

Da.D.O.  
(Database of Observed Damage)

WebGIS Platform for consulting and statistical processing of observed damage data on ordinary buildings that have been damaged by seismic events of national importance

## User MANUAL

### Guide to the Registration to the Platform

*\*Manual written by EUCENTRE within the framework of the Convention DPC-EUCENTRE – Operational Project WP4 (“Web-GIS platform for database management to improve damage scenarios and seismic risk assessment”).*



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## 1. Introduction

The Platform Da.D.O. (from now on only “Platform”) is a tool of the Civil Protection Department developed by Eucentre (European Centre for Research and Training in Seismic Engineering, [www.eucentre.it](http://www.eucentre.it)) to support scientific activities of forecasting and prevention. The Platform ([https://egeos.eucentre.it/danno\\_osservato/web/danno\\_osservato](https://egeos.eucentre.it/danno_osservato/web/danno_osservato)) has been designed to collect, catalogue and compare data on the construction and structural characteristics, as well as on seismic damage, of ordinary buildings and churches inspected during or following seismic events of national importance.

The platform is divided into two sections: the section dedicated to ordinary buildings and the section dedicated to churches. The first, to date, includes 12 databases relating to events: Friuli 1976, Irpinia 1980, Abruzzo 1984, Umbria-Marche 1997, Pollino 1998, Molise-Puglia 2002, Emilia 2003, L'Aquila 2009, Emilia 2012, Garfagnana-Lunigiana 2013, Central Italy 2016 - 2017 and Mugello 2019. The second one, currently, includes 8 databases relating to Umbria 1997, Molise-Puglia 2002, Piedmont 2003, Salò 2004, L'Aquila 2009, Emilia 2012, Central Italy 2016 - 2017 and Ischia 2017 events.

Although each adopted survey form has its own peculiarities, each database contains information on the general and structural characteristics of detecting buildings, and the related damage.

Compared with the original version, these databases have been further processed, including the data georeferencing. Specifically, through maps and interactive forms, the georeferencing allows to locate and display data on the damage ensuring the overlap with other types of data, such as the macroseismic. The Platform also allows the user to download databases both in the original format and in a revised and encoded format, the specifications of which are contained in the download package.

Due to the contents and the scientific purposes of the Platform, its access is reserved to qualified users and its use is allowed only for scientific activities.

The Platform has two levels of users, each of whom has his own platform access area as well as his registration process:

- **Macro-users dedicated to Institutions**, with the function also to manage sub-users of individual access. The Institution must register and wait for the administrator's authorisation to access the Platform. Once enabled, the Institution will receive the credentials that will allow the access only to the management panel of sub-users and not the Platform.
- **Individual sub-users**, after following the authorisation from the Institution to which they belong. In order to be accredited, the individual user belonging to an already accredited Institution must register as a new user and wait for being enabled by his own Institution. A user cannot register and access the Platform if his belonging Institution has not previously enabled him.

This manual provides information to Users whose Institutions have already been accredited, guiding them to register on the Platform.

For information on the accreditation of the Institutions to the Platform and related to the management of the Platform users, the *Institution Manual* can be consulted.

For the operative instructions to the Users, for the use of the data visualisation Tools as well as the criteria used for the elaboration of Tables and Maps on the Platform, it is possible to download the *User Navigation Manual*.

With regard to the purposes of the Platform and the limits and conditions of the databases use, users are required to read the *Regulations*, the acceptance of which is mandatory when registering to the Platform.

To have a correct visualisation of the Platform and its data, it is recommended to use Firefox or Chrome as browser.

## 2. Procedure for the registration of the USERS

The accreditation to the Platform is free of charge and allowed only, as specified in more detail in the Regulations, to Institutions for research and purely scientific purposes. Accredited Institutions include the Department's Expertise Centers, Regions, Universities, University Institutes and other Institutions whose purposes are consistent with the ones of the Platform. As emphasised, the use of the platform must be for research purposes and for purely scientific aims

As can be seen from the "Homepage" (*Figure 2.1*), the Platform has two reserved areas and the relative registration process:

The screenshot shows the homepage of the Da.D.O. platform. At the top, there is a navigation bar with links for Home, Map, IT, and EN. Below this is a search bar. The main content area is titled "Da.D.O. (Database of Observed Damage)" and includes a description of the platform's purpose and a list of seismic events. Two login sections are visible: "INSTITUTIONAL LOGIN" and "USER LOGIN", both with fields for username and password, and a "Login" button. There are also links for "New institution accreditation" and "New user registration".

Figure 2.1: Da.D.O. "Homepage"

- **INSTITUTIONAL LOGIN**, where the Institution can accredit itself and manage the individual access users.
- **USER LOGIN**, where the users, if the Institution is already accredited, can register and then, after the authorisation of the related Institution, access the Platform.

The registration procedure for Users is possible by clicking on "New user registration" in the area reserved for users (*Figure 2.2*). The link opens a registration form (*Figure 2.3*) which can only be filled in by personnel belonging to one of the accredited Institutions that can be selected from the list in the first field of the form.

*Figure 2.2: Area Reserved for Users (Registration)*

*Figure 2.3: User Registration Form*

In order for the registration request to be valid, it is necessary to fill in all the fields marked as required (\*required fields: First name\*, Last name\*, Place and date of birth\*, Personal identification number\* (e.g., National Insurance Number (UK), Identifikationsnummer (DE), Numéro Fiscal de Référence (FR)), Office\*, Purpose of the research\*, Phone number, Mail\*). The choice of the username is bound to the distinctive acronym of the reference Institution (such as: USERNAME.DADO@ACRONYM).

After correctly filling in the registration form, the User will have to wait for the approval of the request by the reference Institution. After being approved, at the address indicated in the registration form, the user will receive an e-mail that allows him to complete the registration: by clicking on the link in the e-mail, a confirmation page opens. Here the user must read and accept the Regulations of the Platform to

complete the procedure.

Please note that if the representative or delegate of the Institution wants to create an individual user he can not use the same e-mail used in the accreditation phase of the Institution.