



**18 & 19 JANUARY 2021**

**14H00 - 18H00 (CET)**

# TCS GNSS DATA & PRODUCTS WEBINAR

**[HTTPS://GNSS-EPOS.EU/WEBINAR-2021/](https://gnss-epos.eu/webinar-2021/)  
[CONTACT@GNSS-EPOS.EU](mailto:CONTACT@GNSS-EPOS.EU)**

## SUMMARY

The EPOS (European Plate Observing System) GNSS Data & Products TCS (Thematic Core Group) is hosting a live webinar. We will present how to benefit from the GNSS data & products from European stations using dedicated software & web-services. Learn how to discover and integrate GNSS data & products for thousands of stations in your science by using dedicated tools based on an integrated software platform developed by the community - GLASS.

During the webinar, we will explain how the services provided by the EPOS-GNSS TCS can help geodetic and geophysical users. Another topic is how the data from National and Regional GNSS networks can be integrated, validated and disseminated through EPOS-GNSS.

## Programme

**MONDAY 18 JANUARY**

**13H45 - 14H00**

### OPENING

**14H00 - 14H45**

### GNSS-EPOS TCS MISSION

(PRESENTER: RUI FERNANDES )

- ▶ Introduction to EPOS and the TCS GNSS Data & Products;
- ▶ Advantages of being an EPOS-GNSS stakeholder;
- ▶ E-Infrastructure: Portals / Nodes / Repositories, FAIR principles, Data Licenses;
- ▶ Flow of Data & Products;
- ▶ Connection with other projects: EPN-Densification, EPOS National Projects, EarthScope Consortium.

(CONTINUE)

**MONDAY 18 JANUARY**

**14H45 - 15H30**

## **HOW TO INTEGRATE A GNSS STATION IN EPOS?**

(PRESENTER: CARINE BRUYNINX)

- ▶ M3G - Metadata Management;
- ▶ GNSS Station requirements;
- ▶ Data Supplier/Operational Center;
- ▶ Selection of EPOS data node;
- ▶ EPOS Data policy;
- ▶ Selection of EPOS Data Node;
- ▶ Station naming and DOMES number;
- ▶ EPOS Data Supplier Letter;
- ▶ Data provision;
- ▶ Station proposed/integrated in EPOS;

**15H30 - 16H00**

## **COFFEE BREAK**

**16H00 - 16H45**

## **DATA PORTAL - HOW TO DOWNLOAD DATA & METADATA**

(PRESENTER: MATHILDE VERNOLLE, JEAN-LUC MENUT)

- ▶ EPOS-GNSS Data Gateway;
- ▶ The Web Client:
  - Overview of the web client;
  - Discovering and downloading metadata;
  - Discovering and downloading data.
- ▶ The Command Line Client:
  - Overview of the command line client;
  - Downloading metadata;
  - Downloading Data.

**16H45 - 17H15**

## **GLASS - HOW TO INSTALL AND USE IT**

(PRESENTER: PAUL CROCKER, JOSÉ MANTEIGUEIRO)

- ▶ GLASS node architecture:
  - OverView;
  - Synchronization;
  - Software Requirements;
  - Virtual Machine.
- ▶ Interaction with EPOS-ICS (Integrated Core Service);
- ▶ Alternative: Pan-European Node:
  - Status;
  - Integrating Stations.

TUESDAY 19 JANUARY

14H00 - 14H45

## PRODUCTS - WHAT PRODUCT FOR WHAT USAGE?

(PRESENTER: ANNE SOCQUET)

- ▶ What is a GNSS product?  
Position Time Series, Secular Velocities,  
Strain Rates.
- ▶ What are the different products labels? What are their  
specificities?  
EPOS, EUREF, EPOS-EUREF.
- ▶ What products for what usage?  
Use Cases.

14H45 - 15H30

## PRODUCTS PORTAL - HOW TO DOWNLOAD PRODUCTS

(PRESENTER: MACHIEL BOS, JOSÉ MANTEIGUEIRO)

- ▶ EPOS-GNSS Products Portal;
- ▶ The Web Client:  
Overview of the Web Client;  
Available Formats;  
Discovering and downloading Products;  
Derived Products (Seasonal Signals,  
Offsets, Noise properties).
- ▶ The Command Line Client:  
Overview of the Command Line Client  
(RESTful API);  
Downloading Products (Examples with  
Python).

15H30 - 16H00

## COFFEE BREAK

16H00 - 17H00

## QUESTIONS & ANSWERS

17H00 - 17H15

## CLOSING OF WEBINAR



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