



## **Romania, a regional testing and validation stage for integrating GNSS data and services in Earth sciences**

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Over the last years, INCDFP-RA (The National Institute for Earth Physics) was actively involved in coordination and interaction with the GNSS local and regional community in the framework of EPOS – IP (European Plate Observing System) international project, aiming to discuss the integration of existing community-specific data infrastructures and data services into a multidisciplinary platform in the domain of solid Earth sciences to be accessible to a wide range of users and stakeholders. This poster will enlighten the progresses made in Romania, presenting in detail the testing and validation stage for integrating GNSS data and services in Earth sciences. We establish communication channels for the interaction with the whole GNSS community and we managed to collect GNSS data from all the national existing networks. Participation at the annual EPOS - IP Annual Meeting and Validation Workshop, held in Bucharest, helped us to make a big step further, in research and validation of our permanent reference GPS / GNSS stations by using indexGD, a Python-developed program for indexing geodetic data, scanning, analyzing, and sending a JSON object data set to a dedicated web service, tools and scripts developed by EPOS GNSS Working Group. We aligned to the overall objectives of the project and we interconnected the contributions from scientists, research infrastructures, e-Infrastructure providers, ICT experts, managers, and communicators involved in activities for implementing data and service provision of relevance for solid Earth science and therefore, contributions from key international initiatives. The objective is also to share strategies and visions to tackle technological and scientific challenges.

Keywords: EPOS, GNSS, Earth sciences