

International coordination and collaboration as an essential element of the Earth Observation Service Continuity

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symposium 2022

TAKING THE PULSE OF OUR PLANET FROM SPACE



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#SatellitesForEarth

#SatellitesPourLaTerre





EOSC Overview – End to End Approach

- 2 International Collaboration Pillar
 - 2.1 Methodology the approach
 - 2.2 What we have learned thus far
 - 2.3 Next steps

Content







International Partnerships What we have learned so far



	Partner Capabilities	GoC Potential Offer to Partners	Viable collaboration opportunities	
			Type of Data Exchange	Theme/Application of Interest to GoC
DLR	Access to X band imagery (HRWS)	 Future C band imagery Access to GC ground stations 	Data Exchange Agreement via Commercial Buy from Industry OR Gov-to-Gov data exchange agreement. ** Pending results of DLR RFP process to award.**	 Forest monitoring Infrastructure Targeted high resolution acquisitions (to address conflicts)
©NAE •	Access to L Band Imagery (SAOCOM)	 Future C band imagery Access to GC ground stations 	Ad-hoc for Emergency Use	 Flood mapping Glaciology seismic active region Infrastructure Ecosystem monitoring Biomass Ice monitoring, river ice, great lake ice
ESA Cesa European Space Agency	Access to C and L band imagery (Sentinel NG + Rose L)	 Future C band imagery Access to GC ground stations 	Systematic Coverage (complementary/coordinated acquisition plans)	 Monitoring Global Geo-hazard and Disaster Land cover, land cover change, agriculture and Forest Marine Environment Monitoring and Hydrology Maritime Safety and Security Sea and Land Ice Monitoring
	Access to L band imagery (ALOS)	 Future C band imagery Access to GC ground stations 	Systematic Coverage (applications)	 Maritime Security Ice Oil Spill Winds over the ocean Forest Ecosystem/Coastline Soil Moisture Disaster – Infrastructure integrity, monitoring seismic active areas, active wildfire, Flood



Next Steps

- Explore areas of mutually beneficial themes/applications of collaboration (June 2022)
- Determine volume, specifications, terms and conditions (ex.: scenes/yr, ordering) (June 2022)
- Extend success of productive collaboration with ESA and JAXA based on current capabilities (RCM/S1, RCM/ALOS-2) to pilot collaboration with DLR and CONAE
- Explore opportunities for collaboration with NASA (NISAR)
- Explore other opportunities through active participation in the International Coordination Of Space Borne SAR Missions Workshop

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