

# USER INQUIRIES AND GROUND SEGMENT OPERATION ACTIVITIES

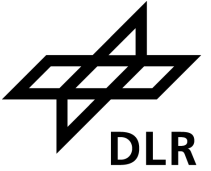
Nicole Pinnel<sup>1</sup>, Anke Schickling<sup>4</sup>, Laura La Porta<sup>4</sup>, Sabine Chabrilat<sup>5,6</sup>, Saskia Förster<sup>5</sup>, Christoph Lenzen<sup>3</sup>, Katrin Wirth<sup>3</sup>, Helmut Mühle<sup>1</sup>, Martin Habermeyer<sup>1</sup>, Emiliano Carmona<sup>2</sup>, Sebastian Fischer<sup>4</sup>

1st EnMAP User Workshop  
10.-11. October 2023  
Online event

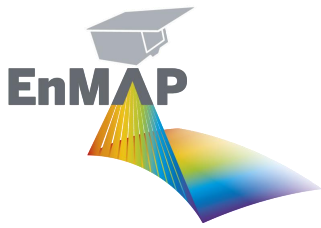
- <sup>1</sup> German Remote Sensing Data Center, DLR, Germany
- <sup>2</sup> Remote sensing Technology Institute, DLR, Germany
- <sup>3</sup> German Space Operations Center, DLR, Germany
- <sup>4</sup> DLR Space Agency, Germany
- <sup>5</sup> GFZ - Helmholtz Center Potsdam, Germany
- <sup>6</sup> LUH- Leibniz University Hannover, Germany



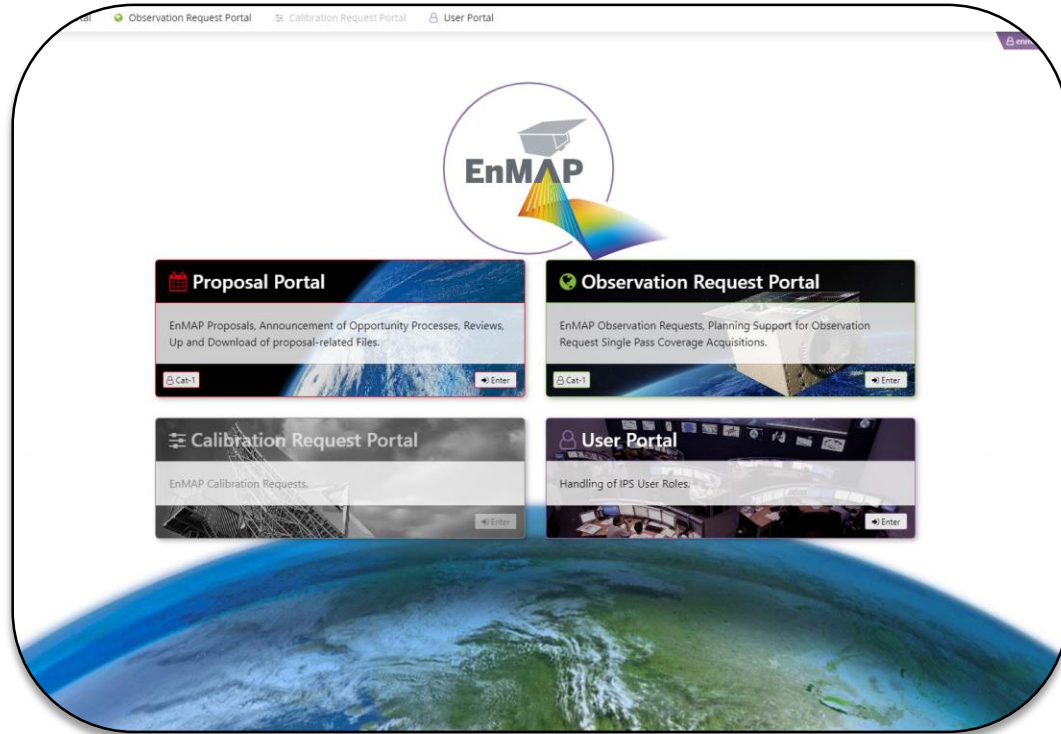
# Outline



- Frequent User Inquiries and Practical Infos
  - User Roles
  - Priorities/ Commercial users
  - Proposals/ Quota/
  - Observation requests
  - EOWEB Access
- Foreground Mission
- EnMAP.org

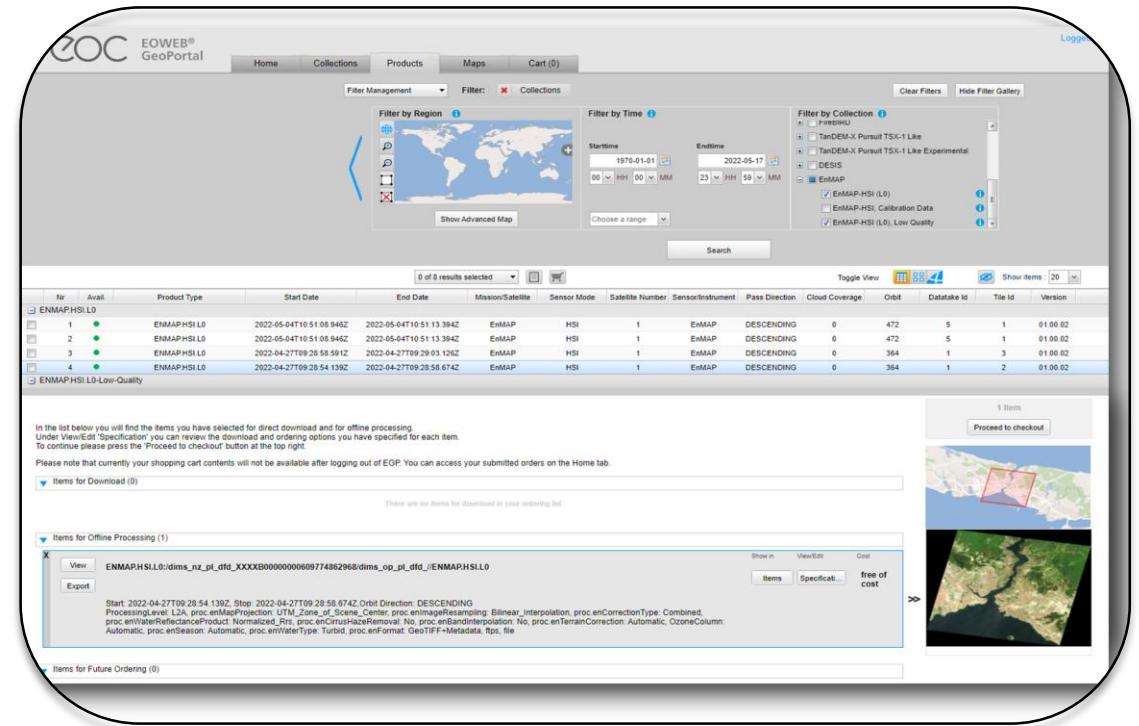


# User Inquiries and Practical Infos



**EnMAP Instrument Planning Portal (IPP)**

<https://planning.enmap.org/>



**EnMAP EOWEB@GeoPortal (EGP)**

<https://eoweb.dlr.de/egp/>

# User Inquiries and Practical Infos

## User Roles, Priorities, Quotas

Available User Roles are:

- **Cat-1 (Science)**
- **Catalogue (Cat-1 Distributor)**
- All other User Roles (Internal, Charter, PI-AO, Reviewer, Background Mission) are not available to external users.



User Roles (subset in red with relevance for Science Users)	Priority (if quota is not exhausted)
Internal	9
Charter	8
Cat-1 (Science) (high priority)	7
Cat-1 (Science) (standard priority)	6
Cat-2 (Commercial) (tbd.)	5
Cat-1 (Science) (low priority, e.g. background, quota exhausted)	4
Catalogue (Cat-1 Distributor)	-
Cat-2 Distributor (tbd.)	-
PI-AO	-
Reviewer	-
Background Mission (tbd.)	0



# User Inquiries and Practical Infos

## User Roles, Priorities, Quotas

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- **Cat-1 (Science)**
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- All other User Roles (Internal, Charter, PI-AO, Reviewer, Background Mission) are not available to external users.

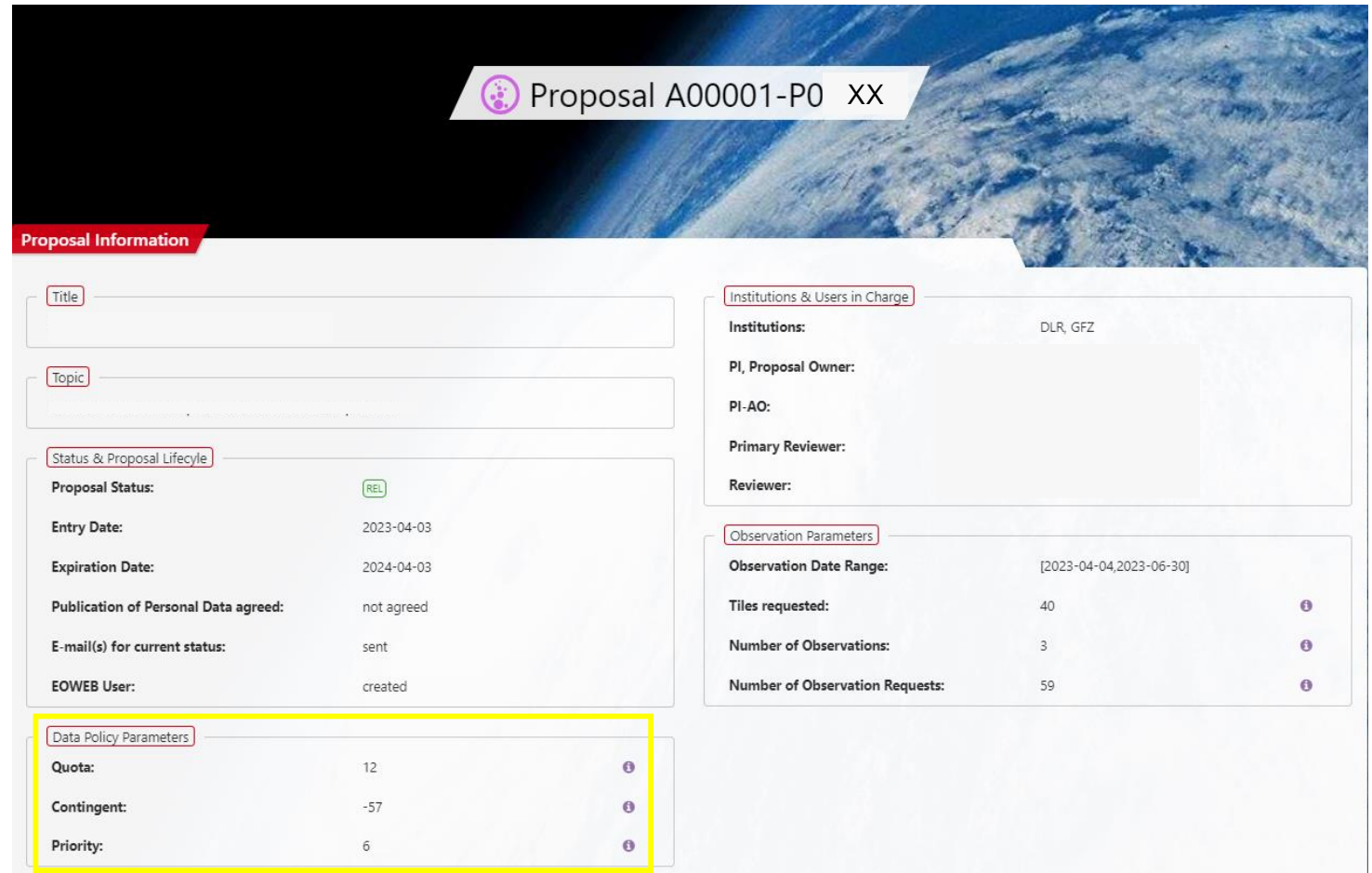


User Roles (subset in red with relevance for Science Users)	Priority (if quota is not exhausted)
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Cat-2 (Commercial) (tbd.)	5
Cat-1 (Science) (low priority, e.g. background, quota exhausted)	4
Catalogue (Cat-1 Distributor)	-
Cat-2 Distributor (tbd.)	-
PI-AO	-
Reviewer	-
Background Mission (tbd.)	0

# User Inquiries and Practical Infos

## User Roles, Priorities, Quotas

- Quota is the amount of data products per year a user is allowed to order
- If the Quota is exceeded the user may submit further orders but with reduced priority
- Exceeded Quota (= negative Contingent value) will automatically lead to lower priority (e.g. from Prio 6/7 -> Prio 4)



Proposal A00001-P0 XX

### Proposal Information

Title	
Topic	

### Status & Proposal Lifecycle

Proposal Status:	REL
Entry Date:	2023-04-03
Expiration Date:	2024-04-03
Publication of Personal Data agreed:	not agreed
E-mail(s) for current status:	sent
EOWEB User:	created

### Data Policy Parameters

Quota:	12
Contingent:	-57
Priority:	6

### Institutions & Users in Charge

Institutions:	DLR, GFZ
PI, Proposal Owner:	
PI-AO:	
Primary Reviewer:	
Reviewer:	

### Observation Parameters

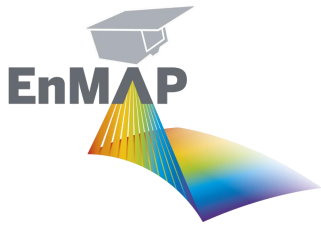
Observation Date Range:	[2023-04-04,2023-06-30]
Tiles requested:	40
Number of Observations:	3
Number of Observation Requests:	59

# User Inquiries and Practical Infos



## Commercial Users

- Commercial User (cat-2) role will become available soon (tbd).
- Commercial user (cat-2) role is only necessary, if a commercial user wants to submit future observation requests.
- The priority of request of cat-2 users (prio 5) is lower as the requests of cat-1 user (prio 6/ 7).
- The data already available in the archive can be used by any user, commercial or non-commercial ([https://www.enmap.org/data/resources/EnMAP\\_Data\\_License.pdf](https://www.enmap.org/data/resources/EnMAP_Data_License.pdf))



# User Inquiries and Practical Infos

## Proposals

- Proposals in status **SUB** are not properly submitted, only Proposals in status **REL** (released) can be reviewed and released.
- Quota (number of granted tiles) will be granted individually by the review team based on the proposal description and the added observations.
- EnMAP Ground Tracks as kml available on [www.enmap.org/Mission/](http://www.enmap.org/Mission/)

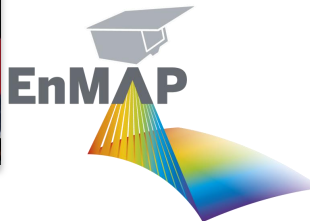
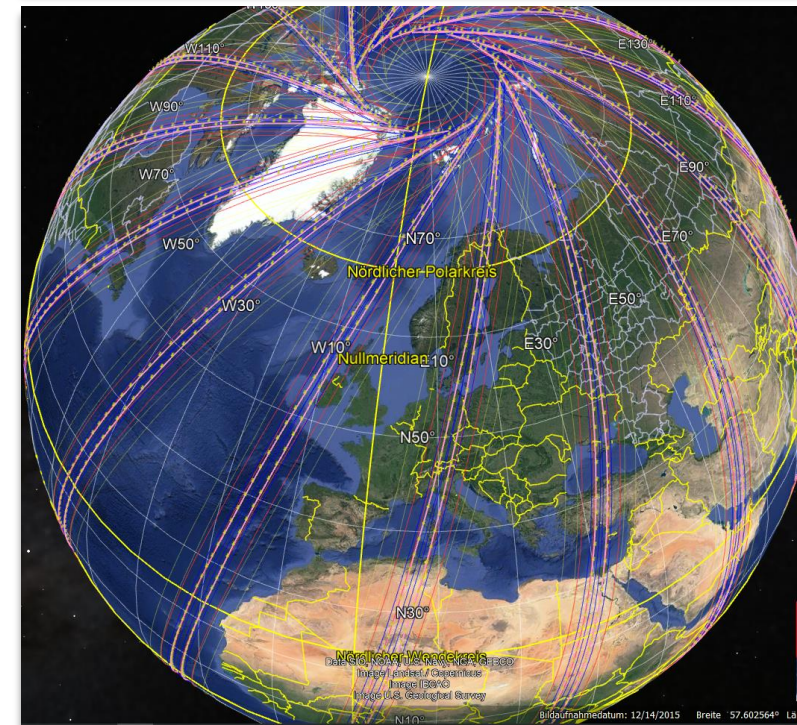
Proposals visible to Cat-1 User enmap\_as

Show 10 entries Search: enmap\_as

Topic	Proposal	Status	Entered	Title	Owner	Obs.	Review	ORs
CALVAL	A00001-P00290	REL	2023-07-21	EnMAP ground segment proposal	enmap_as	1	ACC	4
VEGETATION	A00002-P00177	DSC	2023-06-28	sdfsdf	enmap_as	0	NRV	0
WATER	A00001-P00082	SUB	2023-02-07	Demo Proposal	enmap_as	1	NRV	0
WATER	A00001-P00055	REL	2023-01-12	Wetland monitoring in Terraba Sierpe Costa Rica	enmap_as	1	ACC	11
WATER	A00001-P00056	DSC	2023-01-12	Wetland monitoring in Terraba Sierpe Costa Rica -	enmap_as	1	NRV	0
WATER	A00001-P00038	DSC	2022-12-16	Wetland monitoring in Terraba Sierpe Costa Rica	enmap_as	1	AWM	0
WATER	A00001-P00031	SUB	2022-12-13	Mapping submerged aquatic vegetation	enmap_as	2	NRV	0
VEGETATION	A00001-P00001	DSC	2022-11-01	Demo Proposal	enmap_as	2	TPG	0

Showing 1 to 8 of 8 entries (filtered from 378 total entries)

Previous 1 Next





# User Inquiries and Practical Infos



## Observation requests

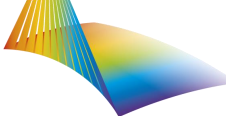
Analyze EnMAP visibility contacts

Datatake query **Workshop** could be taken using 25 potential visibility contact(s)...

id	start [UTC]	dura [sec]	direction	offNadir [deg]
0.0	2023-10-11T10:55:28.002Z	106.85	descending	-11.857
1.0	2023-10-12T11:20:32.576Z	106.85	descending	22.474
2.0	2023-10-15T10:59:03.262Z	106.85	descending	-6.826
3.0	2023-10-16T11:24:07.083Z	106.85	descending	26.523
4.0	2023-10-19T11:02:38.412Z	106.85	descending	-1.688
5.0	2023-10-22T10:41:05.884Z	106.85	descending	-29.49
6.0	2023-10-23T11:06:13.457Z	106.85	descending	3.465
7.0	2023-10-26T10:44:41.571Z	106.85	descending	-25.545
8.0	2023-10-27T11:09:48.395Z	106.85	descending	8.538
9.0	2023-10-30T10:48:17.154Z	106.85	descending	-21.271
10.0	2023-10-31T11:13:23.229Z	106.85	descending	13.441
11.0	2023-11-03T10:51:52.631Z	106.85	descending	-16.693
12.0	2023-11-04T11:16:57.957Z	106.85	descending	18.103
13.0	2023-11-07T10:55:28.002Z	106.85	descending	-11.857
14.0	2023-11-08T11:20:32.576Z	106.85	descending	22.474

Previous 1 2 Next

EnMAP



# User Inquiries and Practical Infos

## Observation requests

Analyze EnMAP visibility contacts

Datatake query **Workshop** could be taken using 25 potential visibility contact(s)...

id	start [UTC]	dura [sec]	direction
0.0	2023-10-11T10:55:28.002Z	106.85	descending
1.0	2023-10-12T11:20:32.576Z	106.85	descending
2.0	2023-10-15T10:59:03.262Z	106.85	descending
3.0	2023-10-16T11:24:07.083Z	106.85	descending
4.0	2023-10-19T11:02:38.412Z	106.85	descending
5.0	2023-10-22T10:41:05.884Z	106.85	descending
6.0	2023-10-23T11:06:13.457Z	106.85	descending
7.0	2023-10-26T10:44:41.571Z	106.85	descending
8.0	2023-10-27T11:09:48.395Z	106.85	descending
9.0	2023-10-30T10:48:17.154Z	106.85	descending
10.0	2023-10-31T11:13:23.229Z	106.85	descending
11.0	2023-11-03T10:51:52.631Z	106.85	descending
12.0	2023-11-04T11:16:57.957Z	106.85	descending
13.0	2023-11-07T10:55:28.002Z	106.85	descending
14.0	2023-11-08T11:20:32.576Z	106.85	descending

- Only one acquisition per observation request
- Very long acquisition time windows should be avoided

Mode:: POINT MULTI PASS

**Datatake Parameters** changeable for each datatake anytime before submission...

Start Date (UTC Time)  End Date (UTC Time)

Off Nadir Angle  Path Direction  Swath Length (km)

**Sunglint Default Parameters** used for all datatakes...

Model  Preview Sunglint  Windspeed(s)

Coverage Threshold  Intensity Threshold  Threshold Type

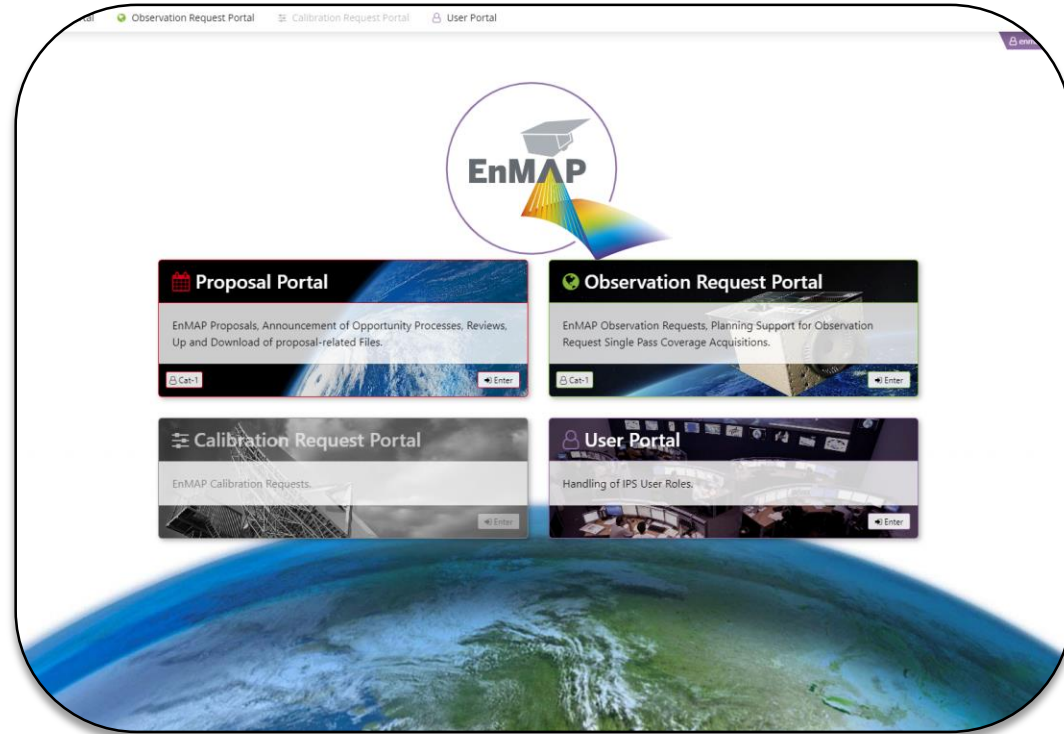
**Cloud Coverage Default Parameters** used for all datatakes...

Preview Clouds  Threshold Type  Intensity Threshold  Coverage Threshold

**Save & Calculate now**

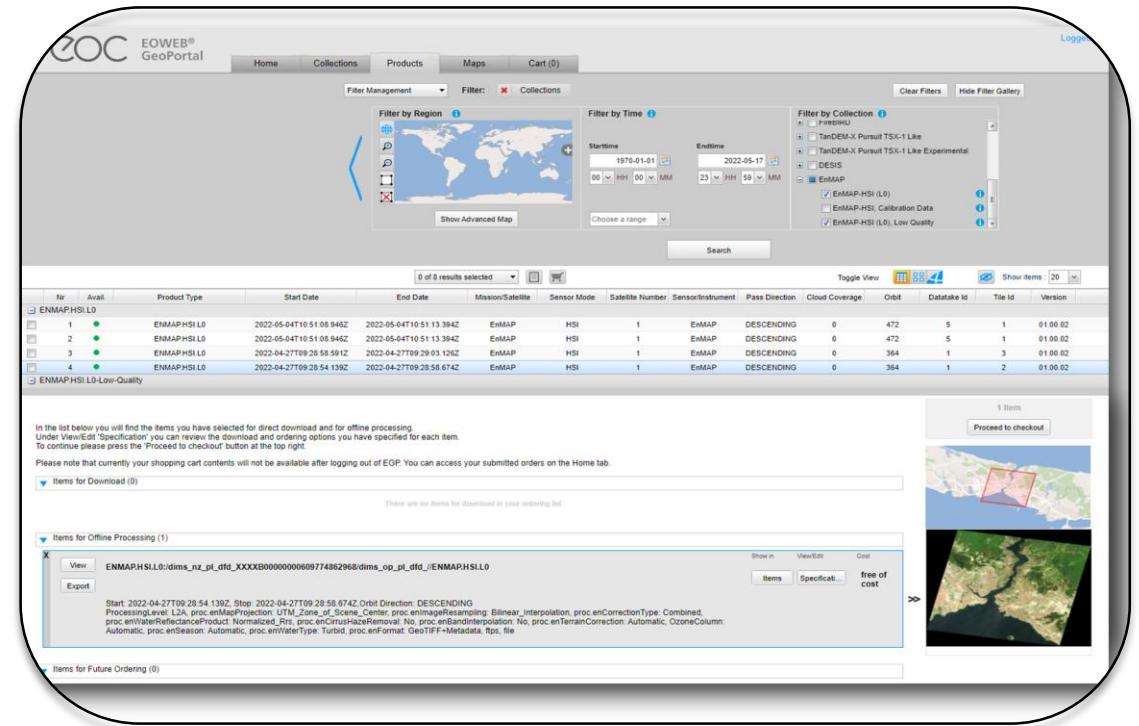


# User Inquiries and Practical Infos



**EnMAP Instrument Planning Portal (IPP)**

<https://planning.enmap.org/>



**EnMAP EOWEB@GeoPortal (EGP)**

<https://eoweb.dlr.de/egp/>

# User Inquiries and Practical Infos



## Eoweb Access

**EOWEB® GeoPortal** Login page for the D-SDA Access Services / EOWEB Geoportal

Username: \*  
enmap\_as-cat1-A00001-P00055

Password: \*  
\*\*\*\*\*

**EnMAP Eoweb sub-account is required !**

[Forgotten/expired Password?](#) [Register](#)

For security reasons, please log out and exit your web browser when you are done accessing services that require authentication! In case of problems or questions regarding user management please contact the [eoc-ums-helpdesk@dlr.de](mailto:eoc-ums-helpdesk@dlr.de).

Logged in as: enmap\_as-cat1-A00001-P00290 | Help

Logout | View your orders

Filter by Collection

- Thematic Maps
- FireBIRD
- TanDEM-X Pursuit TSX-1 Like
- TanDEM-X Pursuit TSX-1 Like Experimental
- DESIS
- EnMAP
  - EnMAP-HSI (L0)
  - EnMAP-HSI (L0), Low Quality

Toggle View | Show items: 100 | Go to: 1 / 2

ENMAPHSI L0 - 2023-09-26T11:08:20.581Z

ENMAPHSI L0 - 2023-09-26T11:08:16.947Z - 2023-09-26T11:08:20.581Z

ENMAPHSI L0 - 2023-09-26T11:08:11.594Z - 2023-09-26T11:08:16.129Z

ENMAPHSI L0 - 2023-09-26T11:08:07.142Z - 2023-09-26T11:08:11.677Z

ENMAPHSI L0 - 2023-09-26T11:08:02.690Z - 2023-09-26T11:08:07.225Z

ENMAPHSI L0 - 2023-09-26T11:07:58.238Z - 2023-09-26T11:08:02.773Z

ENMAPHSI L0 - 2023-09-26T11:07:53.786Z - 2023-09-26T11:07:58.321Z

ENMAPHSI L0 - 2023-09-26T11:07:49.334Z - 2023-09-26T11:07:53.869Z

ENMAPHSI L0 - 2023-09-26T11:07:44.882Z - 2023-09-26T11:07:49.417Z

ENMAPHSI L0 - 2023-09-26T11:07:40.430Z - 2023-09-26T11:07:44.964Z

ENMAPHSI L0 - 2023-09-26T11:07:35.978Z - 2023-09-26T11:07:40.512Z

ENMAPHSI L0 - 2023-09-26T11:07:31.526Z - 2023-09-26T11:07:36.060Z

ENMAPHSI L0 - 2023-09-26T11:07:27.073Z - 2023-09-26T11:07:31.608Z



# User Inquiries and Practical Infos



## Eoweb Access

**EOWEB® GeoPortal** Home Collections Products Maps Cart (0)

Logged in as: enmap\_as-cat1-A00001-P00290 Help

Logout View your orders

Filter Management Filter: Collections Region Time Clear Filters Hide Filter Gallery

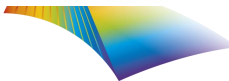
**Filter by Region** Show Advanced Map

**Filter by Time** Starttime: 2023-09-20 00:00:00 Endtime: 2023-09-26 23:59:00 Choose a range

**Filter by Collection**  Thematic Maps  FireBIRD  TanDEM-X Pursuit TSX-1 Like  TanDEM-X Pursuit TSX-1 Like Experimental  DESIS  EnMAP  EnMAP-HSI (L0)  EnMAP-HSI (L0), Low Quality

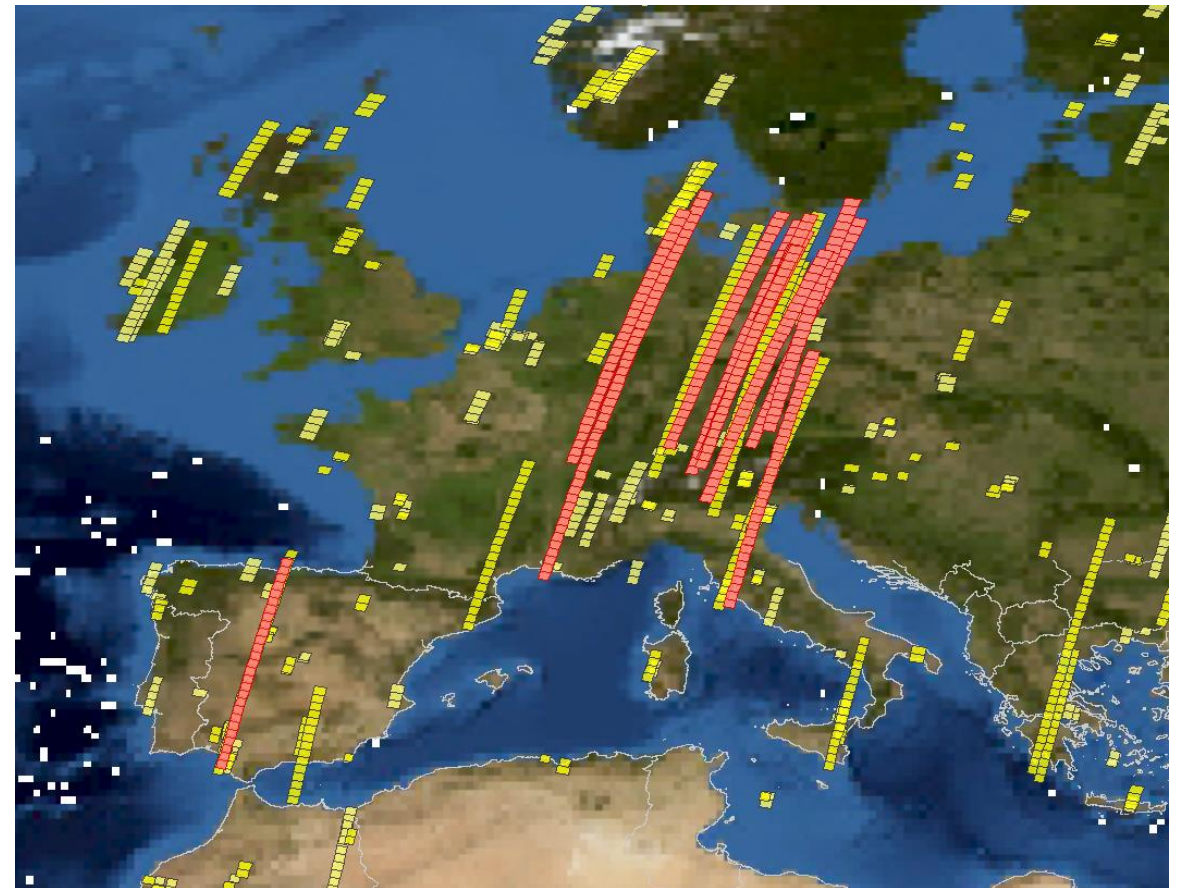
0 of 100 results selected Toggle View Show items: 100 Go to: 1 / 2

1 ENMAPHSILO 2023-09-26T11:09:09.472Z - 2023-09-26T11:09:13.963Z	2 ENMAPHSILO 2023-09-26T11:09:05.020Z - 2023-09-26T11:09:09.554Z	3 ENMAPHSILO 2023-09-26T11:09:00.568Z - 2023-09-26T11:09:05.102Z	4 ENMAPHSILO 2023-09-26T11:09:56.115Z - 2023-09-26T11:09:00.650Z	5 ENMAPHSILO 2023-09-26T11:08:51.663Z - 2023-09-26T11:08:56.198Z	6 ENMAPHSILO 2023-09-26T11:08:47.211Z - 2023-09-26T11:08:51.746Z	7 ENMAPHSILO 2023-09-26T11:08:42.758Z - 2023-09-26T11:08:47.294Z	8 ENMAPHSILO 2023-09-26T11:08:38.307Z - 2023-09-26T11:08:42.842Z	9 ENMAPHSILO 2023-09-26T11:08:33.855Z - 2023-09-26T11:08:38.390Z	10 ENMAPHSILO 2023-09-26T11:08:29.403Z - 2023-09-26T11:08:33.938Z	11 ENMAPHSILO 2023-09-26T11:08:24.951Z - 2023-09-26T11:08:29.485Z	12 ENMAPHSILO 2023-09-26T11:08:20.499Z - 2023-09-26T11:08:25.033Z
13 ENMAPHSILO 2023-09-26T11:08:16.047Z - 2023-09-26T11:08:20.581Z	14 ENMAPHSILO 2023-09-26T11:08:11.594Z - 2023-09-26T11:08:16.129Z	15 ENMAPHSILO 2023-09-26T11:08:07.142Z - 2023-09-26T11:08:11.677Z	16 ENMAPHSILO 2023-09-26T11:08:02.690Z - 2023-09-26T11:08:07.225Z	17 ENMAPHSILO 2023-09-26T11:07:58.238Z - 2023-09-26T11:08:02.773Z	18 ENMAPHSILO 2023-09-26T11:07:53.786Z - 2023-09-26T11:07:58.321Z	19 ENMAPHSILO 2023-09-26T11:07:49.334Z - 2023-09-26T11:07:53.869Z	20 ENMAPHSILO 2023-09-26T11:07:44.882Z - 2023-09-26T11:07:49.417Z	21 ENMAPHSILO 2023-09-26T11:07:40.430Z - 2023-09-26T11:07:44.964Z	22 ENMAPHSILO 2023-09-26T11:07:35.978Z - 2023-09-26T11:07:40.512Z	23 ENMAPHSILO 2023-09-26T11:07:31.526Z - 2023-09-26T11:07:36.060Z	24 ENMAPHSILO 2023-09-26T11:07:27.073Z - 2023-09-26T11:07:31.608Z



# Foreground mission

- 1000 km long flightlines over certain geographic areas with high priority
- Optimization of user requests
- Extension of spatial coverage and multitemporal coverage in defined cases
- Increasing mission capacity



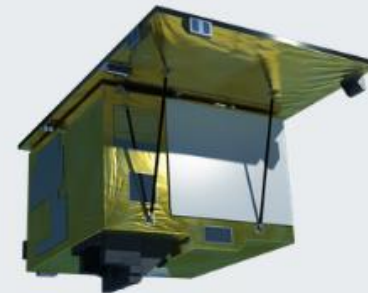


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## Welcome to EnMAP

### The German Spaceborne Imaging Spectrometer Mission

The Environmental Mapping and Analysis Program (EnMAP) is a German hyperspectral satellite mission that monitors and characterizes Earth's environment on a global scale. EnMAP measures geochemical, biochemical and biophysical variables providing information on the status and evolution of terrestrial and aquatic ecosystems. More information about the main objectives and the status can be found on the [mission page](#).



Contact:

Dr Nicole Pinnel

Email: [nicole.pinnel@dlr.de](mailto:nicole.pinnel@dlr.de)

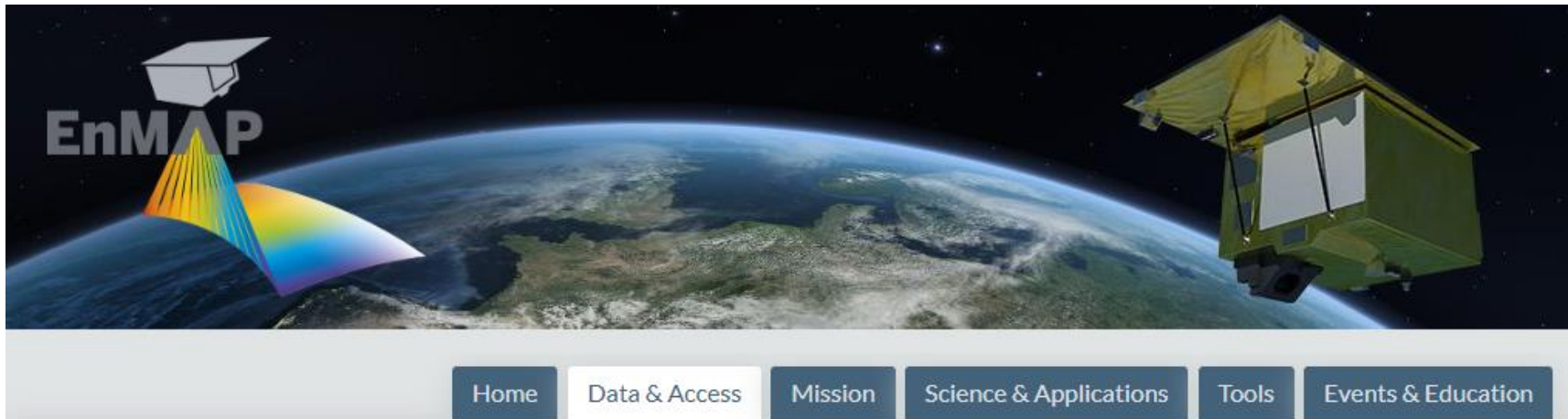
[www.DLR.de](http://www.DLR.de)

[www.enmap.org](http://www.enmap.org)

Funded by



Federal Ministry  
for Economic Affairs  
and Climate Action



Contact:  
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[www.DLR.de](http://www.DLR.de)

[Data Access Portal](#)

## Data & Access

### SCREENCASTS

[How to register and assign to user roles](#)

[How to submit a data proposal](#)

[How to plan and request future observations](#)

[How to search and download data from the archive](#)

The Data Access Portal in general include two major entry points: the EnMAP Instrument Planning Portal and the EOWEB® GeoPortal.

On the EnMAP Instrument Planning Portal users can register, submit proposals, and plan and request future orders. The EOWEB® GeoPortal contains the full EnMAP Data archive. Users can access EnMAP data using two different options:

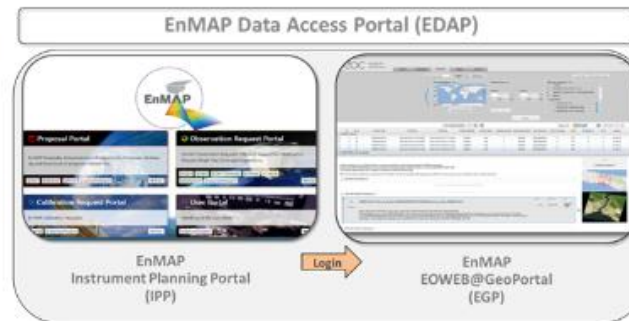


Image: The EnMAP Data Access Portal

- Users can request acquisitions through the EnMAP Instrument Planning Portal. The portal includes the Proposal Portal for proposal submission by

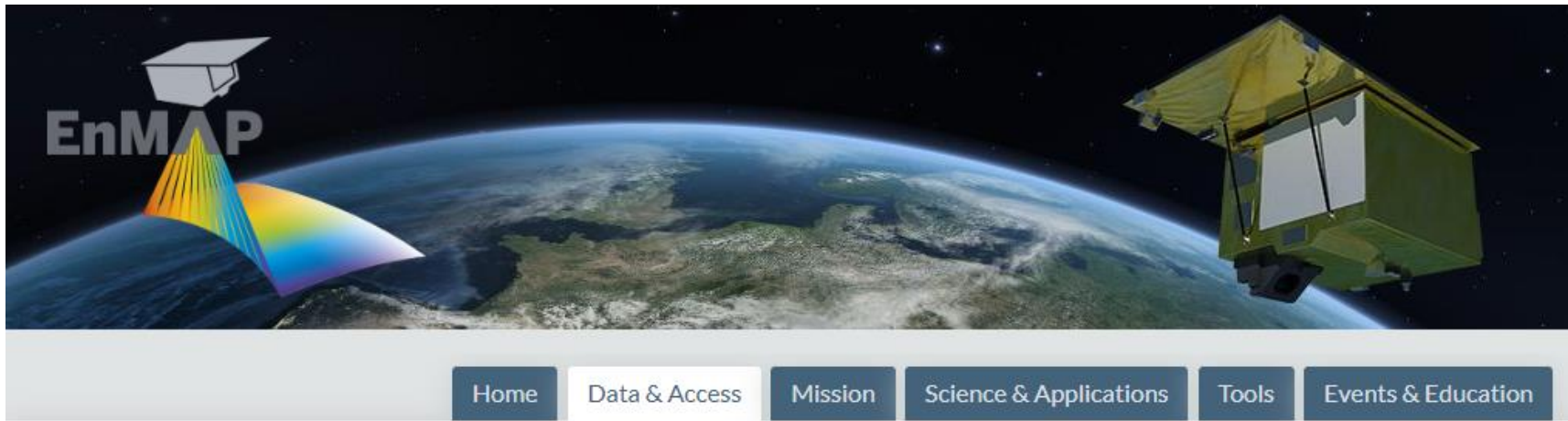
[www.enmap.org](http://www.enmap.org)

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[www.DLR.de](http://www.DLR.de)

[Data Access Portal](#) ↗

## Data & Access

### SCREENCASTS

[How to register and assign to user roles](#) ↗

[How to submit a data proposal](#) ↗

[How to plan and request future observations](#) ↗

[How to search and download data from the archive](#) ↗

### Important User Information:

[https://www.enmap.org/data\\_access/](https://www.enmap.org/data_access/) Screen Casts

<https://www.enmap.org/mission/> EnMAP Ground Tracks

[https://www.enmap.org/data\\_access/](https://www.enmap.org/data_access/) Portal User Manual

Email to: [enmap\\_application\\_as@dlr.de](mailto:enmap_application_as@dlr.de)

[www.enmap.org](http://www.enmap.org)

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# Thank you for your attention !



Contact:  
Dr Nicole Pinnel  
Email: [nicole.pinnel@dlr.de](mailto:nicole.pinnel@dlr.de)  
[www.DLR.d](http://www.DLR.d)

[www.enmap.org](http://www.enmap.org)

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Enmap data@DLR [2022/2023]



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