



ENERGY IN URBAN PLANNING AND IN RESTRUCTURING AREAS

# Energy and Urban Planning Guidelines for setting ambitions and embedding agreements

Nicolas POUGET

Solving Efeso France - Public Policies & Sustainable Devpt. Dpt.

International Workshop

ENPIRE Guidelines

Dublin, 19th of November 2009



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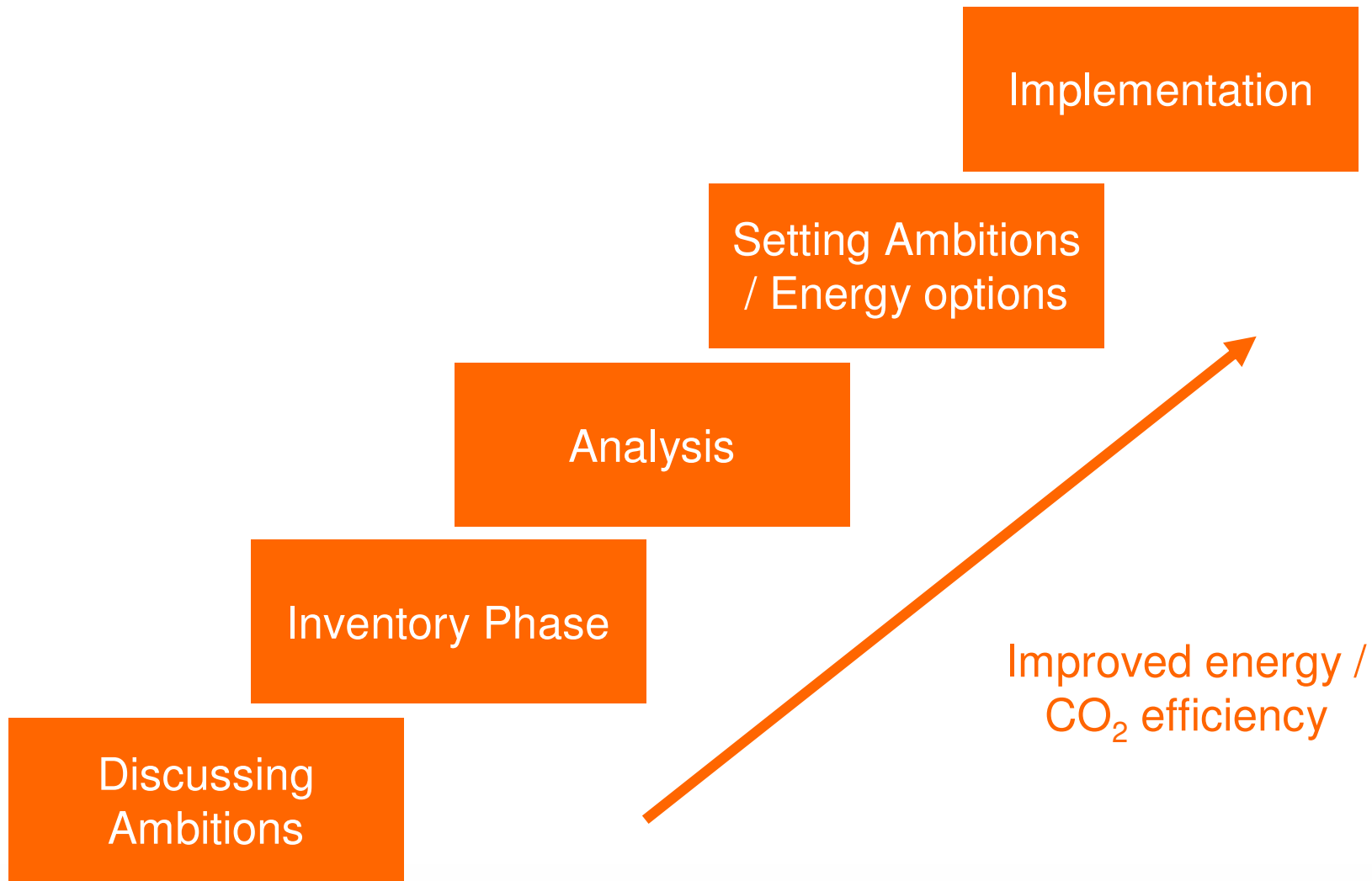
# Overview

1. ENPIRE Project Lifecycle
2. Discussing ambitions
3. Analysis
4. Setting ambitions / energy options
5. Implementation
6. As a conclusion



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# Project lifecycle



# 1 - Discussing ambitions : why ?

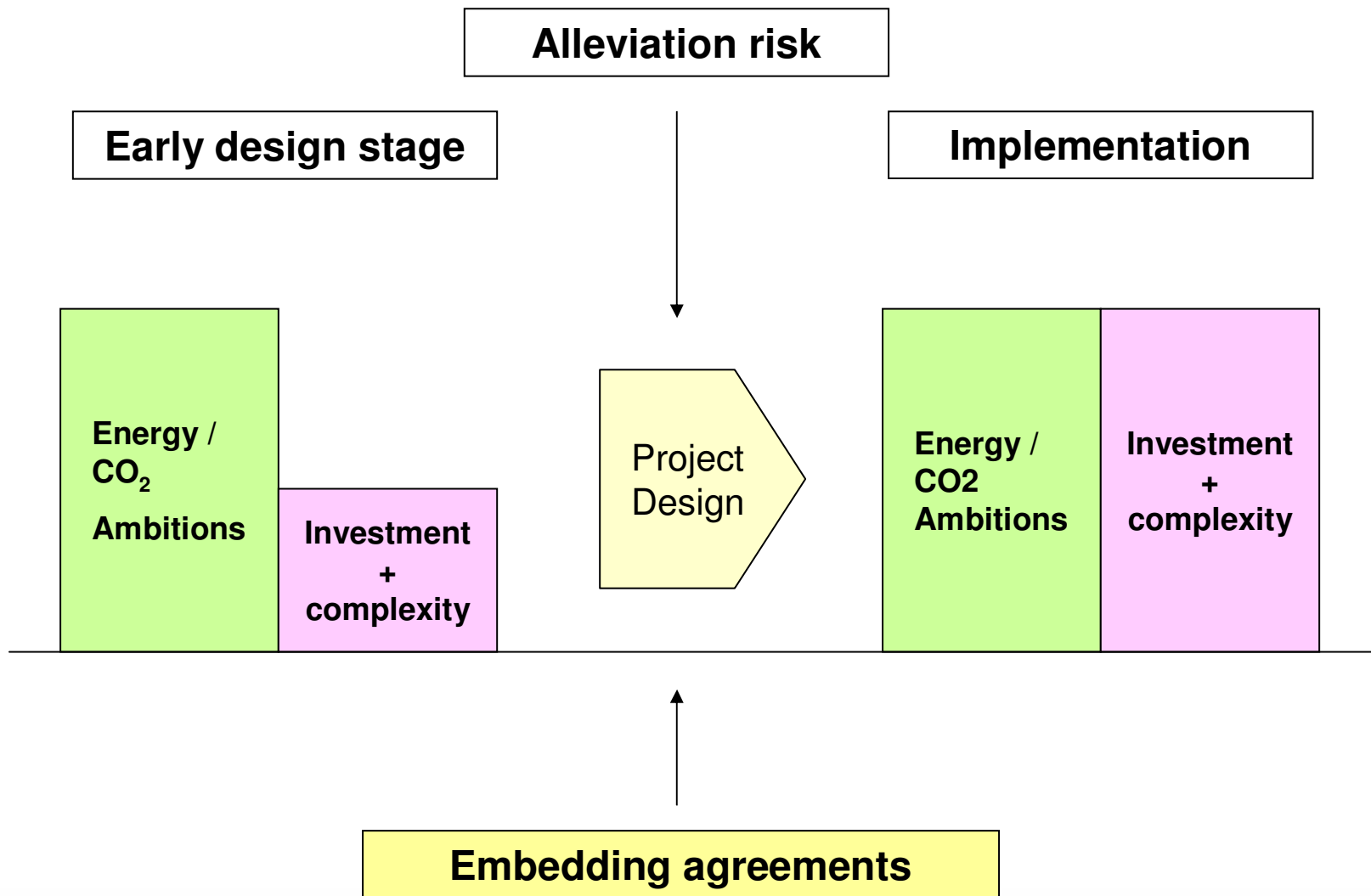
- Stakes for local authorities :
  - Define how to develop/implement the urban plan
  - Identify critical success factors and motivations to include energy issues within urban planning
- Objective :
  - To reach a consensus on energy/CO<sub>2</sub> reduction targets : expression of shared ambitions
  - To specify the procedures to be followed



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# 1 - Reduce alleviation on initial ambitions





# 1 - Discussing ambitions : how ?

- Start from regulation
  - National
  - Local
- Integrate local strategic planning :
  - Urban development plans
  - Specific policies : energy, climate change, environment, social and economic issues ... (Dublin)
- Organise **workshops / meetings** with stakeholders
- Formalise through a “**vision document**” on energy / CO<sub>2</sub> ambitions

# 1 - Discussing ambitions : who ?

- Local authorities :
  - Implement national targets at local level
  - Improve the overall territorial quality of life
- Housing associations :
  - Maintain acceptable living costs
- Project developers / Constructors :
  - Ensure economical profit and positive market image
  - Design an acceptable Investment Plan
  - Anticipate possible exploitation of the building



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# 1 - Discussing ambitions : who ?

- Tenants / Inhabitants (Breda, Casale)
- Local Energy Agencies :
  - Promote rational use of energy and renewables
  - Advise in the decision-making process
- Energy Companies :
  - Provide technical vision on how to guarantee energy supply of the project according to the ambitions
  - Integrate the need to modify / adapt the infrastructure
  - Can have a financial interest (i.e. White or Green certificates)

## 2 - Inventory phase

- Collect and share contextual information on the project
- Specify first technical requirements on the basis of the initial ambitions and specific requirements (Havirov, Casale)
- Involve stakeholders in the proposals of technical options to :
  - Ensure that initial ambitions are followed
  - Collect users viewpoints, needs and proposals
  - Create public support
- Assess first technical proposals



## 3 - Analysis of energy options

- Submit the conclusions of the inventory to all stakeholders in order to select final appropriate options
- Discuss and specify the responsibilities of stakeholders in the implementation of the project
- Organise **workshops / meetings** with stakeholders
- Local authorities have a key role in maintaining the initial level of ambitions (Grand Chalon)

## 4 - Setting ambitions

- Revise initial ambitions and meet a consensus among stakeholders
- Formalise a Joint agreement :
  - In a document adapted to the project (Avila, Breda, Albertslund)
  - Providing details on the final targets and the way to cooperate and communicate in the process (i.e. project management)
- Anticipate a close monitoring procedure of the project in order to reduce the alleviation risk on final design stage
- Final level of ambitions will be settled at this stage

## 5 - Implementation

- Continue with sharing the reference documents with new actors entering the project (i.e. construction teams)
- Assess and monitor on the basis of :
  - The Joint Agreement
  - The project management procedure
  - The verification during and at the end of the process

## 6 - As a conclusion

- **Setting the ambitions :**
  - Gather concerned stakeholders
  - Set realistic and ambitious levels
  - Resist to the recurrent temptation of downsizing
  - Formalize as much as possible
- **Embedding agreements :**
  - Necessary involvement of stakeholders at different stages of the project
  - Require specific project management skills
  - Assess and monitor performance of the project



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# Embedding agreements : example of approach

