Consultation BDD

RéNaG

Type

TS-ANO3

Coordination

OREME Agnès LEBRE philippe.vernant@umontpellier.fr

Partenaires

EOST Jean-François GIRARD frederic.masson@unistra.fr

OSUG Nathalie COTTE andrea.walpersdorf@univ-grenoble-alpes.fr

OCA Stéphane MAZEVET lucie.rolland@geoazur.unice.fr

OMP Mehrez ZRIBI felix.perosanz@cnes.fr

OPGC Erwan THÉBAULT j.vanbaelen@opgc.univ-bpclermont.fr

OSUL Emanuela MATTIOLI marianne.metois@univ-lyon1.fr

OSUNA Eric BEUCLER stephane.durand@lecnam.net

THETA Philippe ROUSSELOT

Description

The observations from the Geodesy and Gravimetry SNOs are part of the RESIF-EPOS Research Infrastructure. GNSS data are integrated into EPOS, on the one hand via the European GNSS data portal hosted by OCA and operated under RéNaG, and on the other hand via the interoperable services of EPOS. Data products are also being developed within the framework of RéNaG and integrated into EPOS. The RENAG goals are to install and maintain over the long term a network of permanent GPS stations for scientific applications. RENAG acquires, stores, validates, distribute and analyzes data from about 75 academic stations. 18 French research teams are actively involved in the establishment of observing systems, data acquisition, in their scientific exploitation and dissemination, and their sustainability (BD RENAG). The network's objectives are to: 1) quantify the slow tectonic deformation of France, to establish the link with the moderate seismicity and to constrain models of the current deformation, thus contributing to the assessment of seismic hazard on the national territory. 2) constrain sea level variations, by separating vertical land motion from climatic contributions in tide gauge records thanks to co-located GPS stations. 3) fill a persistent observational gap of tropospheric water vapor in meteorology for the analysis of heavy rain events, for assimilation of GPS data in operational forecast models and to provide stable measurements over long periods for climatology. 4) characterize the transient deformations induced by loads (atmospheric, oceanic, hydrological). Involved observatories: - OSUG - EOST - OREME - OCA - OMP - OPGC - OSUR - OSU THETA - OASU - OSUNA - OSUL Other involved structures: - CNES - CEA-LDG - ENS Paris - DT INSU - IRSN - Cnam/Gef - SGN / IGN - LAREG / IGN - EDYTEM/ Université de Savoie - LIENSs / Université de la Rochelle Management committee: Commission des Services Nationaux d'Observations (CSNO) Web site: renag.resif.fr/