

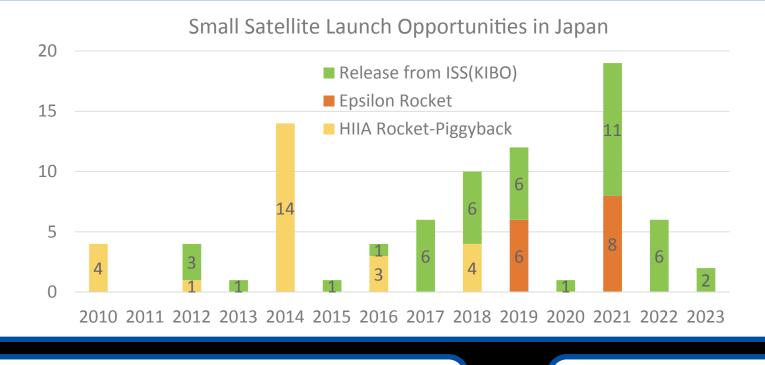
# JAXA-SMASH Program

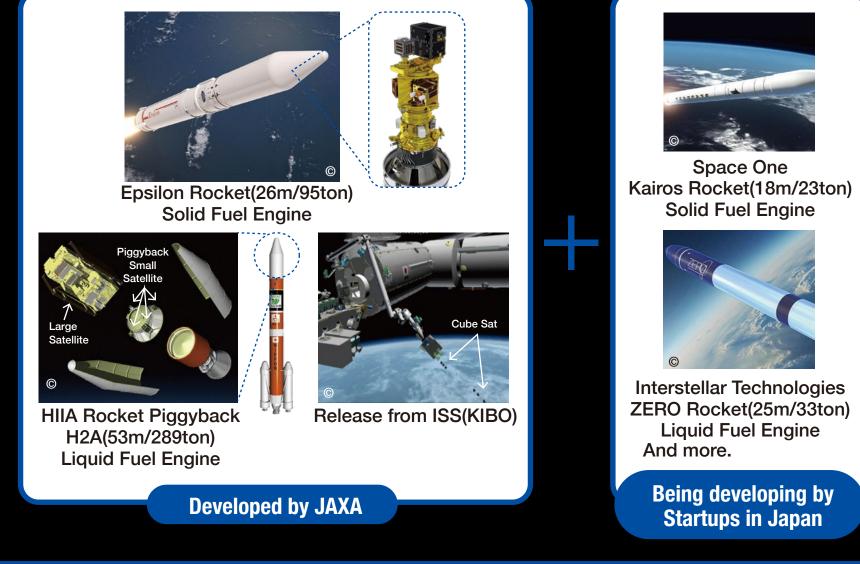
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#### **1. Background**

- In recent years, there has been a growing trend in Japan to realize mission ideas using small satellites.
- Also in Japan, rocket development by private companies is progressing, and one of them plans to launch the first unit in 2023.

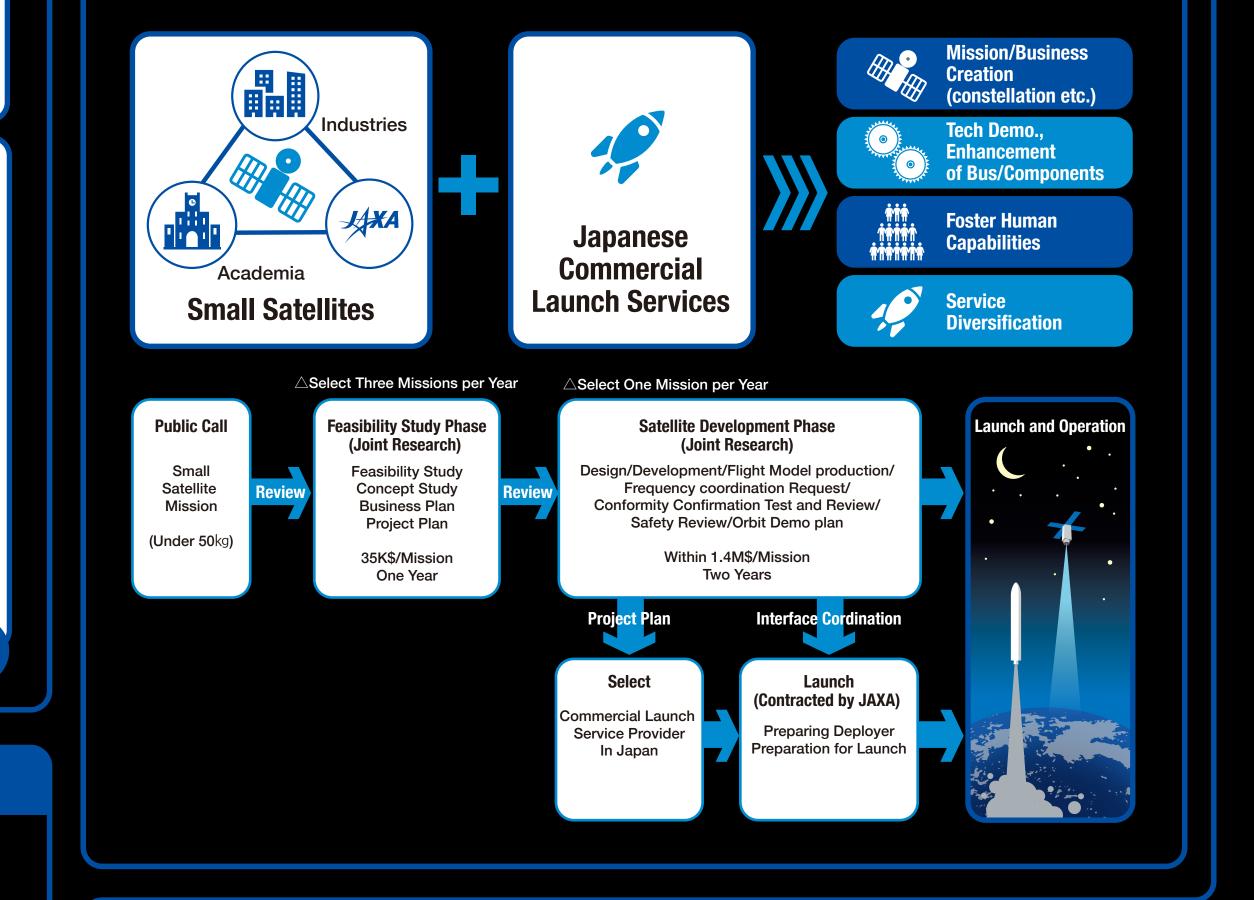




# **JAXA's New Co-Creation Program for Small Satellite Missions**

### 4. Program Overview

- JAXA-SMASH (JAXA-Small Satellite Rush) Program is a research and development program that encourages universities, private companies and JAXA to collaborate to realize small satellite missions utilizing commercial small launch opportunities, and to diversify transportation services in Japan.
- About 3 missions selected by JAXA's small satellite mission public offering can study the feasibility for a year with JAXA. One of the missions selected in the phase transition review can start the satellite development phase.
- This satellite, which was developed in two years, will be launched by a small private Japanese rocket selected by JAXA



## **5. Activities**

Have communications with Academia and Industries
 SSU\* Symposium 2022 : 34 presenters, 410 participants(Include Online)
 SSU Symposium 2023 : 34 presenters, 420 participants(Include Online)
 SSU\* : Small Satellite Utilization



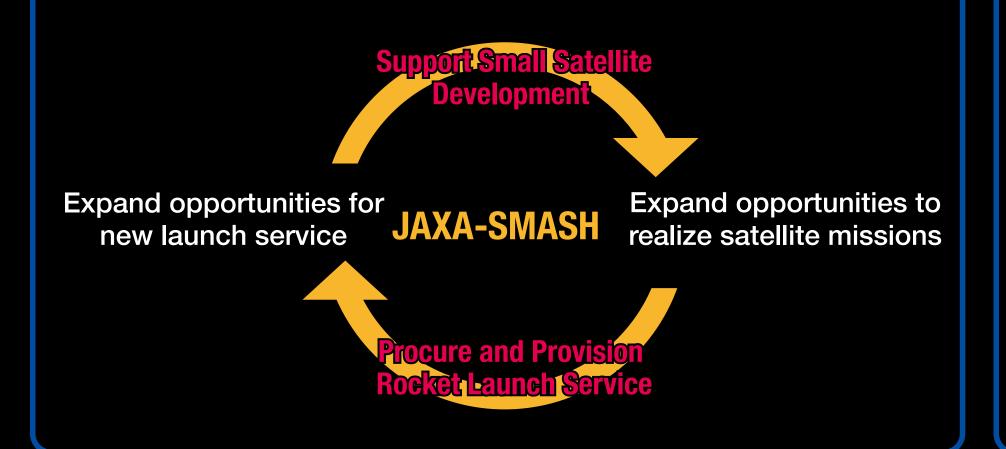
Support Small Satellite Development

2022 : 1st Call for Small Satellite Mission Proposal We started a Satellite development with Kyushu Institute of Technology and started three Feasibility Studies with University of Tokyo and STARs Space Service Co. Ltd and Aoyama Gakuin University.

**VERTECS** Visible Extragalactic background RadiaTion Exploration by CubeSat

# 2. Goal

- Expansion of opportunities to realize small satellite missions.
- Expansion of launch opportunities for new private space transportation service providers.



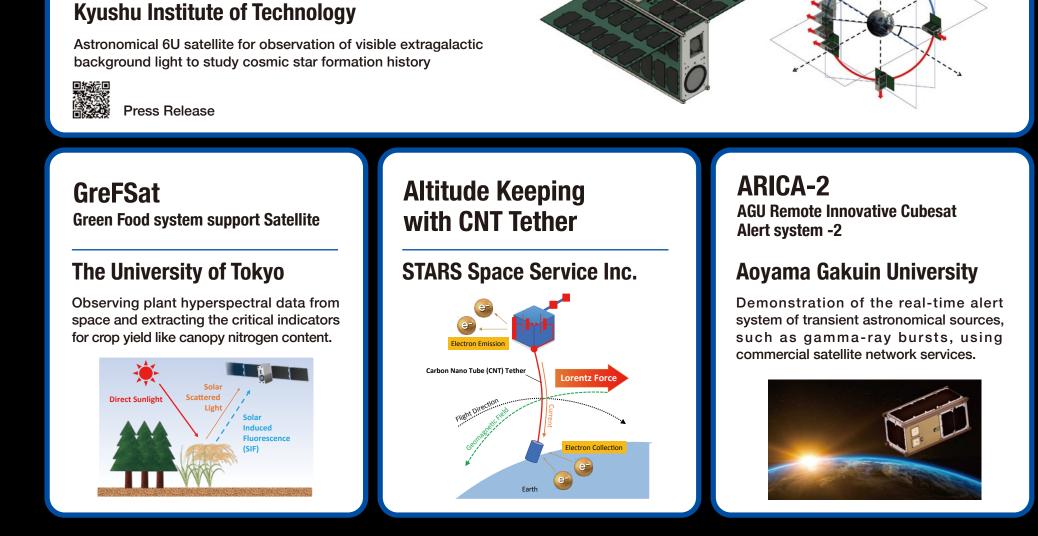
# Procure and Provision Rocket Launch Service

#### <Two Steps Contract Scheme>

(1) RFI#1 : Research launch services that can be provided or planed in Japan. (Completed by June 2023)

(2) RFI#2 : Hearing opinions from launch service providers regarding the basic agreement and the individual contracts we prepared. (Now on going)
(3) Basic Agreement : Select multiple companies for the basic agreement through public offering and conclude the basic agreement. (End of 2023)
(4) Individual Contract : Select a launch service provider for each launch from contractors of the basic agreement and conclude the individual contract.





2023 : 2nd Call for Small Satellite Mission Proposal We received Feasibility Study Proposals from Universities and Companies and are judging to select three by September 2023.

### **3. Schedule (TBD)**

Calendar	FY2022	FY2023	FY2024	FY2025
	Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul	Aug Sep Oct Nov Dec Jan Feb Mar	Apr May Jun Jul Aug Sep Oct Nov Dec	Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb M
Have communications with Academia and Industries	2023/2/21 ▼ 2023 Small Satellite Utilization Symposium		$\bigtriangledown$	
Support Small Satellite Development (Call for Proposal of Small Satellite Mission)	Ist selection (Three FS and One Dev. Proposal were selected) Feasibility Selection		asibility Study ion Review( Select one mission from three Feas Satellite	ion Review( Select one mission from three Feasibility Studies) Satellite Development ibility Studies) Development
Procure and Provision Rocket Launch Service	RFI#1 Request		Multiple Launch Services lect a Launch Services for 1st Launch Launch Preparation ▽ 1st Laur ▽Select a Launch Services for 2	