

THE FOCUS OF THE PRESENT WORKSHOP ABRACADABRA: CHALLENGES AND OPPORTUNITIES ON ADD-ONS IS MAKING THE CHANGE IN DESIGN DECISIONS WHEN APPROACHING THE THEME OF ENERGY RETROFITTING IN EXISTING BUILDINGS

Europe's energy efficiency challenge in buildings mainly concerns the energy efficient refurbishment and investments in its existing buildings. Yet, today, only 1,2% of Europe's existing buildings is renovated every year.

The actual investment gap in the deep renovation sector is due to the high investments required up-front, generally characterized by an excessively high degree of risk, long payback times and a general "invisibility of the energy benefit".

ABRACADABRA is based on the prior assumption that substantial increase in the real estate value of the existing buildings can play a key role in the deep renovation. The project aims at:

- The reduction of the pay back time of the energy retrofit interventions;
- The strengthening of the key investors' confidence;
- The increasing quality and attractiveness of the existing buildings'
- The concrete market acceleration towards the nZEB

Therefore, ABRACADABRA aims at demonstrating to the key stakeholders and financial investors the attractiveness of a new renovation strategy based on volumetric Add-ons and Renewables (AdoRe) intended as one (or a set of) Assistant Building unit(s) - like aside or façade additions, rooftop extensions or even an entire new building construction - that "adopt" the existing buildings (the Assisted Buildings) to achieve nearly zero energy. The creation of these new Assistant Buildings' Additions integrated with Renewable Energy Sources aims at reducing the initial investment allocated for the deep renovation of the existing building creating an up-grading synergy between old and new.

The ABRA strategy results in the implementation of a punctual densification policy that aims at fostering the investments in deep renovation of the existing built environment throughout Europe. Our goal is to provoke a legislative and market earthquake accelerating the revolution towards nearly Zero Energy in existing buildings.

More information at:
<http://www.abracadabra-project.eu/>

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ENERGY DAY IN THE FRAMEWORK OF THE ENERGY WEEKS

<http://eusew.eu/energy-days/abracadabra-1st-international-workshop>

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- SOCIEDAD ARAGONESA DE GESTION AGROAMBIENTAL SL
- CHERNOMORSKA REGIONALNA AGENZIA ZA UPRAVLENIE NA ENERGIJATA

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Assistant Buildings' addition to Retrofit, Adopt, Cure And Develop the Actual Buildings up to zeRo energy, Activating a market for deep renovation

INTERNATIONAL WORKSHOP

Challenges and Opportunities of Add-Ons in Deep renovation of existing buildings

BOLOGNA,
23-24 JUNE 2016

PALAZZO MAGNANI,
Via Zamboni 20 - Bologna

hosted by



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Bologna, 23-24 June 2016
Palazzo Magnani, Bologna



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23 June Project Meeting (Project Partners only)

09.00 - 12.30 Project update and planning

23 June Plenary session

14.00 - 18.30 Scientific paper presentations

Chairman: Prof. Henk Visscher - Delft University
Co-Chair: Niki Gaitani, University of Athens
Speakers: selected papers authors

19.30 Welcome cocktail

24 June Plenary session

9.00 - 9.30 Salutation

Prof. A. Boeri - Dean of the Department of Architecture,
University of Bologna
Prof. Antonino Rotolo - Vice Rector University of Bologna
Dott. Giovanni Braccini - Corporate Manager, Unicredit Bank
Dott. Alessandro Zamboni - Aric University of Bologna

24 June Plenary session

9.30 - 16.00 Keynote speakers

9.30-9.55 Deep Renovation in existing buildings – the
ABRACADABRA strategy
Prof. Annarita Ferrante – University of Bologna

9.55-10.20 Energy-Efficient Building Retrofits: An Assessment of
Regulatory Proposals under Uncertainty.
Afzal Siddiqui - University College London

10.20-10.45 A multi-benefit approach in the energy renovation of
the EU building stock
Alise Corovessi - Institute of Zero Energy Buildings

10.45-11.10 Building confidence in the business case for deep
retrofitting
Matt Pumfrey / Steven Fawkes - Energy Pro

11.10-11.40 Coffee break

11.40-12.05 The ESCO-Construction Company model
Dzintars Jaunzems - RENESCO

12.05-12.30 Financing Energy retrofit of the housing stock: good
practices from France
Laura Vanhuè - Financial Expert and consultant in Energy Efficiency

12.30-12.55 Instruments and incentives in the regulative framework
at Regional, National and International level
Morena Diazzi, Attilio Raimondi - Emilia Romagna Region

12.55-13.20 Volumetric bonus and Legislative incentives for Add-
ons
Marco Corradi - Housing Europe

24 June Plenary session

13.20-14.30 Lunch break

14.30-14.55 Case study presentation, EU Project E2Rebuild
Florian Lichtblau - Lichtblau Architekten

14.55-15.10 EU Project PADOVA FIT!
Michele Zuin - Padova Municipality

15.10-15.25 EU Project COHERENO
Ad Straub - OTB

15.25-15.45 Challenges and opportunities: Outcomes from the
National Meetings
Giorgia Rambelli - ICLEI Europe

15.45-16.00 Introduction on Successful architecture examples
on Add-ons
Veronika Schröpfer - ACE, Architects' Council of Europe

16.00-17.30 European Best Practice

16.00-16.30 Arch. Frederic Druot - Fredric Druot Architecture
16.30-17.00 Arch. Julian Weyer - Moller Architect
17.00-17.30 Yves Schihin - Burkhalter Sumi architekten

17.30-18.45 Questions and discussion

18.45-19.00 Poster presentation

19.00 Cocktails and aperitifs

