

# Accelerating Energy Retrofitting in condominiums

## Work Package Demand Side

ACE final event - Brussels  
22-11-2019

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**North-West Europe**  
**ACE-Retrofitting**  
European Regional Development Fund



# Objectives of the ACE Retrofitting project

(running from September 2016 to June 2020)



Accompanying co-owners and co-owner associations ('demand')



Making demand and supply meet:  
Cities acting as facilitators



pooling and increasing the competencies of building professionals ('supply')

# Demand side work package: overcoming barriers to retrofitting



## AIMS

**1: empower owners and condo managers to overcome barriers to retrofitting**

**2: design and implement energy retrofitting projects**

- Providing owners & condominium management with **tailor-made assessment tools**, with technical and social components.
- Development of **step-by-step guidance** to enable owners to take action once they have carried out the assessment
- **Coaching** of owners and condominium managers. In this core activity of the WP, trainings, co-creation meetings, individual and personalised direct coaching will be provided.
- Preparation of **case studies and videos** to provide owners with successful and replicable examples

# Inventory of tools for retrofitting in 5 countries



- 93 tools were found
- 50% of tools for use in houses; 50% for use in condominiums
- 22 tools for building professionals, the rest for owners/tenants/managers

**But....what can we add?????**

## Inventory of tools in 5 countries (cont'd)



- Few tools focussing on the social aspects of retrofitting
- Too many tools
- Very long documents
- Not clear which tool to use for which situation
- Websites that are not user-friendly
- Information outdated
- Not clear who developed the tool or how (trustworthiness)
- No sign of acceleration right now

⇒ We don't know what triggers people to retrofit, so...what tools to develop?

# 10 Focus groups in the 6 cities: what do people flag?



- Subsidies not reliable/not continuous
- Decision-making as a group is problematic
- Old people do not want to invest, but also young people...
- Insufficient legal incentives/sanctions
- Not enough known about the various options
- No clear data about the benefits

Main barrier:

**DIFFICULT DECISION MAKING PROCESS!**



# Tools for decision-making



Being implemented in:

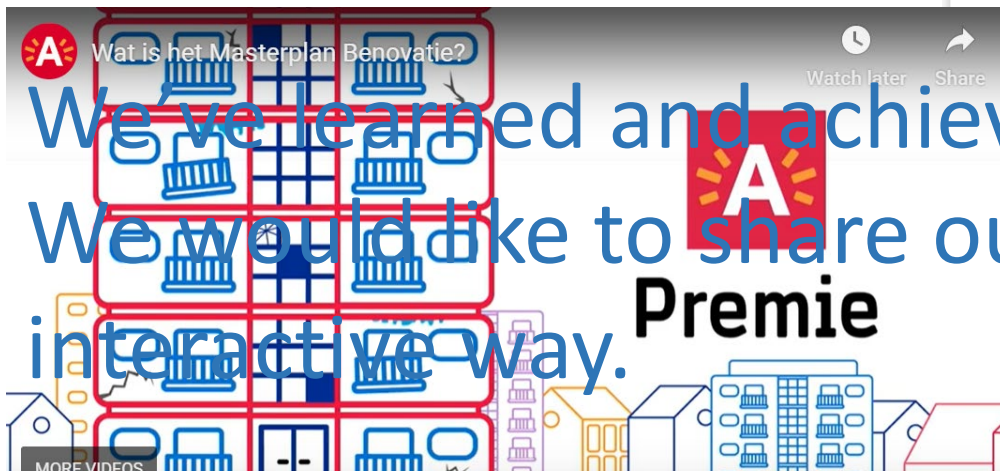
- Maastricht
- Liege
- Frankfurt



# A tool is not enough: coaching activities & examples in all 6 cities



- Development of case studies
- Videos
- Information meetings
- Training activities
- Individual coaching of condominium associations



We've learned and achieved a lot.  
 We would like to share our experiences in an interactive way.

**Key figures**

- + value of building increased
- + energy reduction
- + total cost of retrofitting
- + energy cost savings (estimated or real)
- + comfort increased
- + short duration of retrofitting
- + less pollution in building improved

**Key dates**

July 2013	Sept. 2013	Nov. 2014	Dec. 2014	Jan. 2015	Feb. 2015
Plus exemplis generalibus noctura quam delictis.	Plus exemplis generalibus noctura quam delictis.	Plus exemplis generalibus noctura quam delictis.	Plus exemplis generalibus noctura quam delictis.	Plus exemplis generalibus noctura quam delictis.	Plus exemplis generalibus noctura quam delictis.