SHERPA Project

"SHared knowledge for Energy Renovation in buildings by Public Administrations"

SHERPA Working Group 2 (WG2) Information System's results

Description of the Working Group's objectives (#1)

WG2's main objective is to provide a common Information System for the collection and analysis of building data from Regional public administrations and to replicate it with Municipalities's buildings. This has to be done respecting the strategic operative and policies of the EU and Regions for the Energy Renovation of Buildings (ERB).

In order to fully exploit the advantages of this approach, some specific objectives have been implemented while developing the Information System:

- Implement and test various data collection methods to match the requirements of 8 Mediterranean Regions;
- Transfer of progressively larger batches of building data;
- Collect data from approximately 1,000 buildings in total;
- Explore collected data, detect and fill any existing gaps;

- Design and implement appropriate analytics and produce useful results for the elaboration of the ERB projects;
- Analyse the results together with the Regions' feedback and implement gradual improvements of the Information System;
- Produce conclusions and recommendations for further steps.

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The Working Group's methodology (#2)

Steering Committees led by CIMNE and represented by one Member of each Region were organised. This methodology enabled the planning and the operative execution of the tasks and liaising of activities with other Working Groups.

During these meetings, activities were defined according to the identified specific objectives, to ensure achievement of the final objectives.

- Individual teleconference meetings between CIMNE and the 8 Regions with the purpose to:
  - Understand the local organisation structure, get to know the local team and the responsibilities each member has in the organisation;
  - Identify particular pilot requirements and needs for data analysis;
  - Identify the availability of data and the technical possibilities for bringing it to the SHERPA Information System.

- Monthly teleconference meetings for all participants to coordinate and follow up the progress of work:
  - Control the progress of work in each pilot Region;
  - Analyse the problems and set operative targets;
  - Clear doubts in using the Information System;
  - Report new developments.

- Face-to-face meetings during the Project Steering Committee meetings:
  - Coordination with the other Working Groups;
  - Strategic objectives, fulfilment analysis and planning;
  - Control of work progress.

- Online demonstrations of the Information System:
  - Interactive demonstration of the Information System features;
  - Training, Questions & Answers;
  - Personalised support by email;

  Answering specific questions and solving problems.

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The Working Group's key products/outputs (#3)

The work of the WG2-Information System started with the initial version of the Information System provided by CIMNE and significantly improved it by enabling functionalities that potentiate its capabilities to support decision-making and strategic planning for building renovation in the public administrations.

The achieved improvements have been the fruit of the gathering of considerable amounts of building data and by the valuable feedback of the pilot in the use of the Information System. As a result, the Information System has been prepared for the extended use for municipality's buildings.

During the testing periods, Regions have introduced 1013 buildings within the Information System, the major share of which corresponds to the Lead Partner DTES (Catalonia) and IVE (Valencia). This included 100 Regional pilot buildings selected for preparing of projects with proposal of financing operative schemes, and the rest of buildings have been introduced to ensure the bulk of buildings necessary to enable the data-driven approach the project.

The Information System features, developed and improved, include:

- Easy uploading of data from users enabled through a variety of automated methods and possibility for manual uploading through Excel files;

- User Tutorial incorporated in the web application of the SHERPA's Information System. The tutorial explains step-by-step the procedures in an accessible way for non-expert users;

- Menu and back-office redesigned to allow each organisation to define its particular structure and individual users;

- A comprehensive set of building construction and used typologies based on widely recognised classifications developed, incorporated and use as a base for the benchmarking;

- A comprehensive set of Energy Efficiency Measures developed and incorporated, reflecting all measures required by the pilot's Regions;

- Benchmarking re-designed and extended to enable comparatives across organisations and according to multiple criteria;

- Detection of erroneous information uploaded to the system through outlier check and the possibility for the user to check the uploaded raw data;

- Enabling of data exporting capabilities allowing re-use of the data from the database in external reports. Includes graphics, benchmarking and data tables.

ANNEX: **WG2 telcos' minutes**

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