



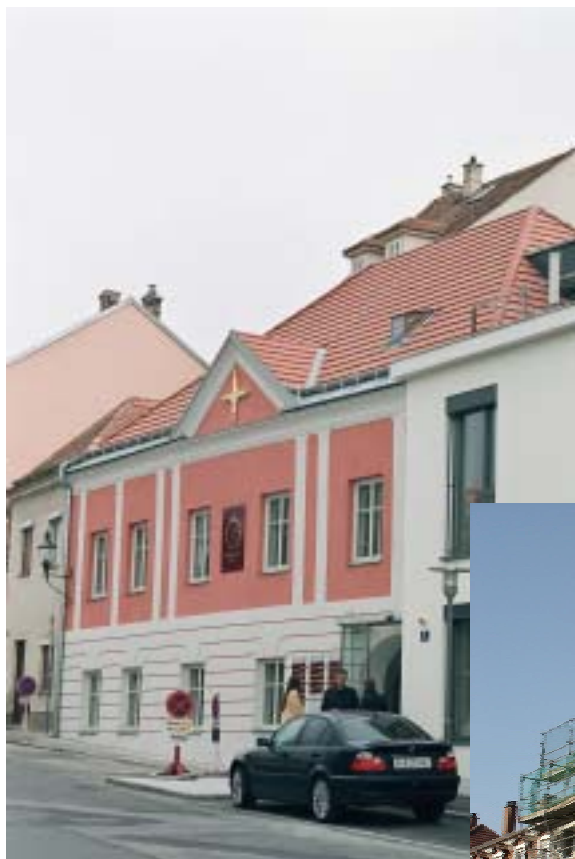
Energy research Centre of the Netherlands

**DEMOHOUSE**  
**DEsign and Management Options for HOUSing**

Henk Kaan

22 November 2005





**Chicken - and- egg problem: large scale implementation hampered by high costs**





## Lack of knowledge about techniques



**Renovation is a complex process: socially, financially, organisationally, emotionally**



**Results of promising projects may be unavailable to those in the field**





## The DEMOHOUSE Approach:

### Demonstration project plus Reference project



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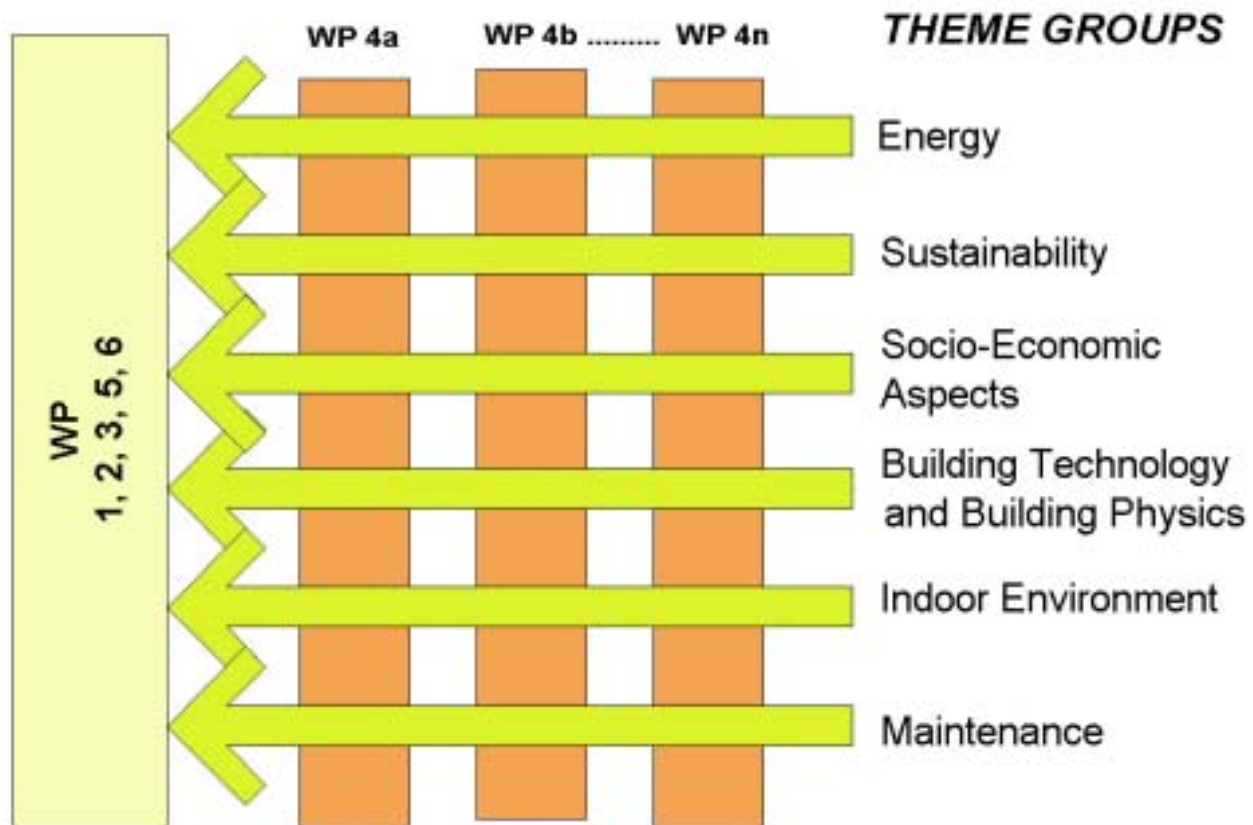
Decision support tool





## The DEMOHOUSE Approach:

### Theme groups

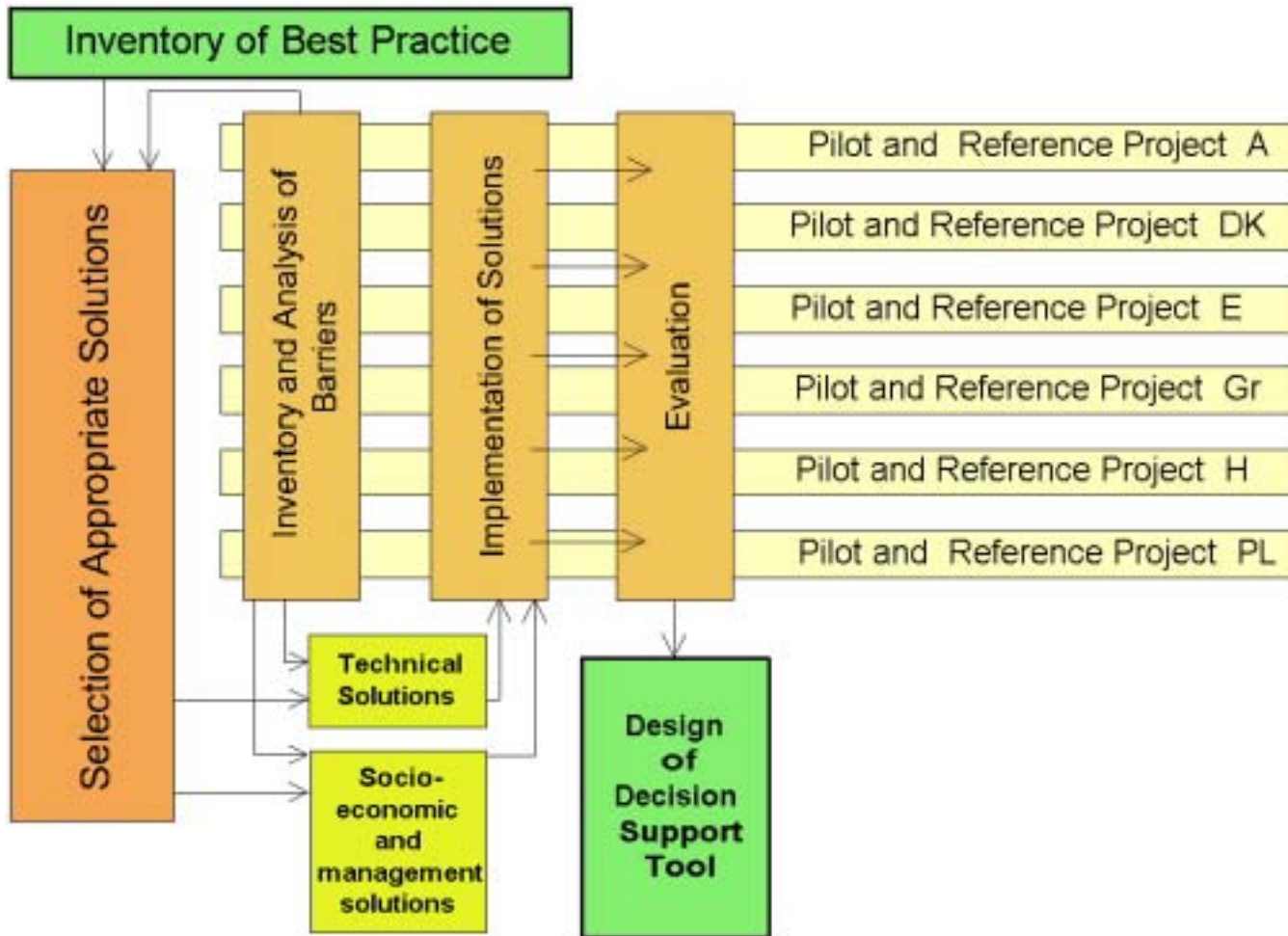


## The DEMOHOUSE Approach:

### Dissemination



## Structure of the project





## Structure of the project

Socio-economic and management solutions define new strategies for:

- Policy making on renovation and on energy conservation by housing associations or co-operatives
- Agreements between parties on ambitions
- Financial instruments
- Regulations and directives from the EU and regional governments

## **Decision Support Tool consists of:**

- Decision support models
- Examples of best practices
- Overview of technical measures for CO<sub>2</sub> reduction
- Examples of appropriate financial models, management and policies for affordable, energy efficient renovation
- Overview of pilot projects in relation to reference projects
- Overview of appropriate tools for evaluation
- Performance indicators of energy efficiency to meet the EPBD

## Partners in DEMOHOUSE:

ECN (Netherlands)

TU Delft - OTB (Netherlands)

Fundacion Labein (Spain)

Cinsa Grupo EP (Spain)

Surbisa (Spain)





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**Thank you for your attention**

