

The Efficient Buildings Community

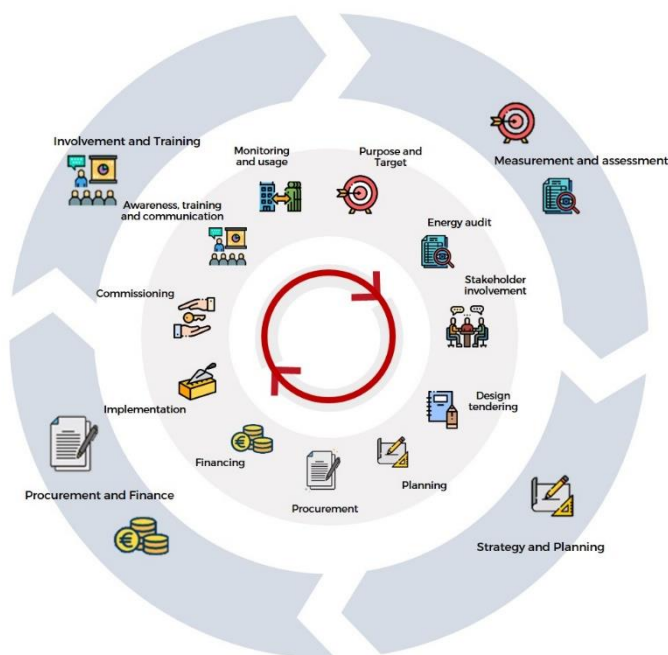
Technical Paper

MED Methodologies, Tools and Indicators

*The Efficient Buildings Community aims to establish a joint transnational framework, raise awareness and learn from other experiences to reinforce a common understanding around energy efficiency in public buildings in Mediterranean's regions.

As nearly 40% of final energy consumption in Europe is in buildings, this must be a priority sector for energy efficiency policy. Some European Directives (EPBD and EED) set minimum energy performance requirements and stress that public administrations have an exemplary role.

The Efficient Buildings Community* gathers experiences in energy efficiency in public buildings from practitioners in the Mediterranean area. This factsheet gives an overview of available methodologies, tools and indicators developed by the MEDNICE Community members to support Public Administrations in every stage of Energy Efficiency projects in Mediterranean Public Buildings.



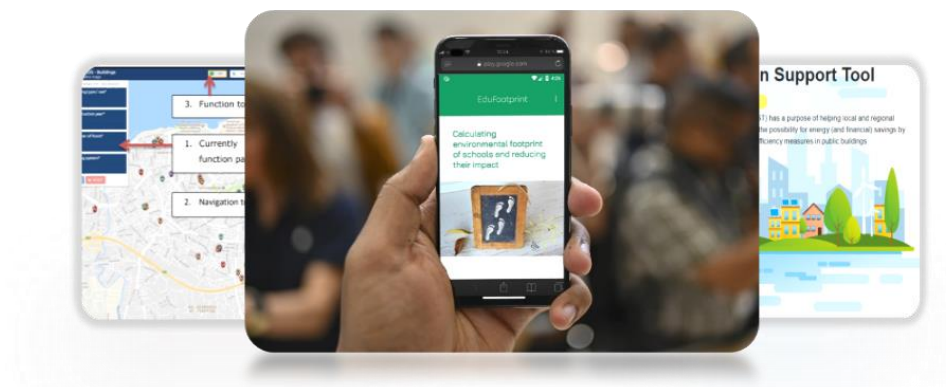
Stages of a building project (source: own elaboration)

Facing a particular stage of an Energy Efficiency project requires for adapted knowledge. In the MED Efficient Buildings Community useful methodologies and tools, as well as the most appropriated indicators to define objectives and assess the success of EE project could be found:

- A large number of methodologies, which covers most of the detected stages;
- About 150 tested indicators, grouped by categories;
- More than 20 ready to be used outcomes to support the different stages of the process

TOOLS TO FACILITATE THE IMPLEMENTATION OF PROJECTS

Moreover the introduced methodologies are ready to support Public Administration in specific cases, like analyzing the Public Building stock, engaging stakeholders, assessing the needed sources to finance projects or listing possible Energy Efficiency measures. Besides, some indicators are integrated in the tools, thus allowing joining different stages in a continuous process.



Examples on web services, mobile apps, and decision support tools, free available (source: IMPULSE, PrioritEE and EduFootprint MEDNICE MPs)

OUTCOMES ANALYSIS AND PRIORITIZATION

In general, the developed outcomes have been successfully implemented in the Mediterranean area. Nevertheless to ensure the long-term renovation of building stock it's necessary to intensify the implementation of the outcomes in local administrations and to transfer the successful experiences to national authorities who can advocate for a strong regulatory Framework taking into account Med specificities.

As a consequence a fourth-step methodology was developed to effectively study the outcomes from different perspectives as follows:

- **1st Phase Base classification:** the initial step conducted during MEDNICE classified the outcomes according to the type of resource (tool, methodology, platform and e-learning), the scope (from planning to commissioning) and the target (from national public authorities to school users).
- **2nd Phase Replicability:** identified six different aspects to analyze the replicability of the outcomes:
- **3rd Phase Inter-variable classification:** interweaved the relation between resources, target audience, maintenance and autonomy.
- **4th Phase Developers' engagement:** incorporated the producers' engagement and detail adaptations requirements for final results including language adaptation, technical minor or major adjustments and budget and availability of the partners.

As a result of the analysis a catalogue of the more relevant outcomes was developed.

More detailed information is available in full technical paper and Modular Projects' websites.

Full technical paper:
<https://bit.ly/2pwSIRq>

Efficient Building Community:
<https://efficient-buildings.interreg-med.eu>

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