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## EPOS-GNSS – Current status of service implementation for European GNSS data and products

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EPOS-GNSS is the Thematic Core Service being implemented in the framework of the European Plate Observing System (EPOS) focused on management and dissemination of GNSS (Global Navigation Satellite Systems) Data and Products. The European Research Infrastructure Consortium (ERIC) has provided to EPOS a legal personality and capacity that is recognised in all EU Member States that permits to provide open access to a large pool of Solid Earth science integrated data, data products and facilities for researchers.

The GNSS community in Europe is benefiting from EPOS ERIC to create mechanisms and procedures to harmonize, in collaboration with other pan-European infrastructures (particularly EUREF), the access to GNSS data, metadata and derived products (time-series, velocities, and strain rate maps) that primarily are the interest of the Solid Earth community but ultimately benefit many other stakeholders, particularly data providers and other scientific and technical applications.

In this presentation we focus on the three main components that since last year have entered in the pre-operational phase: (a) Governance – with the aim that the entire community, from data providers to end-users, will be represented and their efforts recognized; (b) GLASS – the in-house dedicated software package developed for the dissemination of GNSS data and products with rigorous quality control procedures; (c) Products – internally consistent GNSS solutions of dedicated products (time-series, velocities and strain-rates) created from the available data set using state-of-art methodologies to be used to improve the understanding of the different Solid Earth mechanisms taken place in the European region.

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