Industrialized energy efficient retrofitting of resident buildings in cold climates

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Some facts

- Project period: January 11 - June 14 (42 months)
- Budget: €8144000 (EU-contr. €4871490)
- Swedish co-funding from CERBOF: 3.2 MSEK
- 20 partners, 8 countries
Age of buildings in the EU
Current status
Repair  
Renovate or  
Demolish?

Thinking about tomorrow for a sustainable, dynamic society

Source: Mark Zimmermann, EMPA

15-17 Oct 2013
Vision

To transform the retrofitting construction sector from the current craft and resource based construction towards an innovative, high-tech, energy efficient industrialised sector.
Objectives

- To investigate, promote and demonstrate cost effective and advanced energy efficient retrofit strategies that
  - create added value for existing apartment buildings
  - endorse end-users to stay and build a dynamic society
Objectives (cont’d)

- To establish and demonstrate sustainable renovation solutions that will drastically reduce the energy use (7 demonstrations)
- To create a holistic industrialised process that aims to
  - minimise technical and social disturbance for tenants, and,
  - facilitates energy efficient operation and use of the buildings including encouraging energy efficient behaviour.

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Replication potential
We emanate our work from the 7 demonstrations ...
... and develop concepts further ...
... calculate, measure and monitor ...
... to form the basis for a repetitive, cost and energy efficient renovation process with the smallest disturbance possible for the tenants.