

UN-Space

UNOOSA and space-based solutions in the UN System

Luc St-Pierre
Space Applications Section
UN Office for Outer Space Affairs

Access to Space for All



Research Institutes

Space Agencies

Private Sector

ZARM



- Micro/hypergravity simulation
- Access to Orbit
- Access to space stations
- Open space data
- Education

JAXA



CMSA



CNSA



ESA



SNC



Airbus



Avio

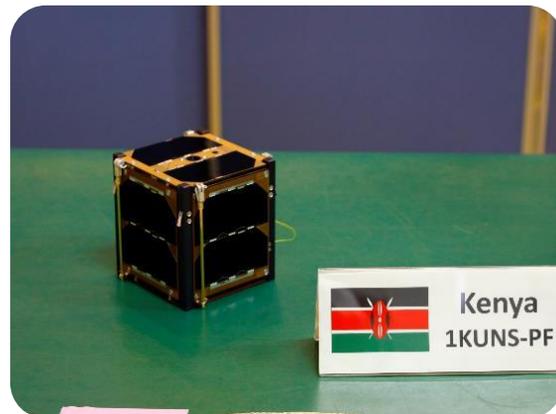




Japan Aerospace Exploration Agency (JAXA) – KiboCUBE

UNOOSA and JAXA provide access to space to developing countries. One free deployment per year of a 1U Cubesat from the Japanese ISS Kibo module

- *First launch:* University of Nairobi, Kenya (May 2018)
- *Forthcoming:* The Universidad del Valle de Guatemala, Mauritius Research Council, Surya University of Indonesia
- 5th round's application review
- **6th and 7th rounds confirmed with JAXA**
- **Exploring collaboration with UNICEF to support implementation**



Credit: JAXA



Credit: JAXA/NASA



Global Geospatial Information Management (UN-GGIM) United Nations Geospatial Network



UN-GGIM

WORK PACKAGE "COMMON TOOLS, FRAMEWORKS, INFRASTRUCTURE & GOVERNANCE"	FAO
21 Consolidate relevant outcomes of the UNGIWG	<i>Main contributors:</i> OICT-GIS
23 Consider and recommend a governance model on geospatial information management	FAO, WFP, ECLAC
24 Maintain a directory of updated geospatial tools, platforms and instruments	FAO, ITU, UN-Habitat, WFP
26 Support the consolidation and sustainability of institutional capabilities, resources and recognition of the expertise on geospatial information management	
27 Identification of available services and infrastructure hosting or to host geospatial data, services, licenses or products	FAO, ITU
28 Preparation a report on A Strategy towards sustainable geospatial information management on data governance	FAO, WFP
WORK PACKAGE "PARTNERSHIPS & COLLABORATION"	UNEP
25 Establish appropriate coordination mechanisms with relevant Working Groups, Expert Groups and Networks of UN-GGIM	
30 Establish thematic focal points in the United Nations System, based on current activities and mandates, to attend or participate to specific working groups of UN-GGIM	UNITAR-UNOSAT
32 Maintain a directory of permanently updated events, conferences, workshops and related activities	WFP
33 Organize regularly on-line training and webinars, through partnership with other Organizations	WFP
36 List of capacity development capabilities to facilitate capacity development activities	WFP, ECA, UNITAR-UNOSAT
37 Establish coordination mechanisms with those entities (in earth observation and satellite imagery networks)	FAO, UNITAR-UNOSAT
38 Establish coordination mechanisms with those entities (UN-GGIM thematic groups and networks)	
39 Outreach, presentation and fund-raising activities including with Permanent Missions to the United Nations	




The International Charter Space and Major Disasters

- Ocean wave in Indonesia, 23 December 2018 (Call ID 594)
- Cyclone Idai in Zimbabwe (for UNDP), 16 March 2019 (Call ID 599)
- Floods in Iran, 31 March 2019 (Call ID 601)
- Floods in South Africa, 25 April 2019 (Call ID 605)





Other collaborations within the UN System

- **UNDP**, UN Development Programme:
Cooperation in the use of space-based technologies; in activating emergency mechanisms; in accessing satellite imagery
- **UNGSC**, UN Global Service Centre, Brindisi, Italy
Exploring opportunities for the provision of, and joint training on the use of satellite imagery for planning of emergency response
- **UNODC**, UN Office on Drugs and Crime
Exploring opportunities in mapping from very high resolution satellite imagery