

## Available data and documentation from Observatori Fabra

Maria Teresa Merino (1), Josep Batlló (2), Jorge Fleta (2), and Teresa Susagna (2)

(1) Observatori Fabra (RACAB), Barcelona, Spain, (2) Institut Cartogràfic i Geològic de Catalunya (ICGC), Barcelona, Spain

Fabra Observatory (Observatori Fabra) is an active institution that has been operating in Barcelona since 1904. It was created and maintained by the Royal Academy of Science and Arts of Barcelona (RACAB), an association of investigators of science and its applications established in 1764. It has always been devoted to astronomical, meteorological and seismological observations and studies. Seismic observations started in 1906 and have been maintained active since then. They include instrumental registers and macroseismic data collected from a number of sources, mainly from eastern Spain. The historical archive includes seismograms and complementary documentation such as manuscript and printed bulletins, registers and station notebooks, scientific and divulgative articles in journals and periodicals, letters and scientific correspondence, printed publications from many other institutions, etc. Almost all instruments ever used in the seismic section are conserved in our small museum or still being used for different purposes. An extensive summary of our seismic historical patrimony, along with a detailed inventory up to that date, were already presented in ESC2012. Besides, the observatory has divulgation as another goal: it has a museum of used instruments, holds regular courses, conferences, scholar visits, and many other occasional activities. We are proud of maintaining our long tradition of being willing to share and collaborate in both scientific and divulgation purposes with other investigators, institutions, individuals and groups in many and extremely diverse ways.

During the last years we have increasingly devoted more of our limited resources to preserve, use and share as much of our scientific heritage as possible. An extensive summary of those projects up to that date were already presented in ESC2014. Thanks to the inestimable advice, help and support from other particular and institutions, such as ICGC and INGV, we have been able to perform record inventories, restorations, studies and scanings. In particular, we collaborated with INGV for EUROSEISMOS ([http://storing.ingv.it/es\\_web/](http://storing.ingv.it/es_web/)) and SISMOS (<http://sismos.rm.ingv.it/>) initiatives and thanks to their help and support there are already scanned near two thousand of our seismograms and almost all of the accumulated complementary documentation for the study of the seismic records (station books, notebooks with corrections, etc). On the other hand, thanks to the help and support from ICGC we have been increasing the detailed inventory of seismograms and have scanned most of the macroseismic documentation, bulletins, and other related studies. The amount of classified and scanned documents is increasing and as a next step we wish to open freely some of these records and results from finished and ongoing projects to the scientific community and general public.

Here we aim to expose the current status and projects related to the available seismograms and documentation of the seismic section of Observatori Fabra. We present this contribution to detail to a potentially interested audience the diverse available documents and data with their respective explanations and instructions to be accessed and used, specially for pre-WWSSN historical earthquakes studies.