



# Transversal Group Strategy

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# Presentation outline

**Context  
and  
objectives**

**Thematic  
group  
overview**

**Capitalization  
approach**





**Urban areas** A place for scientific challenges

Context and objectives of UF internal seminars



# Context and objectives

- **One key challenge is to achieve urbanization in a sustainable manner, providing accessibility to services and a good quality of life**
- **A multidisciplinary concept :**
  - that requires the pooling of different fields of knowledge
  - the complexity of the urban environment and the overlapping of its stakes call for scientific initiatives which go beyond the limits of a given discipline**... yet fragmented in the literature**
- **City stakeholders develop strongly compartmentalized approaches**
  - induces a partitioning of scientific thinking
  - does not promote the development of a multidisciplinary culture



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## Our objectives

- *Identify a number of themes where a multidisciplinary approach will help knocking down the technical and scientific barriers*
- *Facilitate the emergence of transversal research projects inside thematic groups addressing such issues*

## Expectations

- *Improve and widen the dialogue*
- *Open new directions in urban research*
- *Promote cross-cutting collaborations*

## Strategy

### Organization

Cycles of internal seminars

Constitution of working groups

### Priority questions → fundings

For collaborations between research teams or with partners from the professional sector, around targeted projects

Create attractiveness for high potential researchers

Call for proposals

### Steering to ensure

Consistency and complementarity of actions with summer schools and scientific events



# Themes and groups

Thematic group overview 



# Action areas *and their main focus*

## Interaction between human urban activities and the environment

*Air & water, physical parameters, land use, transports...*

*Environmental & energy policies, economy, urban resilience...*

## Emergence of global metropolises

*Interactions between economic dynamics, technical innovations, social transformations*

*Scale interactions (transport & metropolises, urban planning & architecture...)*

## Quality of urban life for all

*Accessibility of services, mobility & transport*

*Modes of governance (vulnerability, environmental issues)*

## Material production of cities

*Construction, rehabilitation and maintenance, urban metabolism*

*Usages, public policy, innovation*



# Action areas and their main shackles

## Interaction between human urban activities and the environment

Efficacité  
Énergétique

Risques &  
Territoires

Modélisation  
et Dynamique  
Urbaine

## Emergence of global metropolises

Villes, Tourisme,  
Transport &  
Territoires

Usages de  
l'histoire et  
devenirs  
urbains

Penser  
l'Urbain par  
l'Image

## Quality of urban life for all

Justice, Espace,  
Discrimination,  
Inégalités

Mobilité  
Urbaine  
Pédestre

## Material production of cities

Métabolisme  
Urbain

Métiers de la  
ville



# Capitalizing on initiatives

Description of the approach



- *Organize regular seminars (publication)*
- *Invitation of foreign researchers*
- *Workshops*
- *Works (surveys, post-doc, response to a call for proposals...)*
- *Professional partnership, bringing research in the field*
- *Editorial project*
- *Collaborative project*

*Formal call for proposal for every group*

## Strategy

### Scientific coordination

Project management team

Two-year project 2013-2015

**Put in perspective the various initiatives to move forward on priority questions**

Capitalization / Valorization /  
Visibility

**Provide the necessary fundings**

### Horizon 2015

Organisation of sessions of the  
Labex symposium





**Thanks for your attention**