



BCSF- RéNaSS

Type

TS-ANO2

Coordination

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Description

BCSF-Renass is the national facility dedicated to the monitoring and analysis of the French seismic activity. Based on the waveform data produced by the permanent stations installed in metropolitan France (RLBP, RAP, private regional networks) and completed by openaccess stations in neighborhood countries (Germany, Switzerland, Spain, Great-Britain, Belgium, Luxembourg), the central site of BCF-Renass monitor the seismic activity of metropolitan France. It also collects macroseismic data and interpret them in terms of macroseismic intensities. For important events the BCSF-Renass has also the responsibility of the scientific report on which relies the authorities. Besides, the BCSF-Renass coordinates the GIM (Groupe d'Intervention Macrosismique – Group of macroseismic intervention), which quickly steps in the field in case of damages to estimate intensities values in epicentral zone. It includes 60 international experts from 18 organizations in France, Belgium, Swiss and Spain who have followed regular training given by BCSF-Renass and PUI (French search and rescue INSARAG team). The BCSF-Renass also produces with its partners (CEA-LDG, OSU's) a national seismic catalog based on "preferential" location and Mw estimates. Moreover BCSF-Renass observations incorporate the RESIF-EPOS research infrastructure. All seismological data acquired within the framework of the Solid Earth SNO are distributed through the RESIF-SI, the information system of the RESIF research infrastructure. The national data center of RESIF, which is connected to the European and international interoperable systems ORFEUS-EIDA, EPOS and FDSN, hosts all the French seismological data coming from the French SNO in Solid Earth. Data products associated to the characterization of earthquakes are developed on the basis of the data hosted in this center and other observational data, in particular those from the SNO Geodesy and Gravimetry; the production and dissemination of these products are coordinated by the RESIF Transverse Seismicity Action, with a very strong involvement of the BCSF-RéNaSS.