

DORéMI

KEYWORDS:

- Building culture
- Construction
- Closed loops
- Governance
- Planning Tools
- Ecology
- Energy efficiency
- Indicators
- Mobility
- Technology transfer

TARGET GROUP:

- Architects
- Builders
- Citizens
- Craftsmen
- Home Owners
- Planners
- Politicians
- Policy Makers



Results and outcomes (use cases):

DORéMI ("Dispositif Opérationnel de Rénovation des Maisons Individuelles") is a training-action tool which aims to stimulate the market for low energy renovation of single-family homes, in the interest of the territories, citizens and SMEs. The methodology addresses both the offer (competence development of SMEs) and the demand (encourage building owners to undertake renovation).

The expected outputs of the tool are to:

- Provide territory with a network of local SMEs able to carry out very low energy

renovation work.

- Decrease the cost of low energy renovation.
- Improve the quality of low energy renovation.
- Increase the number of low energy renovations within single-family homes which represent 10% of national energy consumption.

This tool can be implemented at a territory level, by a community of municipalities for example.

Description: DORÉMI has been developed by Enertech and Negawatt institute. It's being tested in the Biovallée territory since early 2012 with the support of the Rhone-Alpes region. The aim is to train 5 SMEs consortia, to analyze 20 houses and to retrofit 10 of them. DORÉMI scheme consists of 3 main steps:

1. Training of SMEs on the following topics: energy efficiency, create and work as a consortium, cost efficiency, STR= Solutions Techniques de Références (Technical Standard Solutions), financial scheme for building owner and commercial skills.

2. Technical support of SMEs on worksite (including airtightness blower door test for quality control and educational purpose).
3. Awareness raising campaign towards building owners.

In 2012, 7 SMEs consortia (=70 SMEs) have been created and trained (Step 1). During the first semester in 2013, architectural and technical diagnosis have been carried out on the first selected houses. Other projects will begin gradually in the coming months in order to complete the renovations in 2014. A complete feedback (Cost/Performance) will be produced.

Relevance for inter-municipal planning (AlpBC):

DORÉMI tool is built for being implemented at territory level (several municipalities). As tool for building renovation planning, it addresses both spatial and energy topics. Including an architectural diagnosis in its methodology, DORÉMI can contribute to implement renovation solutions which preserve older buildings and ensure good integration in the landscape.

Through the implementation of standard solutions, the building owners (and the plan-

ners) can anticipate the final performance of their building. This indicator (consumption/m²/year) is helpful for monitoring energy savings at territory level (for planners) but also for building a financing plan (building owner).

But DORÉMI is above all a tool to develop the knowledge of SMEs in energy efficiency and up-to-date renovation techniques. Depending on territorial specifics, local material and know-hows can be promoted.

Relevance for policy goals (Alpine Space, Europe and the region):

Implementing DORÉMI contributes to the sustainable development of the territory for several aspects: it provides a sustainable network of experienced SMEs able to address a massive building energy renovation, it stimulates job creation in the building sector and it addresses the energy precariousness by promoting affordable renovation solutions as well as secured financing schemes.

DORÉMI also proposes an innovative way of working for building SMEs: through more cooperation and better knowledge of other construction jobs, it encourages the emer-

gence of innovative solutions as well as a better solidarity within craftsmen. Furthermore by developing their commercial skills, they improve their image among building owners which are indeed more trustful and keen to undertake very high performance renovation. All actors are by consequence in a win/win relation and energy saving is no more seen as constraints.