

## **The NOANET GSAC (Geodesy Seamless Archive Centers) tool for GNSS data dissemination in SE Europe**

Panagiotis Argyrakis (1,2), Athanossios Ganas (1), and Nikolaos Sagiias (2)

(1) Institute of Geodynamics, National Observatory of Athens, GREECE, (2) University of Peloponnese, Tripoli, GREECE

Since 2013, The National Observatory of Athens (NOA) participates in a USA-EU effort to unify access to GNSS data and metadata. NOA deployed a web service created by UNAVCO along with several partners, the U.S.-based geodesy data centers GSAC (Geodesy Seamless Archive Centers; Boler et al., 2010; 2013; 2014; Meertens et al. 2013). GSAC consists of a Mysql Database which is updated and synchronized through smart Python programs with the main data repository and a full implementation JAVA code, which handles the queries from several users and outputs data in desired format (JSON, HTML, CSV, FTP WGET links etc.) (fig.1). The NOANET GSAC offers to the user 365/24/7 stability and capacity and hosts several GNSS data repositories like (NOANET, HEMUS-NET, PPGNet, CRL, NIEP, non permanent networks etc.; Ganas et al., 2011; Georgiev and Ganas, 2014). In addition it has the capability to host tide-gauge data and seismological data as well. The repository is accessed through <http://194.177.194.238:8080/noanetgsac/gsacapi/>. The NOA GSAC comprises one of key GNSS nodes for the geodetic dissemination phase of H2020 project EPOS-IP (Fernandes et al. 2014).