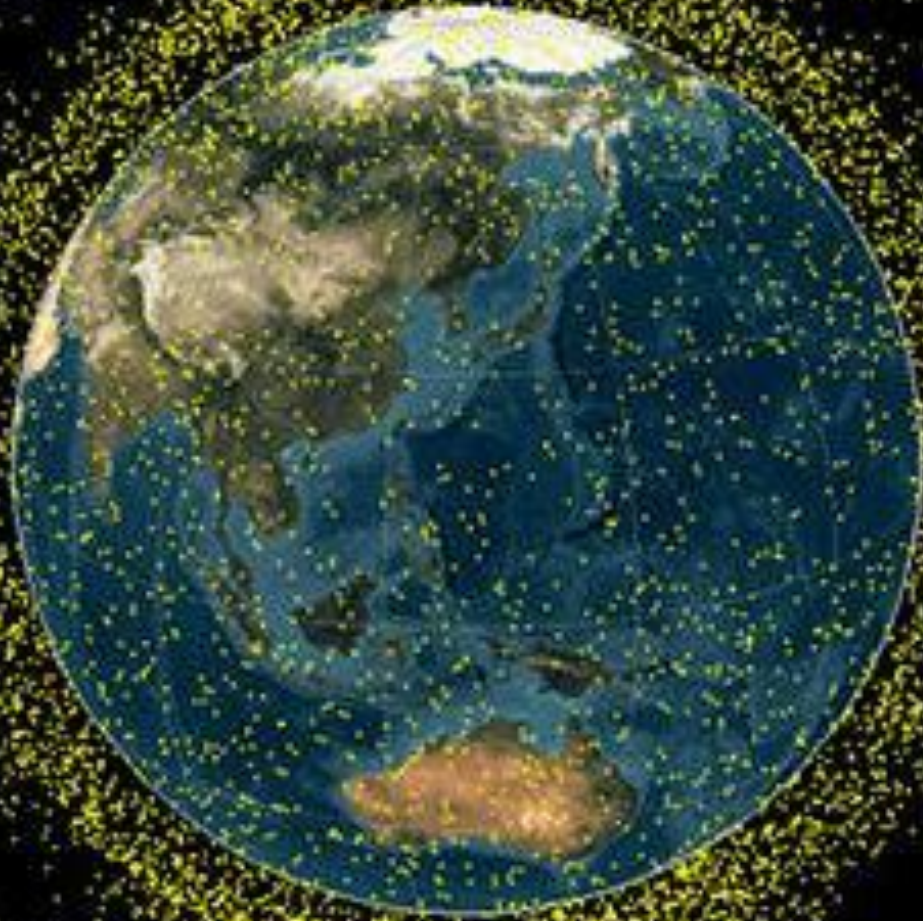
## Debris Mitigation

ALE



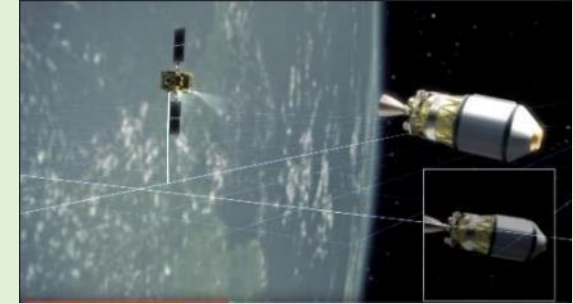
# International Space Station





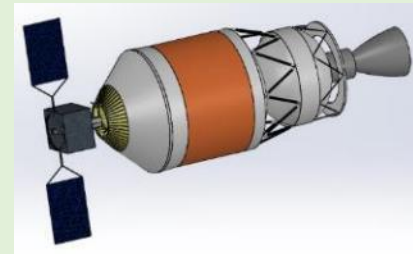
## Commercial Removal of Debris Demonstration (CRD2)

**Phase-I**  
Key technologies demonstration



Rendezvous

**Phase-II**  
ADR demonstration



Removal and re-entry



# Lunar Surface Exploration

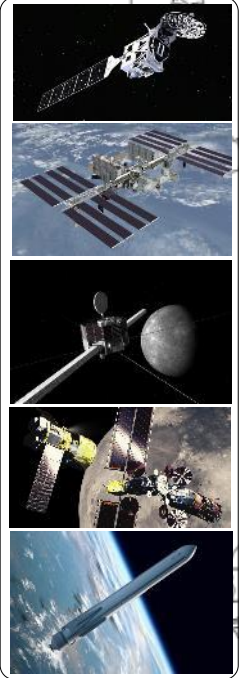


# International Relations



JAXA is cooperating with more than 60 countries/regions.

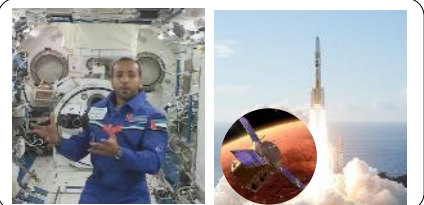
Europe



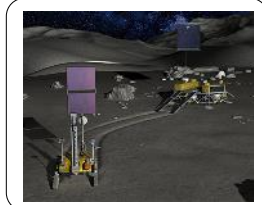
The U.S.



UAE



India



Australia





Thank you for your attention.