

MANTOVA HBA

D.T2.3.2

On-going report about the implementation of the
Web-GIS platform in a HBA in Mantova



Mantova city centre view from Torre della Gabbia. Picture by Elena Frolidi - Mantova Municipality

PP1, with the support of PP13, is implementing a Web-GIS platform for the integrated monitoring of changes and modifications in Historic Built Areas (HBA) in Mantova. The platform is an ICT product able to collect different data through GIS technology and show them and their interactions in a user-friendly way through a specific web interface.

Mantova Municipality focuses its pilot action on social sustainability working on urban regeneration within HBA.

The platform developed is based on GIS technology and compares existing data (from different subjects: Mantova Municipality, local police department, Tea SpA – the multi-utility working within the municipality, Ministry of Culture and Art, Head of artistic and historical monuments) with new data collected from field surveys and questionnaires to citizens, city users, associations and groups of interests acting within HBA.

The data from citizens/associations/groups of interests are collected through an on-line platform allowing users to indicate the area/street/building they consider subjected to decay.

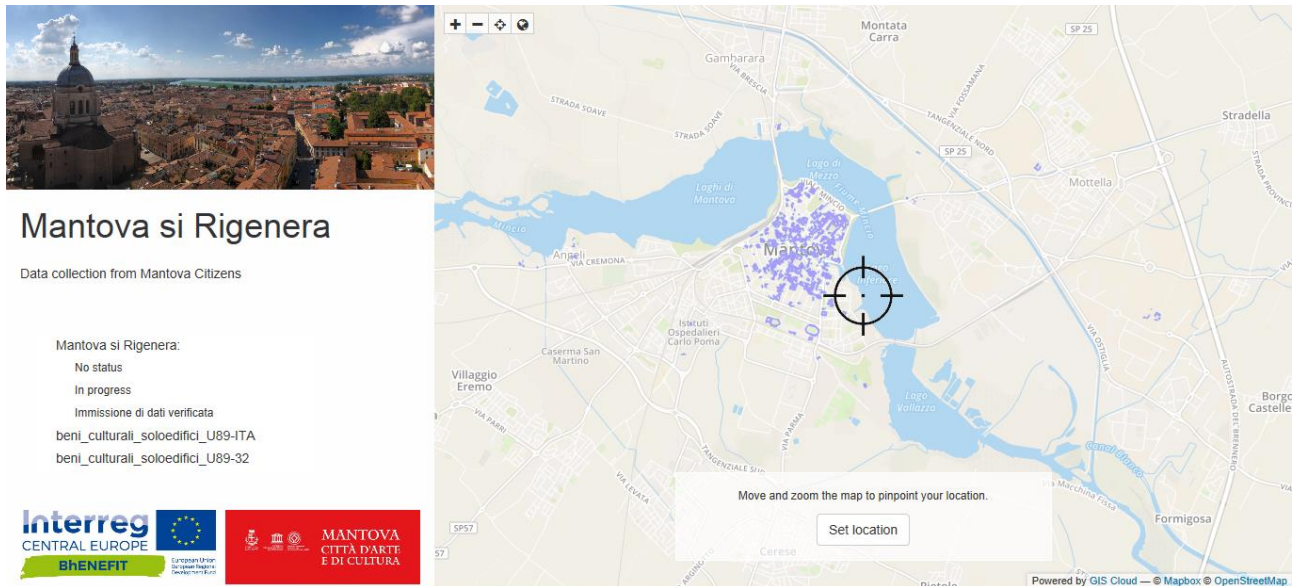
The intersection on new and existing data will help the local authority to take strategic decisions about areas to be regenerated.

Front - Office: data from citizens

The platform, in its front-office, collects data from citizens/group of citizens/associations.

The users could identify the interested area (street, road or building).

<https://mantovasirigenera.giscloud.com/>



Once identified the area of interest, the users will be guided in the registration and filling in of the questions mask: identification data about the single person/group/association, close answers (just in few cases open) about the alert. The first step (identification of the subject sending the alert) is crucial for the answer of the questions that are customized per category).

Annex 1: the draft questions mask.

Back – Office: the cross-analysis

The back-office will analyze data collected from citizens (the mask is connected to shape files and every answer cell will produce a single data to be analyzed) in correlation with other data:

- Building conditions: field surveys on city centre HBA buildings (public and private) collecting informations about level of usage, ground floor usage and building predominant use (residential, business, commercial, ...), facades level of conservation, presence of abandoned or unfinished building sites, construction codification data;
- Basic data about building use;
- Services and facilities (use of objects within land-use plan);

- Tourism impact (visits, permanence, accommodation);
- Data about inhabitants;
- Public spaces costs.

The cross analysis will allow the Municipality to identify regeneration interventions for a sustainable management of HBA.

Annex 1: draft questions mask

