

MED Building energy efficiency and EU programs 2014-2020



MARIE

MEDITERRANEAN BUILDING
RETHINKING FOR ENERGY
EFFICIENCY IMPROVEMENT

ELIH-Med & MARIE Common capitalisation

Lead Partners:

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Project co-financed by European Regional Development Fund -ERDF



Contents

- MARIE & ELIH-Med
- Synergies and common capitalisation
- Policy Paper



ELIH-Med and MARIE projects


General context:

- Need for achievement of **EU2020 Energy Efficiency objectives** and difficulties for MED space countries to reach them
- The **energy renovation of buildings** trend in MED regions buildings is 2 or 3 times lower than the EU average



MARIE PROJECT


Objective:

- Establish the socio-economic conditions for Energy Efficiency (EE) improvement in the MED. Building Stock in the framework of EU policy objectives, overcoming barriers and creating sustainable development opportunities in the MED region.
- 
- To reach **effective political and institutional commitments**;
 - **To support local SMEs** involved in MED building stock energy renovation;
 - **To promote new legislative and financial measures.**



ELIH-Med PROJECT

Objective:

- Increase energy efficiency of buildings in the MED space
- 
- Focus on **low income housing**
 - Test of **innovative technical solutions** and **financial mechanisms** backed with ERDF
 - Develop **energy efficiency policies** in low income housing in the Med area



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MARIE PROJECT: general info

Lead partner: Department of Territory and Sustainability, Generalitat of Catalonia, *Spain*

IASA (Institute of Accelerating Systems and Applications), *Greece*

ACC10. Agency to Support Catalan Companies, *Spain*

Region Umbria, *Italy*

Region Provence-Alpes-Côte d'Azur, *France*

Consortium AREA for scientific and technologic research of Trieste, *Italy*

University of Evora, *Portugal*

ANKO (Regional Development Agency of Western Macedonia S.A.), *Greece*

Region Basilicata, *Italy*

Piedmont Region, *Italy*

ARE Liguria (Regional Energy Agency of Liguria), *Italy*

Lima (low Impact Mediterranean Architecture Association), *Spain*

UMAR (Union of Mediterranean Architects), *Malta*

IREC (Catalonian Institut for Energy Research), *Spain*

LCA (Local Council Association of Malta), *Malta*

EPSA (Public Land Agency of Andalusia), *Spain*

University of Ljubljana, *Slovenia*

CRMA (Chambre Régionale de Métiers et de l'Artisanat), *France*

GOLEA (Goriska Local Energy Agency), *Slovenia*

EFFINERGIE, *France*

Bar Municipality, *Montenegro*

Lamaca Municipality, *Cyprus*

**MARIE Project Consortium:
9 Mediterranean countries
23 partners**

TOTAL BUDGET 6.059.120,00 euro



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MARIE PROJECT: organization

WP1 Technical coordination, Economic Management and External projection

WP2 Communication, information and professional training

WP4 Demand Side

4.1 – Innovative measures and tools for increasing EE in buildings

4.2 Legislative and financial measures program

Regular Communication between WP4, WP5 & Pilot Actions to identify and exploit synergies

WP 5 Supply Side

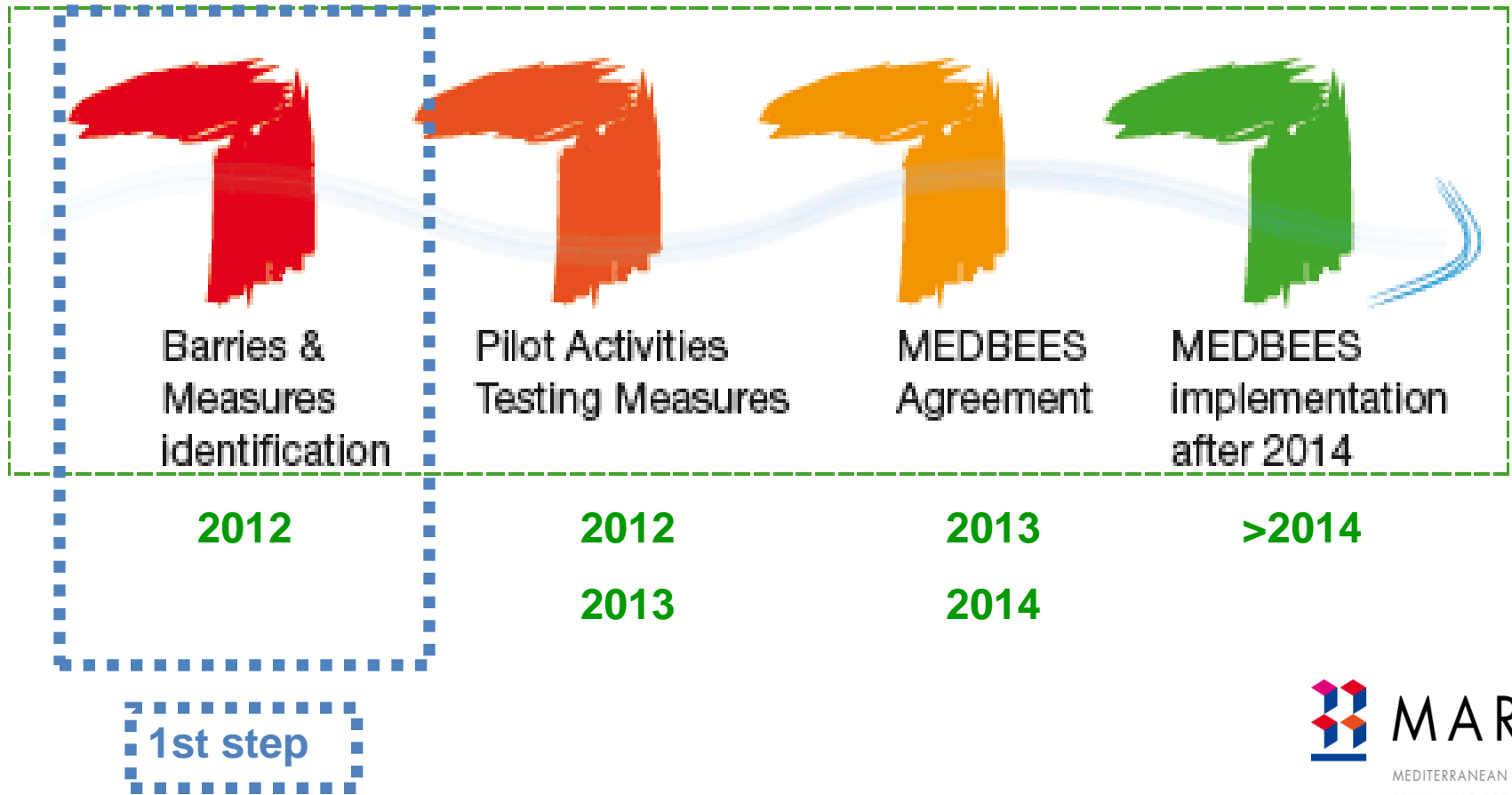
5.1 Measures and tools to support innovative techniques, materials and processes

5.2 Local SMEs support measures program

MEDBEE Strategy
WP3 Capitalisation

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MARIE PROJECT: steps



ELIH MED project: Geographic coverage

- 19 partners in 7 countries:
 - Spain
 - France
 - Italy
 - Greece
 - Slovenia
 - Malta
 - Cyprus

TOTAL BUDGET: 9 million euros



ELIH MED project: main activities

- Development of integrated policies to promote energy efficiency in low-income housing in the Mediterranean
- Large scale experimentation of technical and financial solutions in 420 dwellings to improve energy efficiency in low-income housing
- Promotion of intelligent energy management systems at local and regional level through the experimentation of multi-energy smart meters in 135 dwellings



ELIH MED project: Why focus on low income housings?

- 30 to 40% of Mediterranean households
- Poor thermal performance of dwellings
- Key targets to reach EU2020 objectives
- Low income housings as « far to reach » with traditional and current energy efficiency policies
- No major social housing operators (with the exception of France)
- Limited access to credit
- Limited effect of tax incentives



ELIH-Med and MARIE

Synergies and Common capitalisation: what for?

- Create synergies and cumulative effect, gathering energy efficiency projects results and outputs
- Mutualise the capitalisation resources to target key decision-makers
- Share and convey a same vision of barriers and needed investments
- Converge on solutions to achieve EU2020 and propose recommendations to be included in the next programming period documents and rules



Which common capitalization for ELIH-Med and MARIE?

- Origin
 - Proposal done by both projects in their application forms
 - Recommendation of the MED Selection Committee
- Planned activities
 - Produce a common **policy paper** on “MED building energy efficiency improvement” (first draft in November 2012)
 - Organize common events and workshops
 - Create and develop an internal committee for coordination (4 meetings per year)
- In 2012
 - Common answer to EC Consultation Paper (sent by 18th May 2012)
 - Summary of policy paper and distribution of work (May 2012)
 - 2 common event in Turin (23rd May 2012) in Brussels (22nd November 2012)
 - 4 internal committee meetings (in January Barcelona, in March Marseilles, in May Turin and in October in Malaga)
 - Second draft of the Policy Paper agreed by all 41 partners (November)



From local pilot project to Europe



ELIH-Med, MARIE and PROFORBIOMED Synergies and Common capitalisation

Today PROFORBIOMED (MED Strategic project dealing with forestry biomass promotion), MARIE and ELIH MED coordinators will sign an agreement to establish several lines of common work.

-Implementation of policy actions oriented to :

- promotion of the use of forest biomass for energy generation (heat or CHP) in buildings
- promotion of the energy renovation and the energy efficiency improvement of buildings, especially when it includes the use of forest biomass for energy generation (heat or CHP)
- To support Policy Papers, Position Papers, Policy Proposals or any other policy action of common interest
- To Seek opportunities for collaboration in the design of pilot actions of common interest and the capitalization of their results. The parts commit that at least one pilot action will be commonly planned.
- To design joint dissemination actions within the scope of the common interest for guaranteeing a relevant impact of the three projects.



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Policy Paper: Improving MED transnational cooperation. Answers to Energy Efficiency in Buildings Challenges . Contents

The Policy Paper first draft is available now in: www.marie-medstrategic.eu and in www.elih-med.eu

structured in 6 chapters and 3 annexes:

- Introduction
- MED Context
- Proposed strategy: Improving energy efficiency in buildings in the med space
- Recommendations for next EU programming in med space
- EEB priority and cooperation innovations
- Conclusions and 4 annex



Policy Paper: Improving MED transnational cooperation. Answers to Energy Efficiency in Buildings Challenges . Objective

The Policy Paper aims to propose to the Managing Authority of the MED programme a consensus-based set of recommendations to contribute to the next programming period preparation, providing answers to the challenges related to energy efficiency in buildings shared by the Northern Med territories regions and countries.



Policy Paper: Improving MED transnational cooperation. Answers to Energy Efficiency in Buildings Challenges . Barriers

One of the main results of the MED context analysis has been the definition of 14 main barriers in relationship with the proposal of strategic lines to overcome it. For example:

Current energy prices not reflecting the real (environmental and social) cost of energy, rendering energy efficiency less profitable

The energy market in buildings evolution shows a general increase on prices but there are a lot of external costs (as pollution, climate change, and other environmental and social risks) not enough integrated in the market prices.

In this context dwellings' users and owners do not consider the energy cost as something important in their daily decision as consumers.

SL 3.2 Create and develop a series of incentives to overcome the market barriers



Policy Paper: Improving MED transnational cooperation. Answers to Energy Efficiency in Buildings Challenges

- MARIE and ELIH-Med 41 partners promote Energy Efficiency Improvement of Mediterranean Buildings and have agreed to assist the EU Commission in the preparation of the next programming period 2014-2020
- A common strategy for Energy Renovation of the Mediterranean buildings has been elaborated with 14 strategic lines in 4 axes:

Territorial and financial governance

Competitiveness, economic activities and employment

Market Activation

Smart energy management systems and services





**Management
barriers**

**EU
20/20/20
Building
stock**

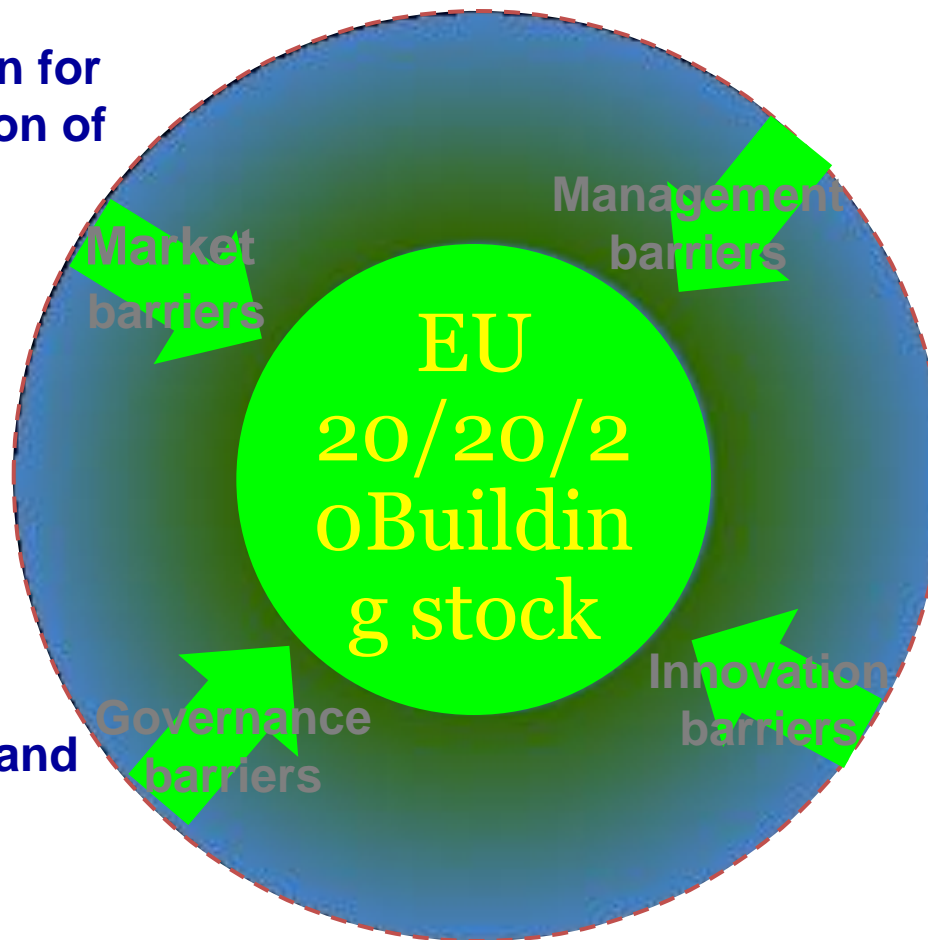
**Market
barriers**

**Innovation
barriers**

**Governance
and financial
barriers**

Market activation for energy renovation of buildings

Smart energy management



BEE territorial and financial governance

Competitiveness, innovation and employment



4 Axes and 14 strategic lines operating at the same time

BEE territorial and financial

Governance

- Articulation of EEB policies
- Implementation of EEB policies
- Development of financial engineering capabilities
- Development of inclusive policies

Competitiveness, innovation and employment

- Creation of EE economic ecosystems
- Training for Impact projects
- Use of public procurement
- Innovative initiatives in social economy sector
- Encourage and finance research

Market activation for energy renovation of buildings

- Raise awareness among major stakeholders
- Incentives to overcome market barriers
- Lower the financial risk

Smart energy management

- Improve information availability
- Interconnected intelligent energy management systems



Policy Paper: Improving MED transnational cooperation. Answers to Energy Efficiency in Buildings Challenges. Resources

To execute such strategy a first estimation of resources needed to reach increase 20% energy efficiency in MED buildings sources has been done.

STRATEGIC AXE	Investment costs	Management costs / year
1. TERRITORIAL AND FINANCIAL GOVERNANCE	90.478.450.000 €	11.270.000 €
2. COMPETITIVENESS, ECONOMIC IMPACT AND EMPLOYMENT	2.911.020.000 €	6.370.000 €
3. MARKET ACTIVATION	21.563.560 €	1.2250.000 €
4. SMART ENERGY MANAGEMENT SYSTEMS AND SERVICES	26.700.000 €	2.695.000 €
TOTAL	93.437.733.560 €	21.560.000 €



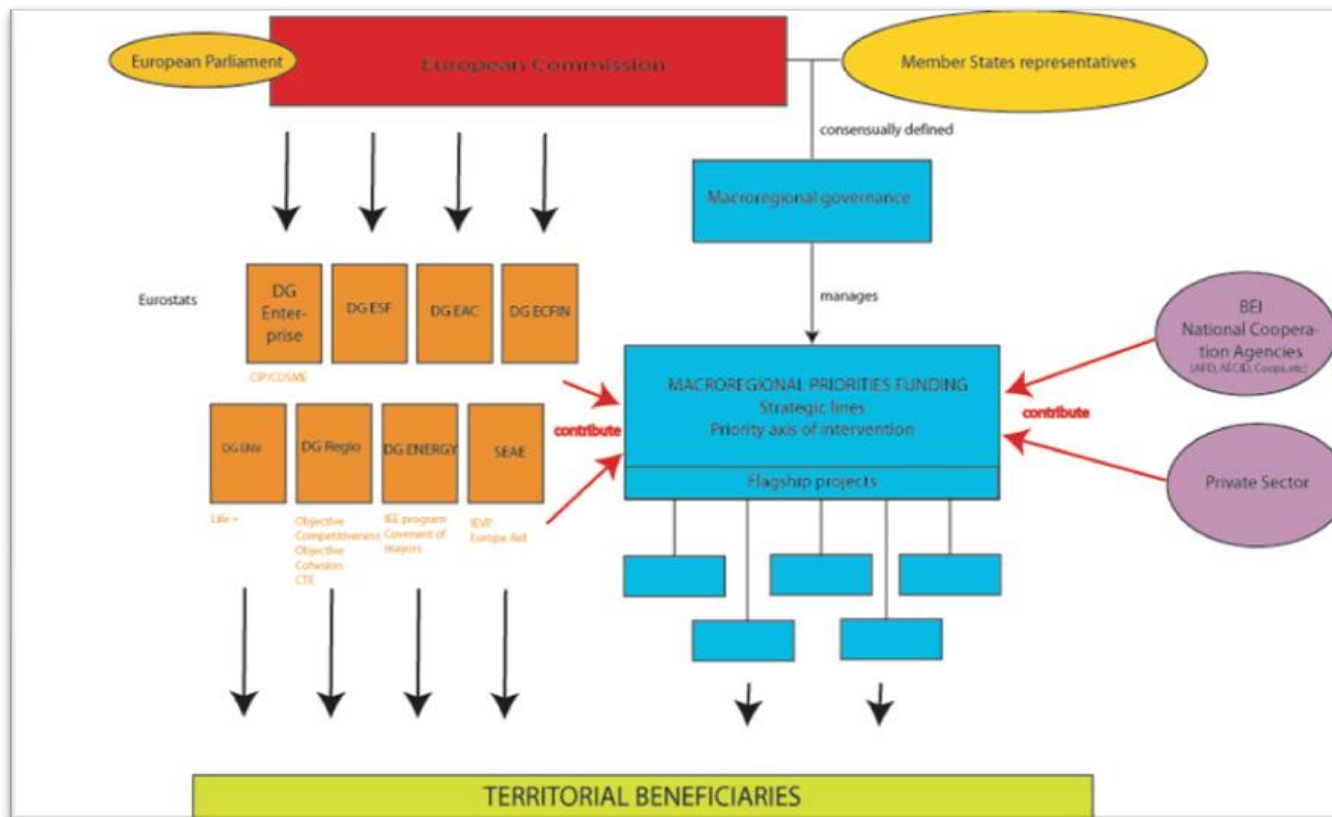
Policy Paper three main recommendations

- Reinforce coordination between MED program and the rest of EU Programs dealing with Energy Renovation of Buildings
- Facilitate the progressive implementation of 14 strategic lines for action to the 49 regions and 1.940 cities in the MED Area
- Promote coordination among Mediterranean States, Regions and Cities giving to the Regional Public Administrations a hinge role according to the property of buildings



Policy Paper three main recommendations

- Propose the macroregional approach as main organization tool to concentrate efforts and funds



Policy Paper potential impacts

- It has been estimated that the development of the Policy Paper Strategy between 2014 and 2020 will suppose in MED Space:
 - The creation of 1,5 million new jobs
 - An investment of 95 billion Euros
 - Increase of 20% in MED Buildings Energy Efficiency



Policy Paper: next steps

- At the end of 2012 MARIE, ELIH MED & PROFORBIOMED will present officially to MED Management Authority the Policy Paper proposing the organisation of a Working Group with EU Commission in order to discuss and validate the strategy and policy paper
- If EU Commission is interested considering Policy Paper as a first Transnational Strategy in the framework of New EPDB Directive Implementation one or two technical meetings will be prepared and developed.





Thank you for your attention

Project coordinators:



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