

Three Years in Orbit: Statistics from the Ground Segment of the EnMAP Mission

Spatial Distribution of Datatakes

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Overview

EnMAP has now been in orbit for just over three years delivering data products of a quality exceeding the expectations. There were challenges in the context of acquisition planning and data processing, especially serving the high demand over regions with many acquisition requests.

The statistics presented here show the benefit of the mission from the introduction of background and foreground mission as well as the incorporation of Inuvik as an additional ground station and the implementation of back-to-back imaging.

The analysis of these numbers allows to derive recommendations for data acquisition, processing and distribution striving at an even better utilization of the mission.

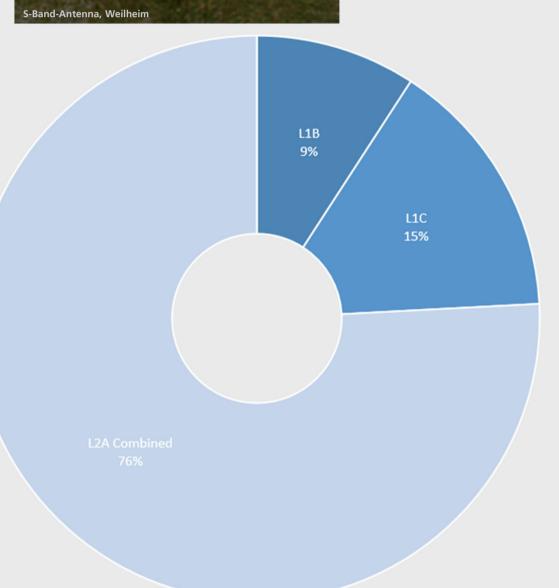
Processing Levels from Acquisition Orders



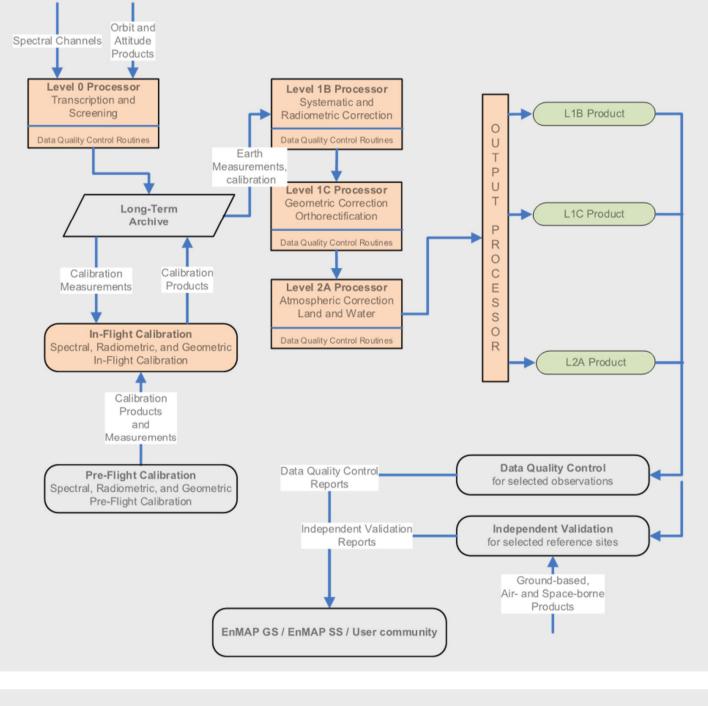


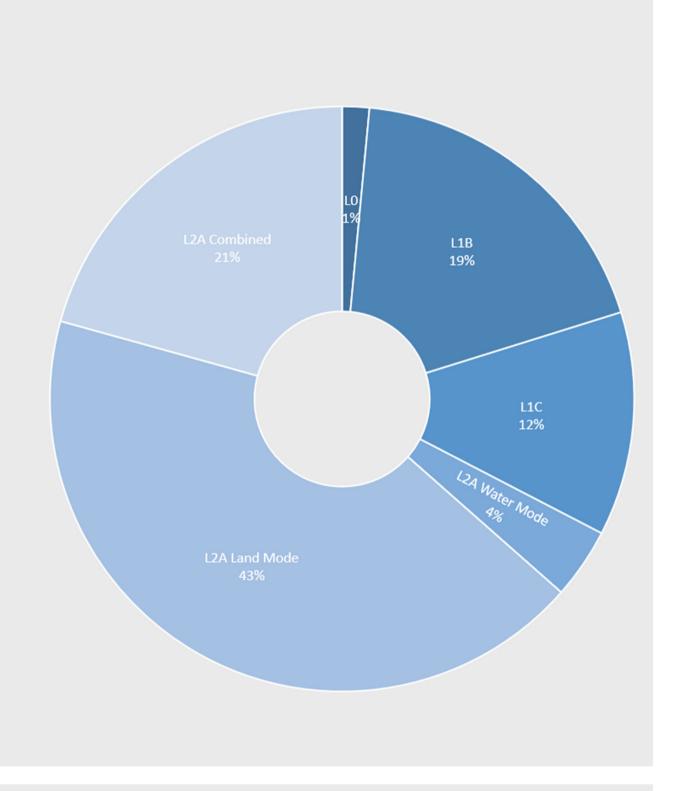






Processing Levels of Catalog Orders

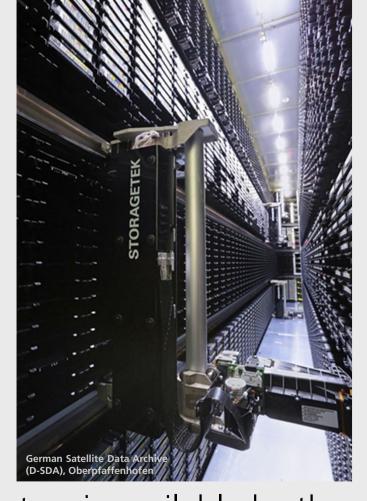




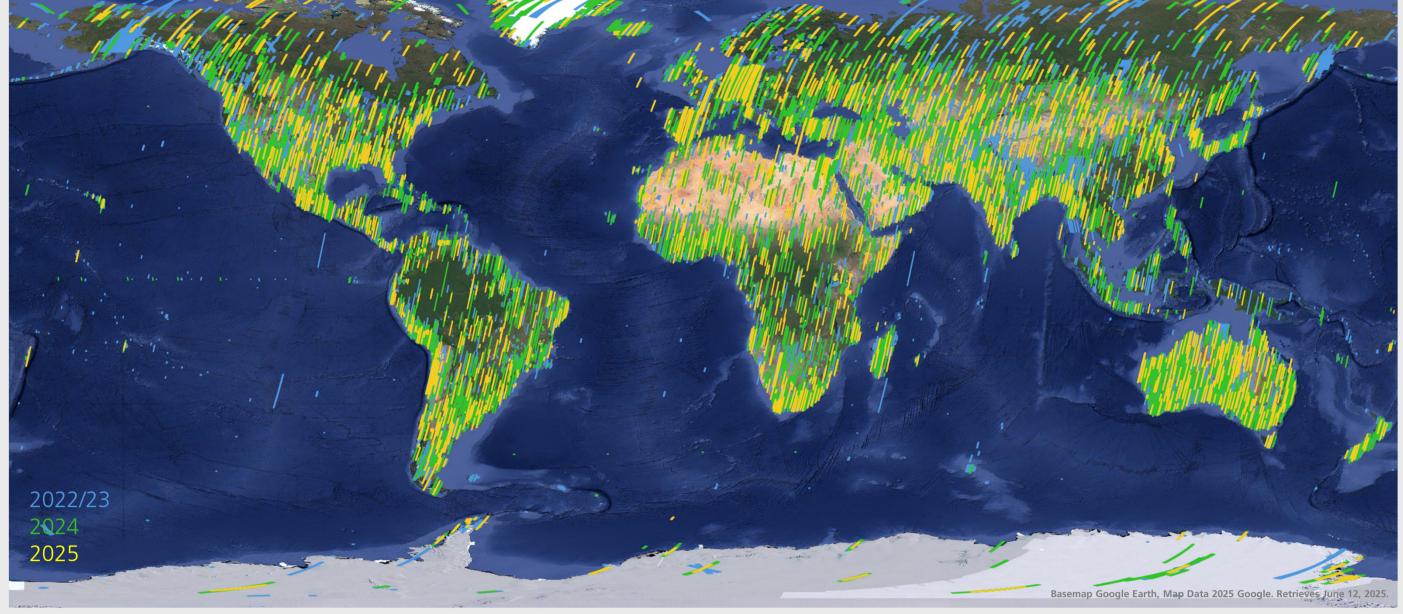
Data Archived and Delivered

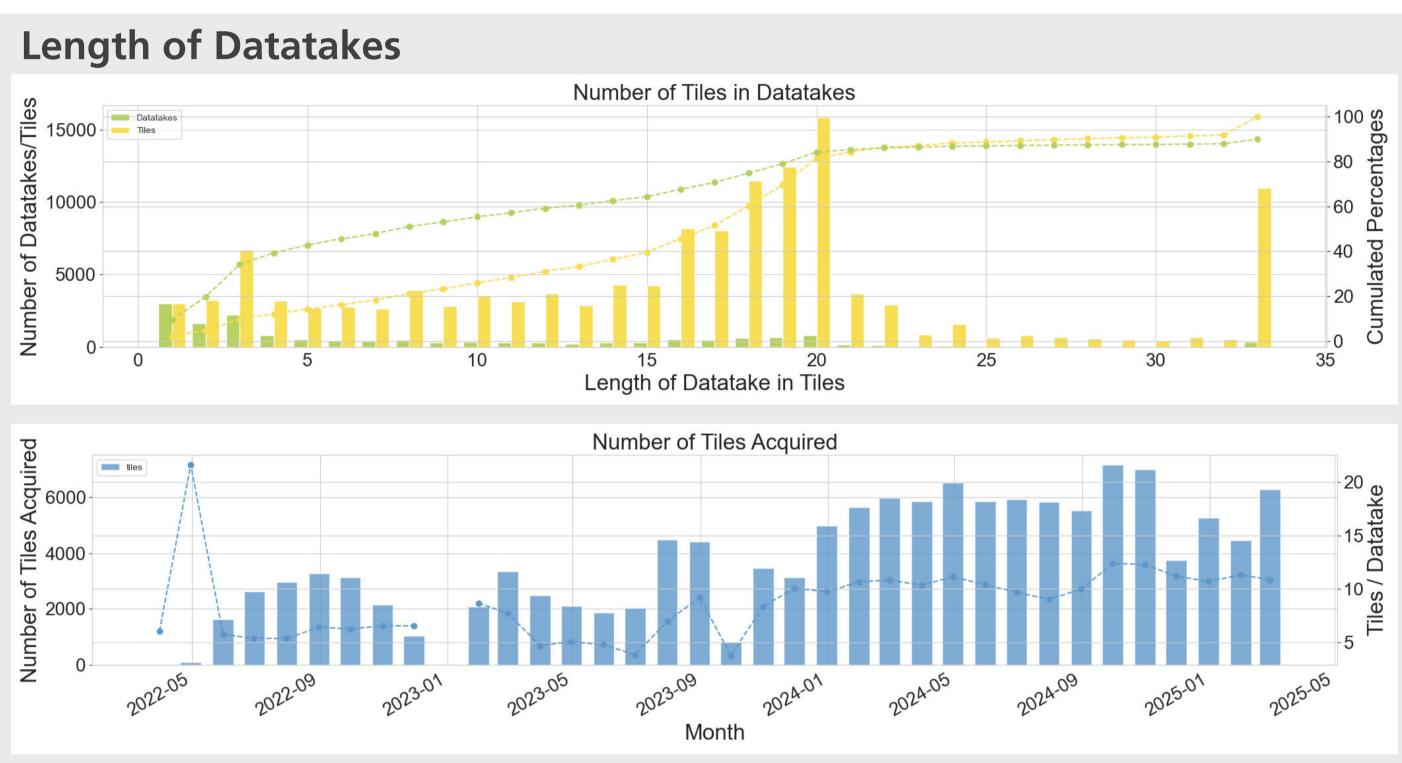
135882 tiles have been processed and archived to LO available in the German Satellite Data Archive (D-SDA).

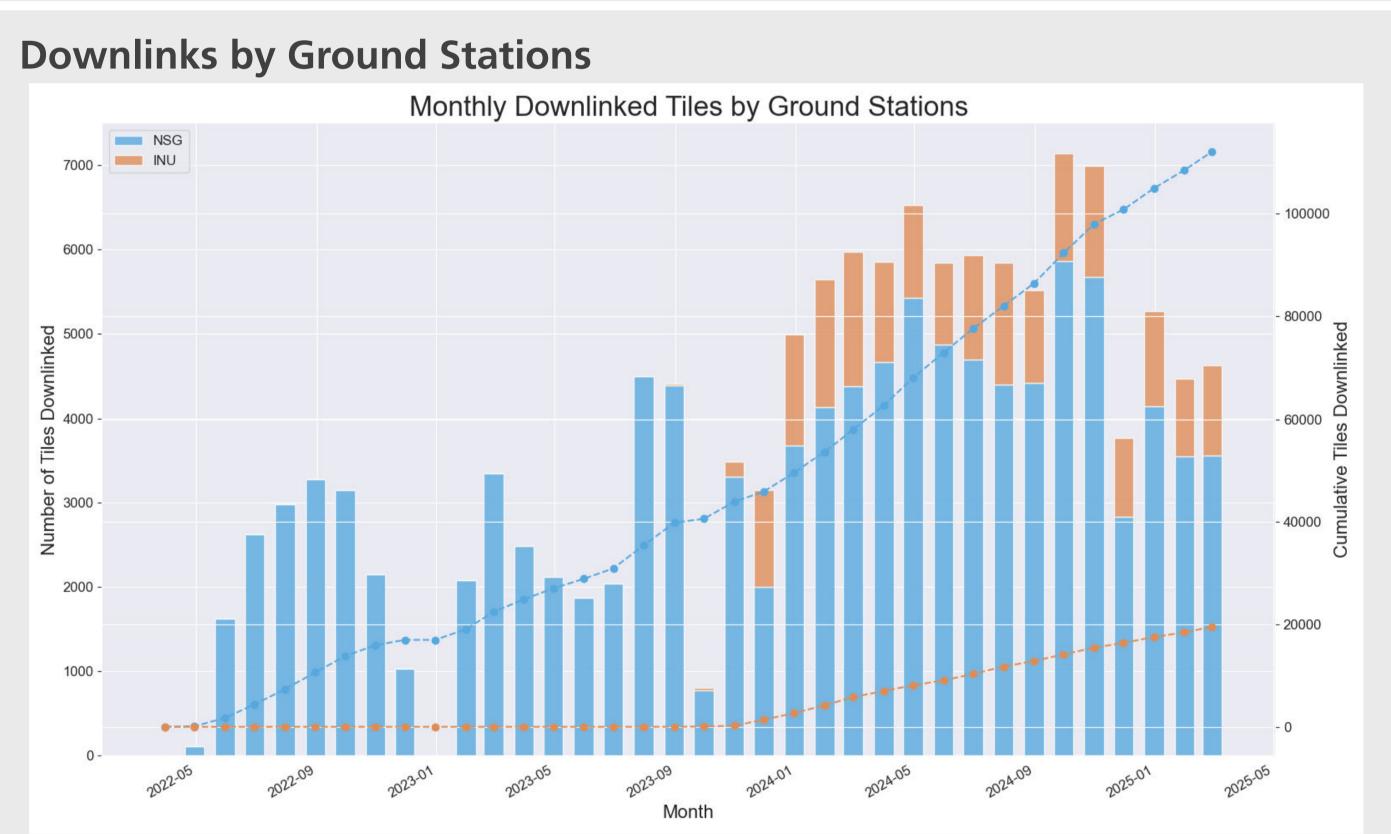
Acquisition Type	Archived		#Tiles / #Datatakes	Size (in GB)
Earth Observation	Total		173503 / 15540	84642.45
	Average / Day		158.30 / 14.17	77.13
Calibration	Total		413	1724.57
	Average / Day		0.37	1.57
Acquisition Type	Delivery Type	Archived	#Tiles / #Datatakes	Size (in GB)
Earth Observation	Acquisition Order	Total	135882 / 12432	60235.89
		Average / Day	123.97 / 11.34	54.95
	Catalog Order	Total	114156	42894.75
		Average / Day	104.15	611.13
Calibration	Acquisition Order	Total	244	1042.06
		Average / Day	0.22	0.95
	Catalog Order	Total	67	3486.14
		Average / Day	0.06	3.18

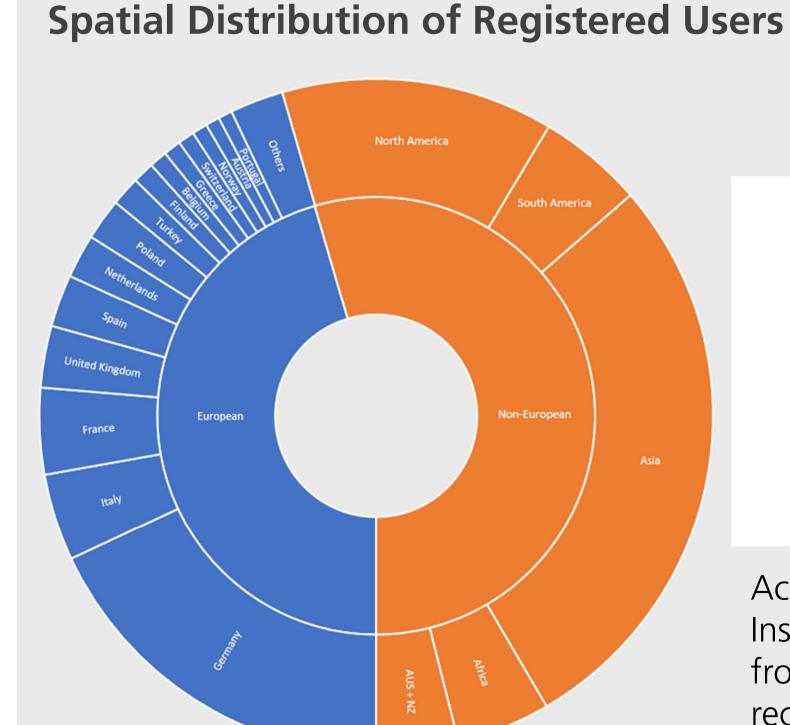


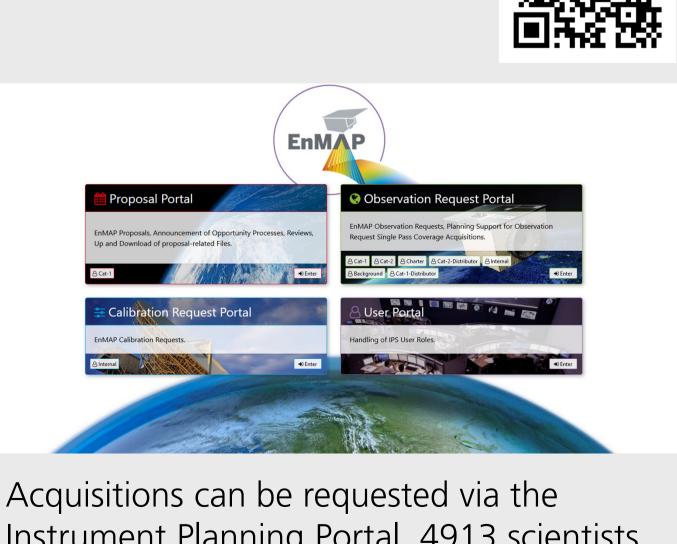
L2A Application Ready Data processed with default processing parameters is available by the EOC GeoService and EOLab. Almost one million of products have been downloaded by now.











Instrument Planning Portal. 4913 scientists from all-over the world have registered for receiving EnMAP data.









