

New4Old's target groups, tools and Events



New4Old addresses the general public, political decision makers, developers, planners, architects, building engineers and construction companies and real estate, in order to ensure capacity building of the respective market actors.

Tools will be disseminated through the New4Old's marketing & dissemination campaign :

- "Lessons learned" brochure including monitoring results of the existing Renewable Energy House in Brussels
- Publications on 5 Renewable Energy Houses (REHs) in the EU-27
- Project Newsletter
- Renewable Energy Houses' intranet and Internet site

Technical guidelines for RES & RUE integration in historic buildings will be made available for architects and planners:

- Executive summary of technical guidelines for architects & planners
- CD-ROM of technical guidelines for RES & RUE integration in buildings

Events and Training opportunities will be organized:

- Study tours and exchange of guides
- Yearly Open Days around the 5 REHs
- 5 thematic one-day workshops (on RES heating and cooling, RES electricity production in buildings, Building integration in historic buildings, Energy efficiency, Building Management Systems)
- Workshop for real estate agents & real estate investment funds
- Final conference, Brussels

with the support of Intelligent Energy Europe

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**NEW ENERGY FOR OLD BUILDINGS –
Promoting the integration of RES & RUE
measures in historic buildings**

with support from



BACKGROUND

The EU energy policy's challenge of today is how to use and produce energy in an efficient and sustainable way to ensure both security of supply, environmental protection and competitiveness for the benefit of all. In this context, Europe's Heads of States agreed to a binding 20% share of renewable energy by 2020, and together with the agreed 20% energy efficiency target as well as the 20% greenhouse gases reduction target, a sound basis for a sustainable policy focusing on both demand and supply measures was laid.

EU sustainable energy policy framework relating to buildings

Buildings are at the core of sustainable energy policy as long as the sector keeps accounting for 40% of the EU's energy demand. Different approaches are proposed with the ultimate objective of reducing energy demand and the use of fossil fuels in Europe's buildings. Among the main Community legislation for the sector are the Boiler Directive (92/42/EEC), the Construction Products Directive (89/106/EEC) and the buildings provisions in the SAVE Directive (93/76/EEC). **The Directive on the energy performance of buildings (2002/91/EC)**, in force since January 2003, builds on those measures with the aim of increasing the energy performance of public, commercial and private buildings in all Member States. The Directive sets minimum energy efficiency requirements for new buildings and existing buildings of over 1000 m² undergoing major renovation. Sellers and landlords have to provide prospective buyers and tenants with **Energy Performance Certificates**.

NEW4OLD

New energy for Old buildings – Promoting the integration of RES & RUE measures in historic buildings



With environmental issues now firmly embedded into the political mainstream, the building sector faces the inevitable challenge of producing more efficient buildings whilst at the same time responding to ever more demanding occupants in terms of comfort.

Furthermore, there are a huge number of **historic buildings in Europe** wasting large amounts of energy. Some of them are under threat of demolition. This retrofitting market deserves very particular attention within a sustainable architecture approach, with regard to sustainable energy development and historic building protection. So far, little work has been done on how to best integrate energy efficiency & renewable energy technologies into historic buildings. Ambitious and encompassing energy concepts need to be developed. They require close collaboration between the market actors to substantially reduce GHG, increasing both energy efficiency and renewable energy penetration into the building sector.

Therefore, the necessity to foster energy efficiency, to demonstrate new renewable energy and energy efficiency technologies becomes obvious.



New4Old is a European funded Project in the framework of the Intelligent Energy for Europe Programme (IEE). New4Old aims at facilitating the integration of renewable energy and energy efficiency technologies into historic buildings and contributing at the same time to the protection of historic buildings.

New4Old is carried out by the following partners:

- European Renewable Energy Council (EREC), coordinator
- Global Renewable Energy and Conservation Trust (GRECT)
- 3E Engineering, Belgium
- Institute for Sustainable Technologies (AEE INTEC), Austria
- Institute for Thermodynamics and Thermal Engineering (ITW), University of Stuttgart, Germany
- National University of Ireland (NUID), Ireland
- National and Kapodestrian University of Athens (NKUA), Greece

The Renewable Energy House (REH) occupied by EREC and its members is a showcase for integration of innovative renewable energy & energy efficiency technologies in a 120 year-old listed building which was recently refurbished.

To meet its objectives and build upon this experience, New4Old is going to develop a **network** of similar houses within the EU Member States with the objective to **create a focal point for renewable energy and energy efficiency** measures in these countries.

As a partner, GRECT is going to identify sites and partners to set up Renewable Energy Houses in Europe.

The Belgian Private Foundation GRECT set up and chaired by Prince Laurent of Belgium is a non-profit organization aiming to preserve over time historical and architectural patrimony for future generations.

In order to contribute to protect this patrimony and to save energy in buildings, GRECT provides a full-range of services to the public and private institutions becoming partners. Those services consist in development of both financing and energy tailor-made concepts allowing old buildings to be refurbished, listed as historical buildings and become focal points for Renewable Energy and Energy Efficiency.

GRECT acquires the buildings from interested public authorities or private institutions and, after completion of the works, lets the building to these for a long term period (from 27 to 99 years).

Should any public authority or private institution be interested as a potential partner, please get back to GRECT for further information. Contact info@grect.org

