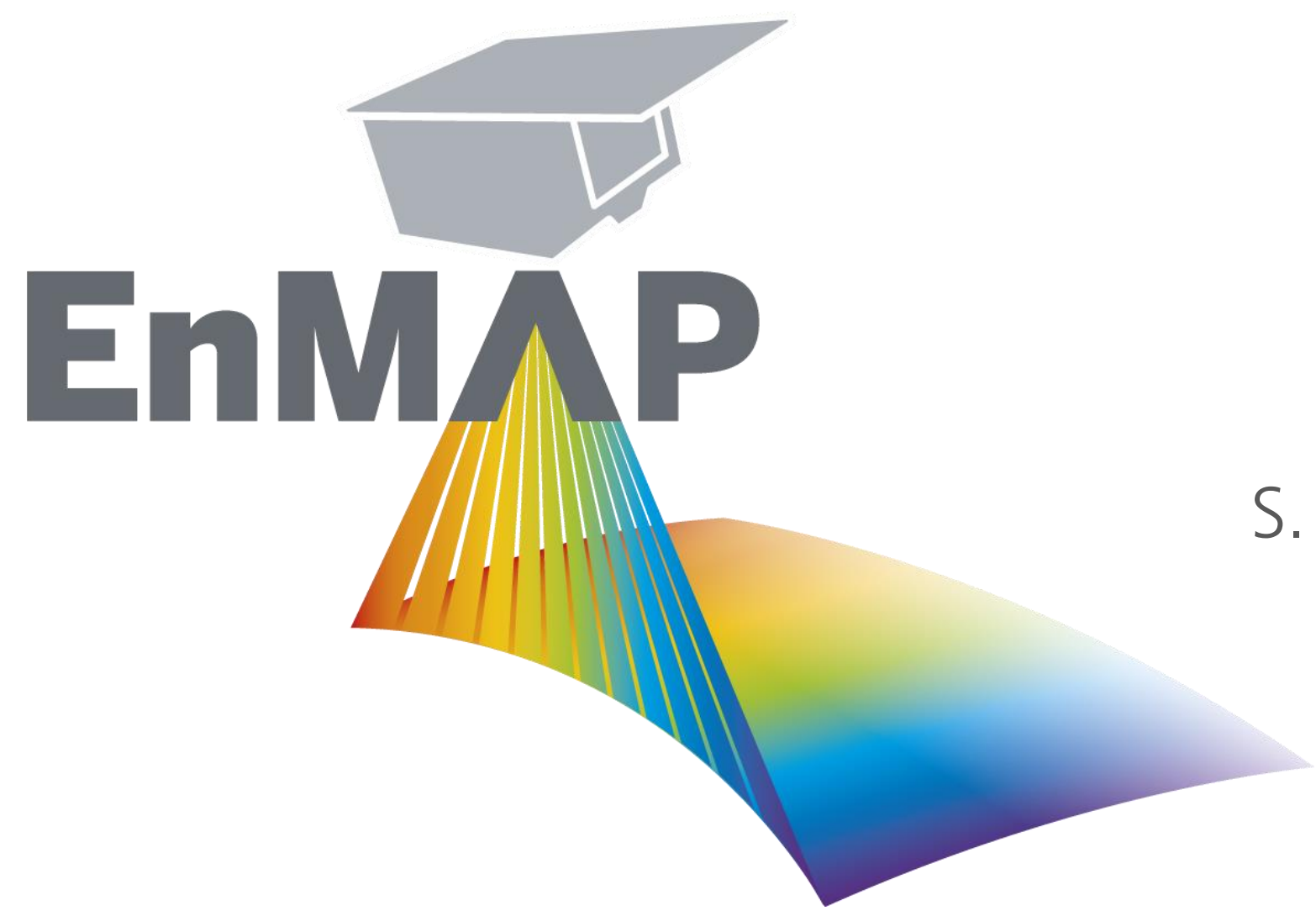




EnMAP data from a user's view

S. Baumann¹, E. Carmona², N. Pinne¹, A. Gidofalvy¹, K. Schork¹, M. Vereda¹, M. Habermeyer¹, S. Hartung¹, M. Tegler¹, P. Zeidler¹

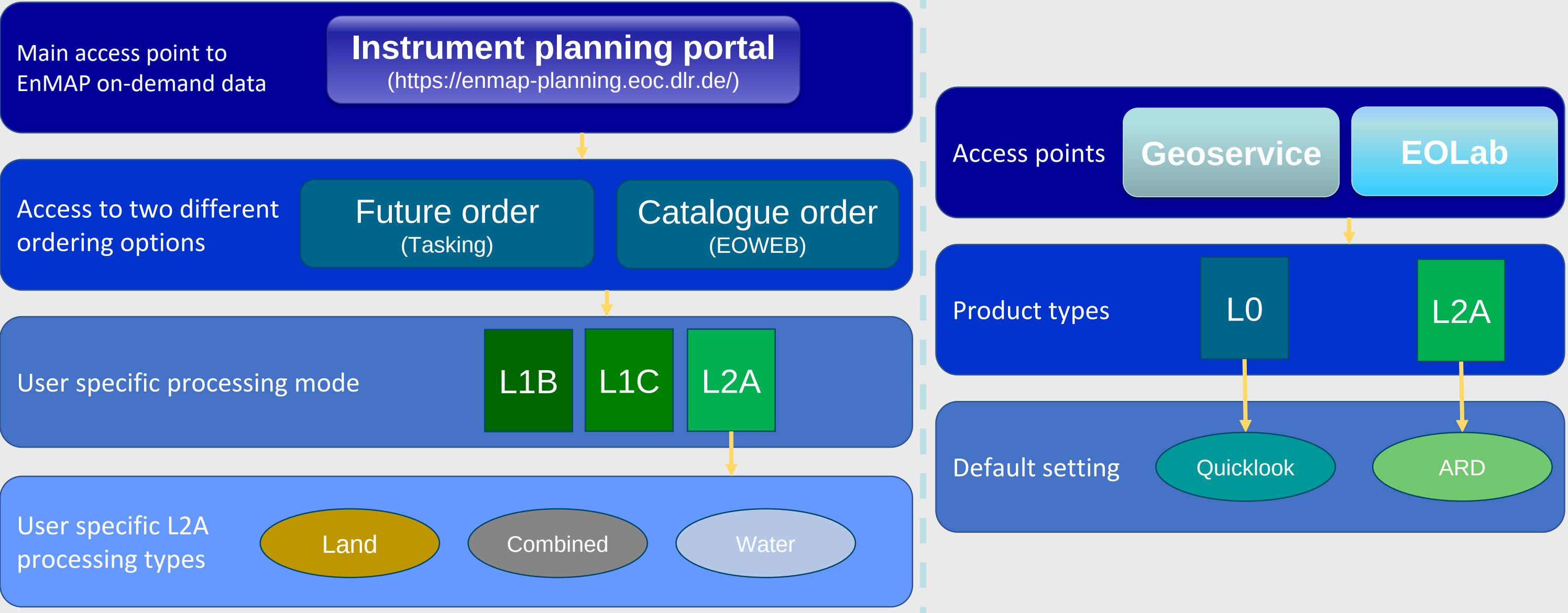
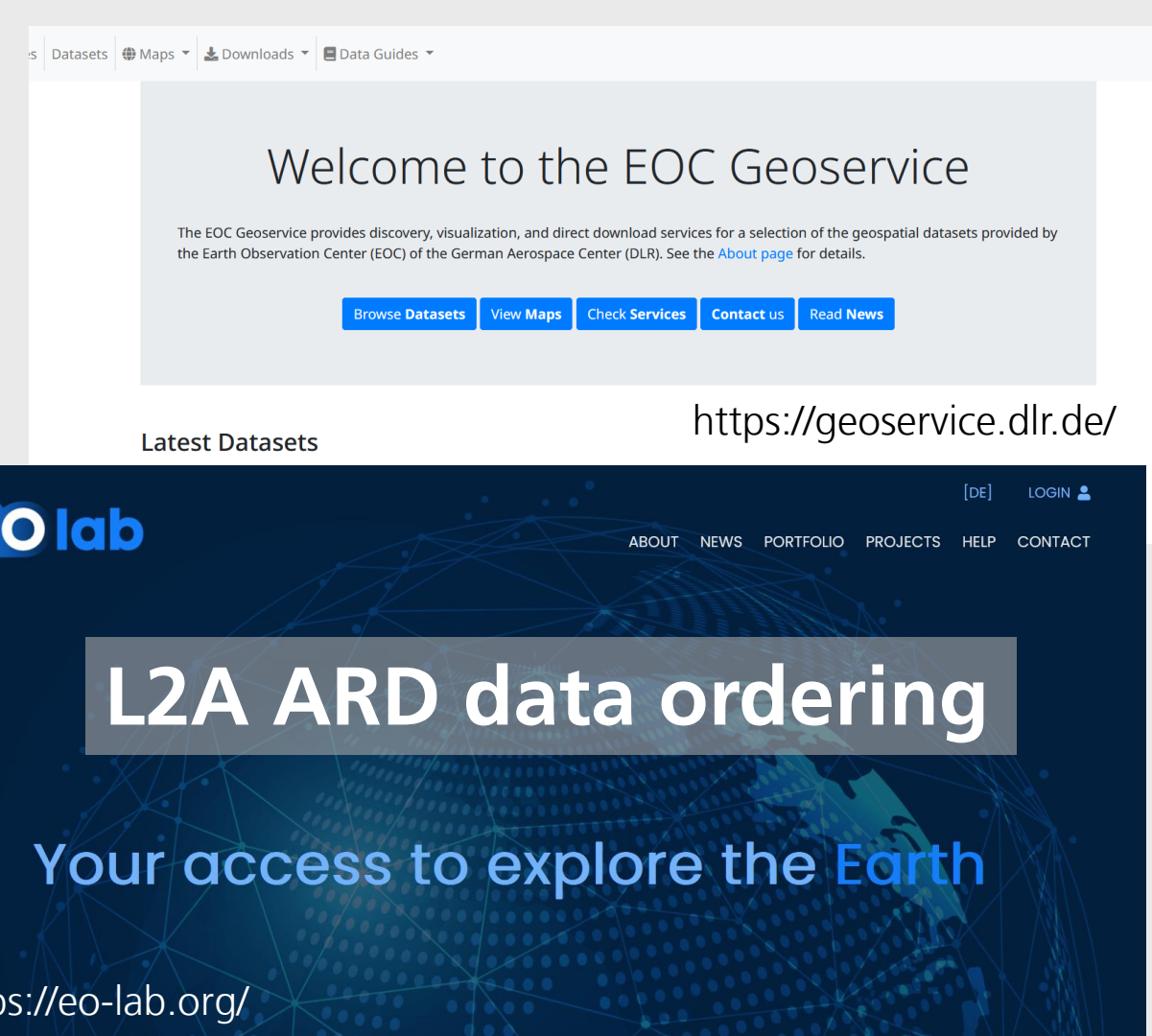
¹ German Aerospace Center (DLR), German Remote Sensing Data Center, Germany
² German Aerospace Center (DLR), Remote Sensing Technology Institute, Germany

Mission overview

EnMAP (Environmental Mapping and Analysis Program; www.enmap.org), the Environmental Mapping and Analysis Program, is a German satellite mission that was successfully launched in April 2022. EnMAP is an optical (VNIR/SWIR) remote sensing mission with high spatial (30 m GSD) and spectral (FWHM ~6-12 nm) resolution. It is operated in Germany and DLR is responsible for the mission operations. While initially designed for terrestrial applications, EnMAP holds significant potential for aquatic studies due to its hyperspectral capabilities. The mission offers separate processing chains for land and water pixels within the L2A processing.



Access to EnMAP data: On-demand and L2A ARD data ordering



Tasking future orders

Registration/Sign-up and role assignment (user role)

Instrument planning portal

Registration (Sign-up)

Role assignment (User role)

Scientific role

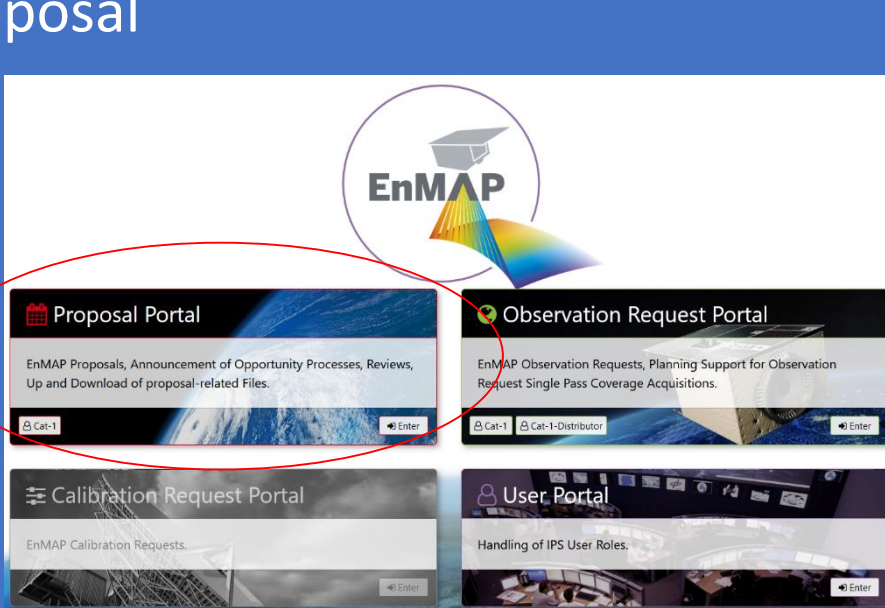
Cat-1 user role

Cat-2 user role

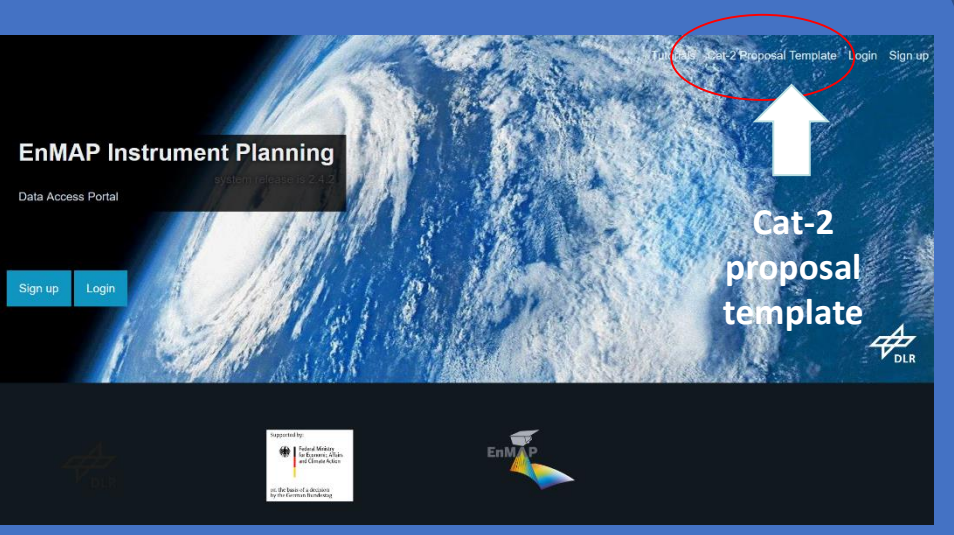
Commercial role

Submission of proposal

Insert the required input information via the Instrument planning Proposal portal

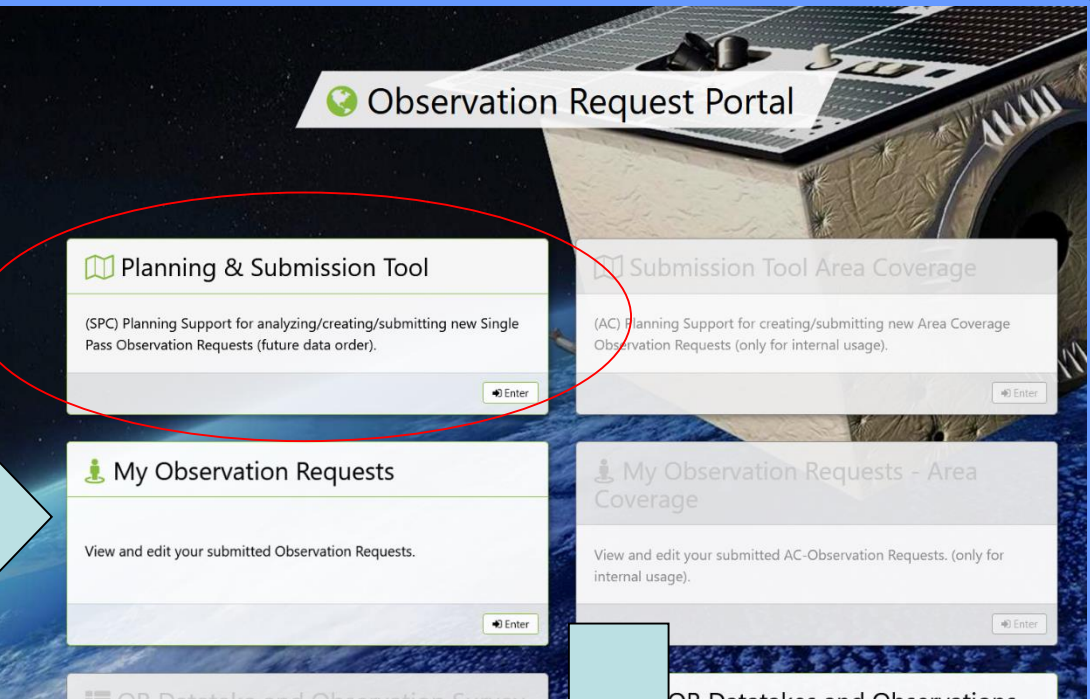
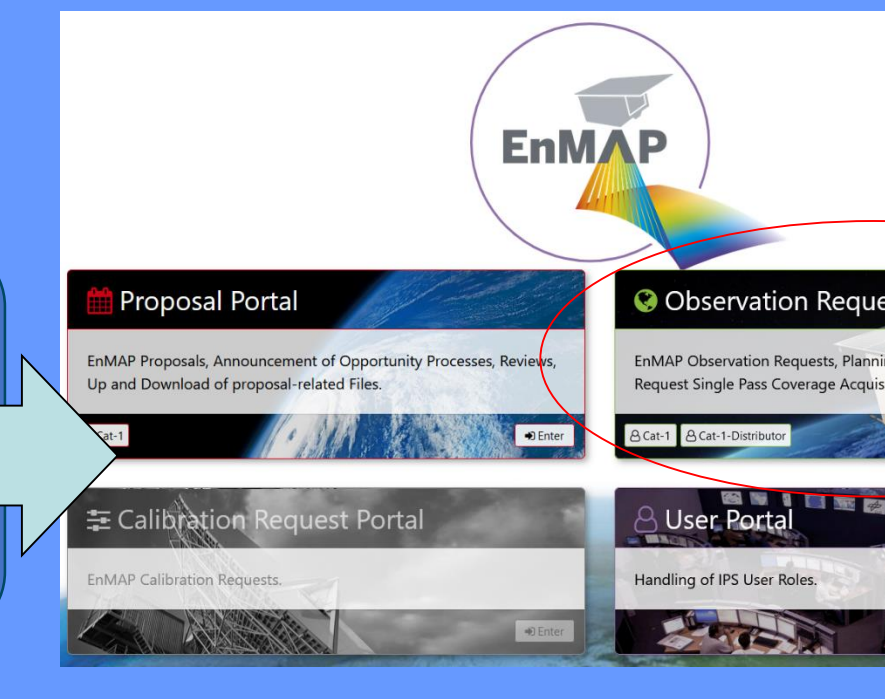


Download the Cat-2 proposal template from Instrument planning portal landing page and send per mail to enmap_cat2_user@dlr.de

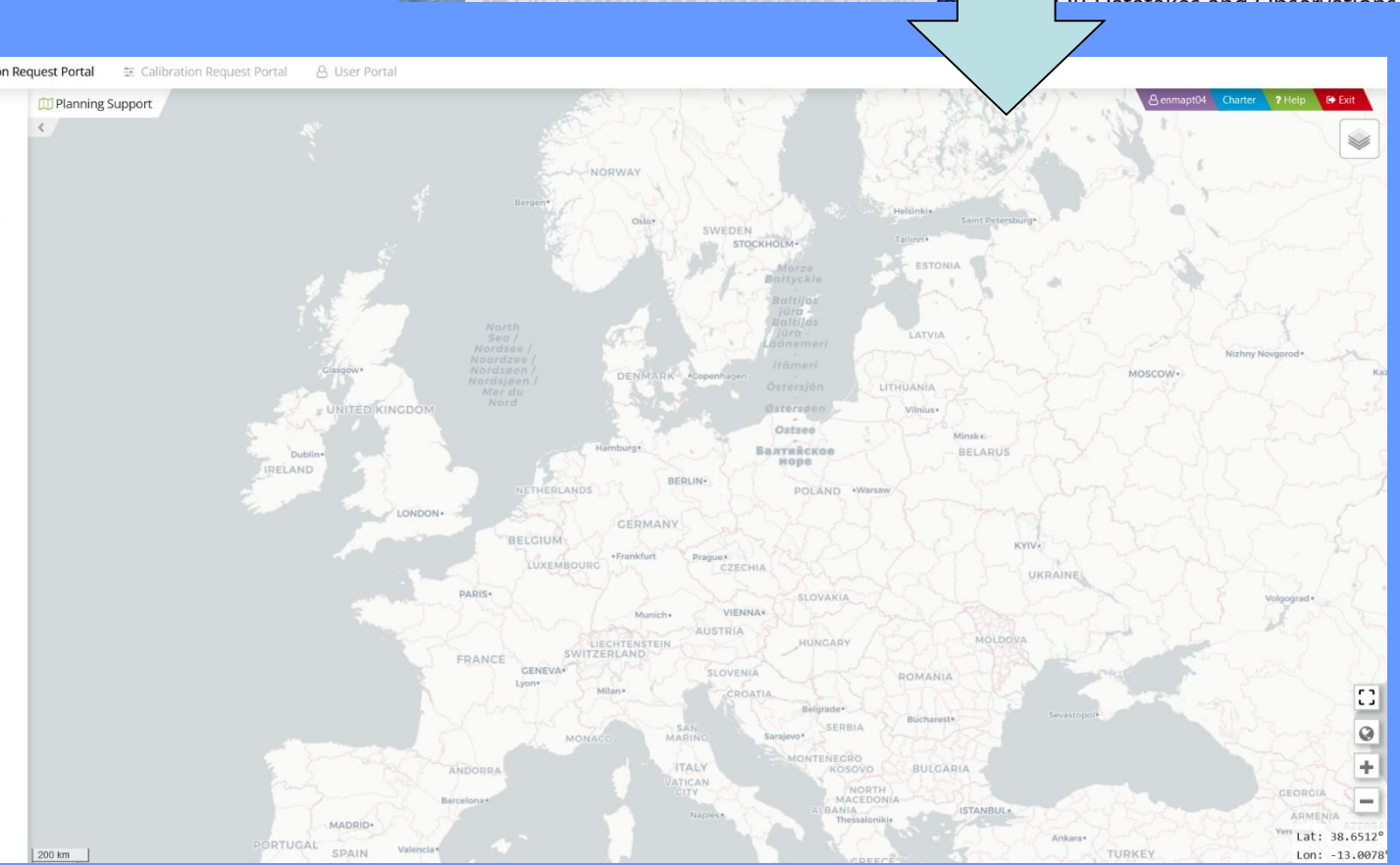


Tasking your acquisitions

Receive contingent and quota



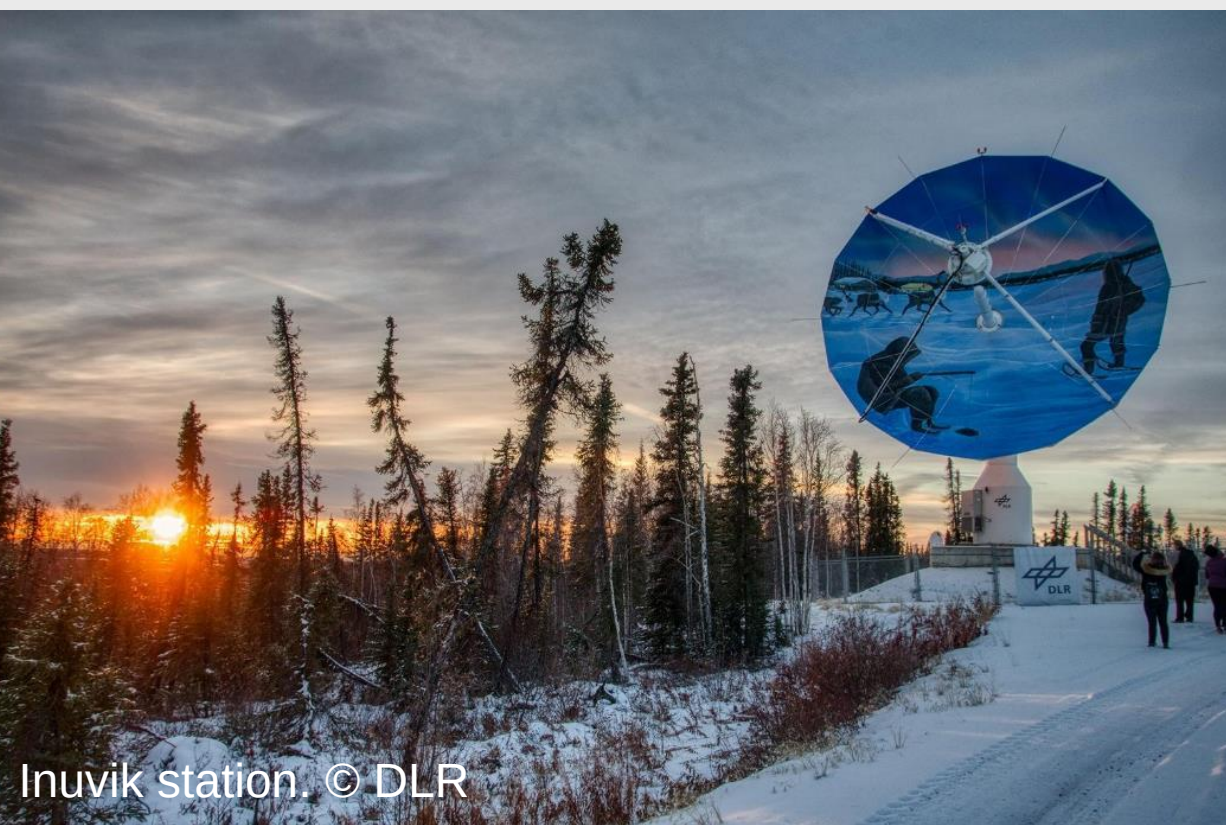
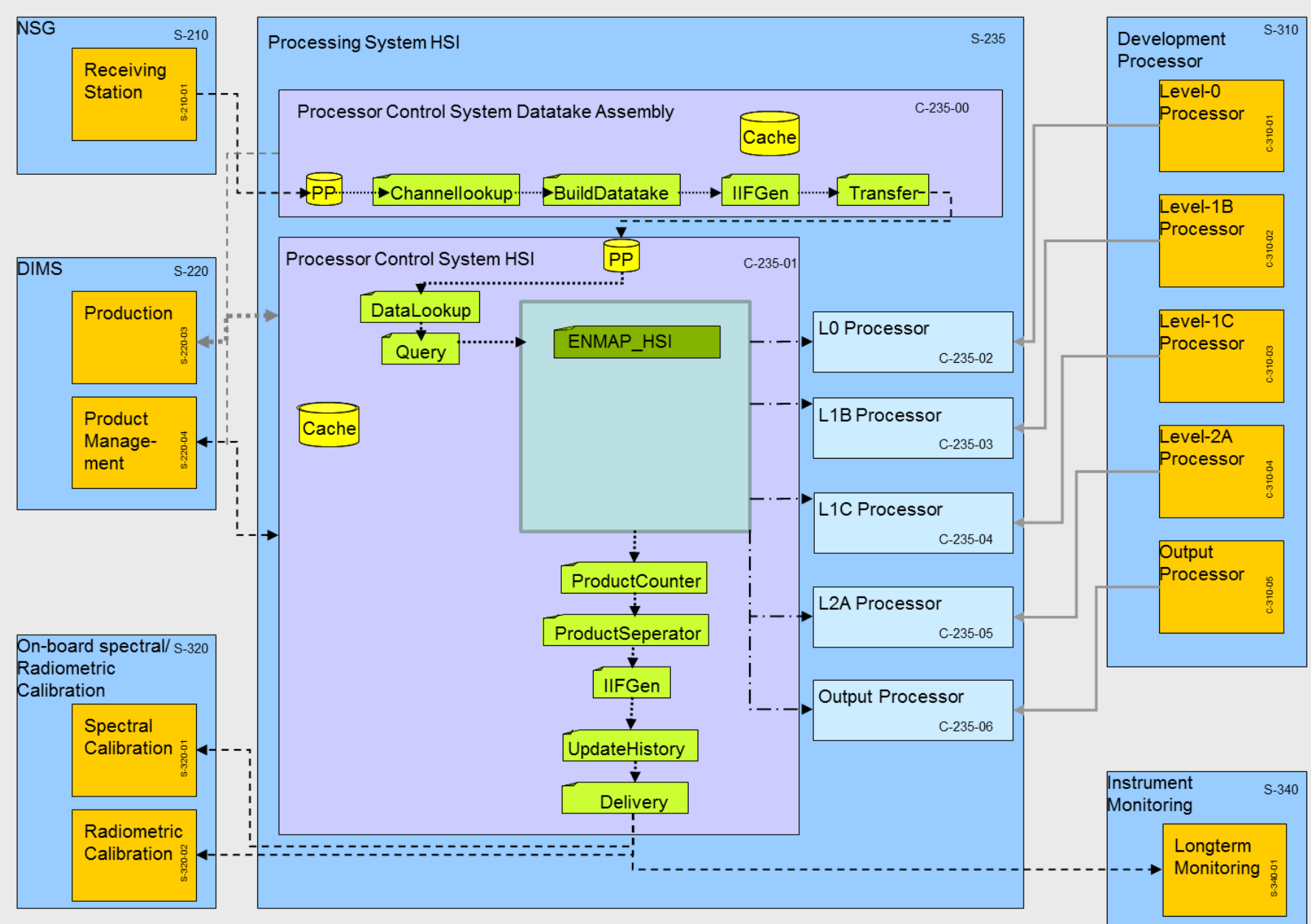
You can plan and order your acquisitions depending on your contingent and current quota. One tile corresponds to 30 km x 30 km and one data take requires a minimum of three tiles. If your quota is exhausted you have to submit a new proposal to be able to task again.



Uplink, downlink and processing

For uplink and downlink of EnMAP acquisition orders, the ground stations at Neustrelitz (DE) and Inuvik (CAN) are available. The data archive for long-term archiving is based on a redundant saving policy and all data are stored in Neustrelitz (close to Berlin) as well as in Oberpfaffenhofen (close to Munich).

The core unit for the data processing is the hyperspectral imager processing system (HSI) located at Neustrelitz ground station. All order processing as well as reprocessing campaigns are performed there.



User activities and catalogue download statistics

Category	Number	09.01.2024	19.03.2024	18.06.2024	25.09.2024	04.12.2024	17.03.2025	10.06.2025
Users registered		1.775	2.015	2385	2746	3183	3496	3921
• Cat-1		2.116	2.280	2575	2891	3250	3530	3897
○ A00001		1.299	1.491	1789	2105	2434	2744	3108
○ A00002*		621	604	602	602	619	601	602
○ A00003*		196	185	184	184	197	185	186
• Catalogue User		1.323	1.487	1791	2094	2501	2691	2980
• Cat-2		-	-	-	-	-	-	27
Catalogue Orders		5067	6218	8015	10213	11451	13597	15325
Products		38502	49360	65368	88526	98116	118308	132664
Proposals**		564	751	900	1030	1139	1288	1464
• Reviewed / Released		429	471	542	631	688	773	779
• To be modified after Review		11	10	7	7	7	0	0
• Running Review process		4	2	17	6	5	1	1
• In Preparation by Cat-1 User		120	143	19	29	29	43	35

Table 1: User registration, ordering, and proposal data from 02.11.2022 until 10.06.2025.
* Decrease compared to previous values is caused by inhibition of user roles due to inconsistent or invalid UMS registration data.
** Proposals in status 'Discarded' and 'Rejected' not included in table

The mean time for processing of catalogue orders (blue bars) as well as the amount of incoming orders (orange line) varies from quartal to quartal.

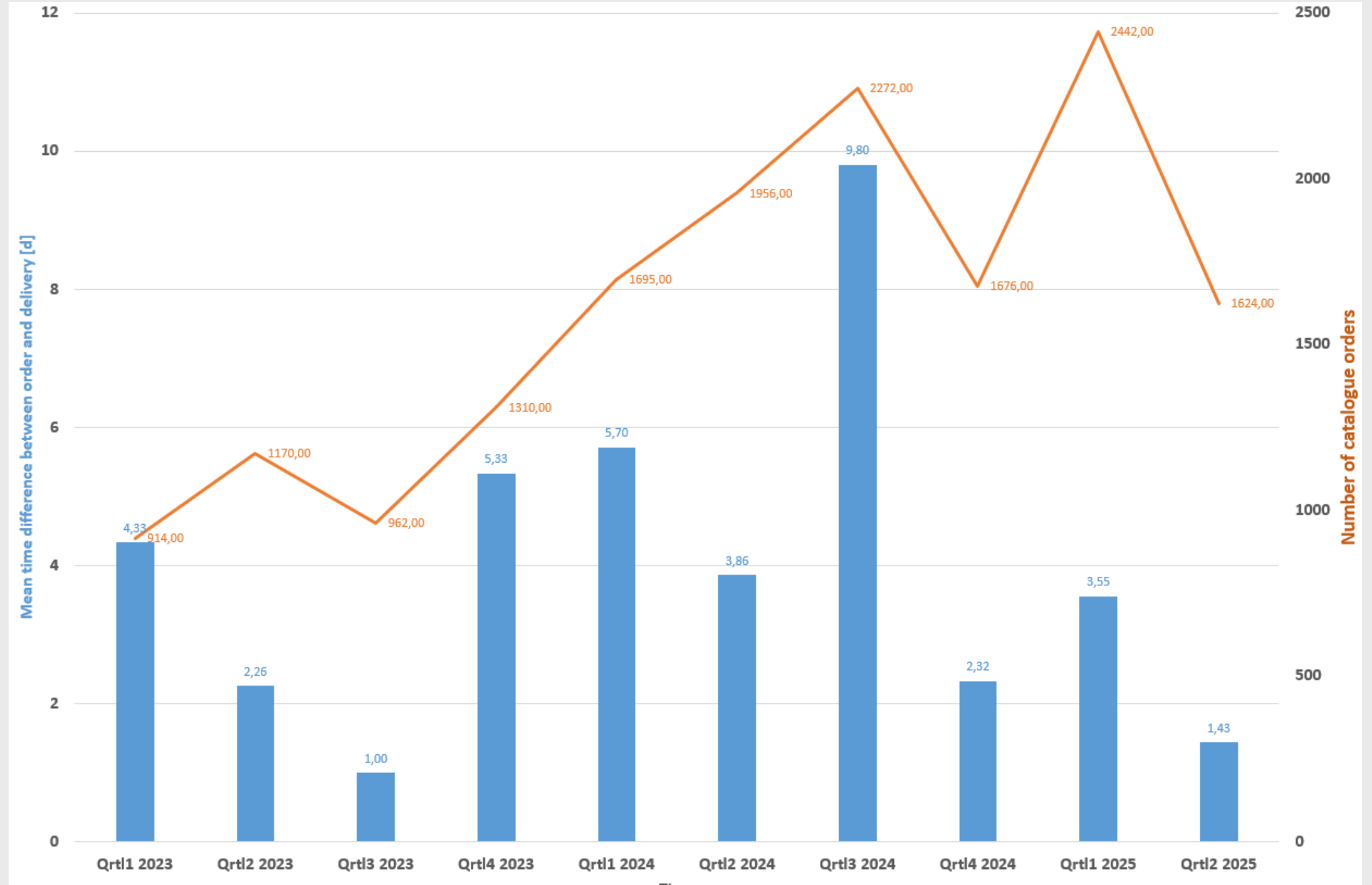


Figure 1: Number of catalogue orders and mean time difference in days between order and delivery for catalogue orders for 2023-01-01 and 2025-06-10. Status of orders: cancelled or finished.

Supported by:



on the basis of a decision by the German Bundestag



www.enmap.org



Contact: sabine.baumann@dlr.de