EPOS
EUROPEAN PLATE OBSERVING SYSTEM

18 & 19 JANUARY 2021
14H00 - 18H00 (CET)

TCS GNSS DATA & PRODUCTS WEBINAR

HTTPS://GNSS-EPOS.EU/WEBINAR-2021/
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.

MONDAY 18 JANUARY

14H00 - 14H45

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 VERGNOLLE, 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.

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

EPOS
EUROPEAN PLATE OBSERVING SYSTEM

18 & 19 JANUARY 2021

14H00 - 18H00 (CET)

TCS GNSS DATA & PRODUCTS WEBINAR

HTTPS://GNSS-EPOS.EU/WEBINAR-2021/
CONTACT@GNSS-EPOS.EU