



**UNIVERSITÉ
DE GENÈVE**

CENTRE UNIVERSITAIRE
D'ÉCOLOGIE HUMAINE
ET DES SCIENCES DE
L'ENVIRONNEMENT

Défis de l'interdisciplinarité

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Université de Genève

Qu'est l'interdisciplinarité ?

Selon Jean Piaget, il y a trois modes :

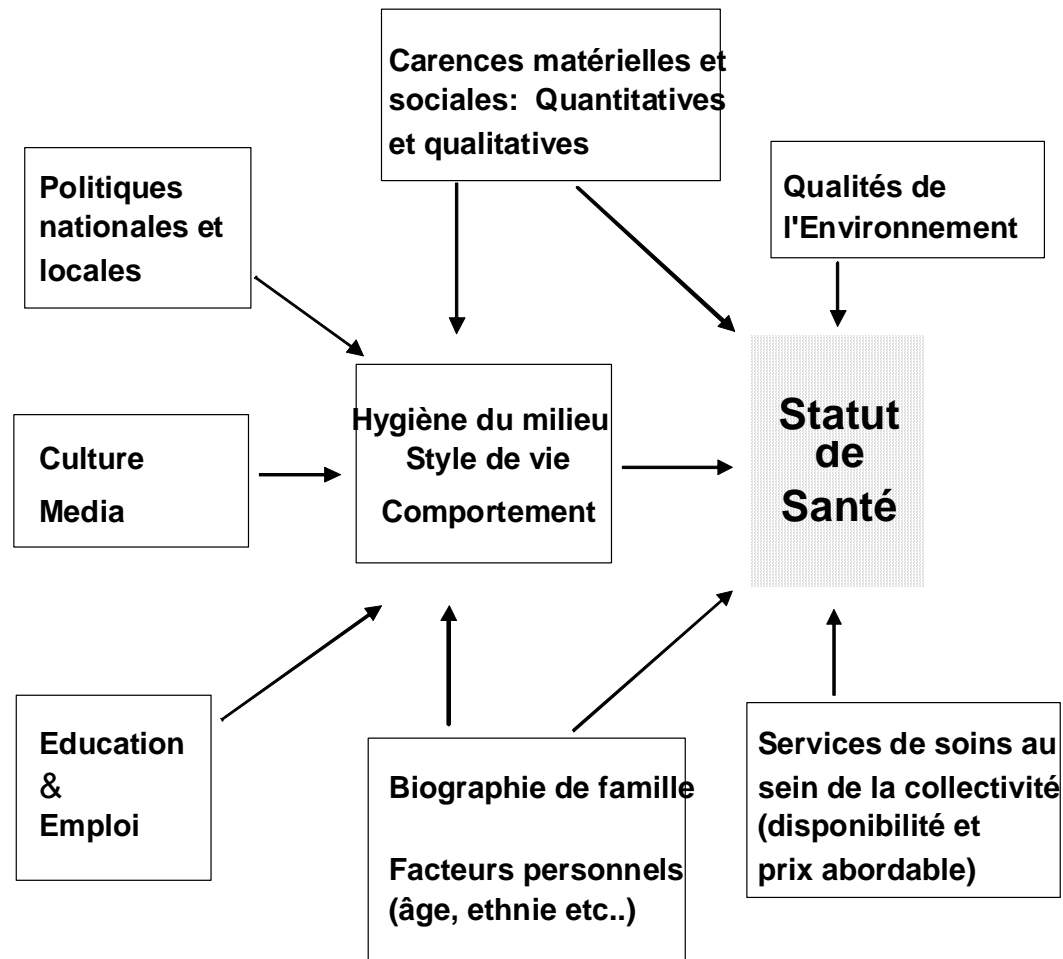
- Echange et intégration d'information
- Echange et intégration de concepts et méthodes
- Création de nouveaux concepts



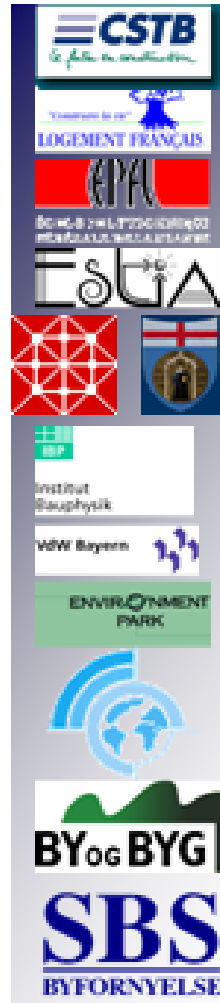
Rappel : Interprétation interdisciplinaire du personne - milieu

sociologie	géographie	psychologie
groupes	espace, territoire	individus
appartenance sociale	lieu	identité individuelle
	identité du lieu	

La santé : analyse multidimensionnelle



Exemple 1: INVESTIMMO



CSTB (FR) - BA, Logement Français (FR)
 EPFL (CH) - EB, TA, Bam (CH) - CUER (CH)
 IBP (DE) - VWV (DE) - DI PARC (IT)
 ENVIPARK (IT) - MOA (HE) - AMPAD (HE)
 DEUR (DK) - B BB (DK)

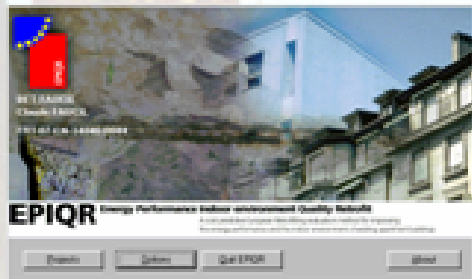


INVESTIMMO - A decision-making tool for long-term efficient investment strategies in housing maintenance and refurbishment

Starting and ending dates: 01-03-2004/31-01-2007 Project acronym: GRL1-2004-24106, GRL-CT-2004-00701

The goal of the INVESTIMMO European project is to develop a computer-based multimedia software giving assistance to decision makers to deliver strategic real estate plans tailored to the individual company's needs, whether simple or complex. This project will promote cost-effective and profitable investments in existing buildings, while addressing the environmental challenge and optimum use of natural resources, and improving the living conditions of building tenants.

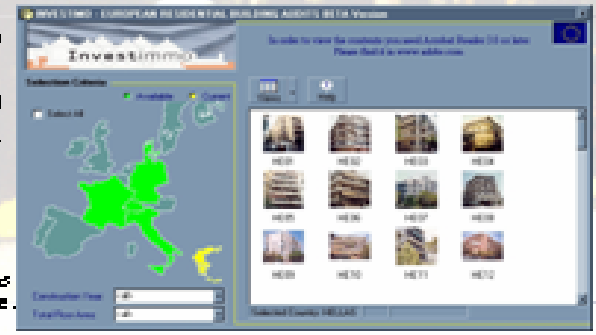
During the project, a large audit campaign of 300 residential buildings across Europe, distributed in the six participating countries (Denmark, France, Germany, Italy, Spain and Switzerland) will be performed. The aim is to define the existing condition of the buildings and their elements, analyze the influence of various factors on the building deterioration, and to develop correlations between these factors and the deterioration process, so as to be able to construct a European database on building element deterioration.



A list of predominant factors that influence the deterioration of a building has been established and the interdependence of these factors will be examined. This extensive survey campaign will be made possible using the very powerful EPIQR method developed during an EC research project. EPIQR is used for a rapid but systematic and complete diagnostic audit of a residential building in less than one day.

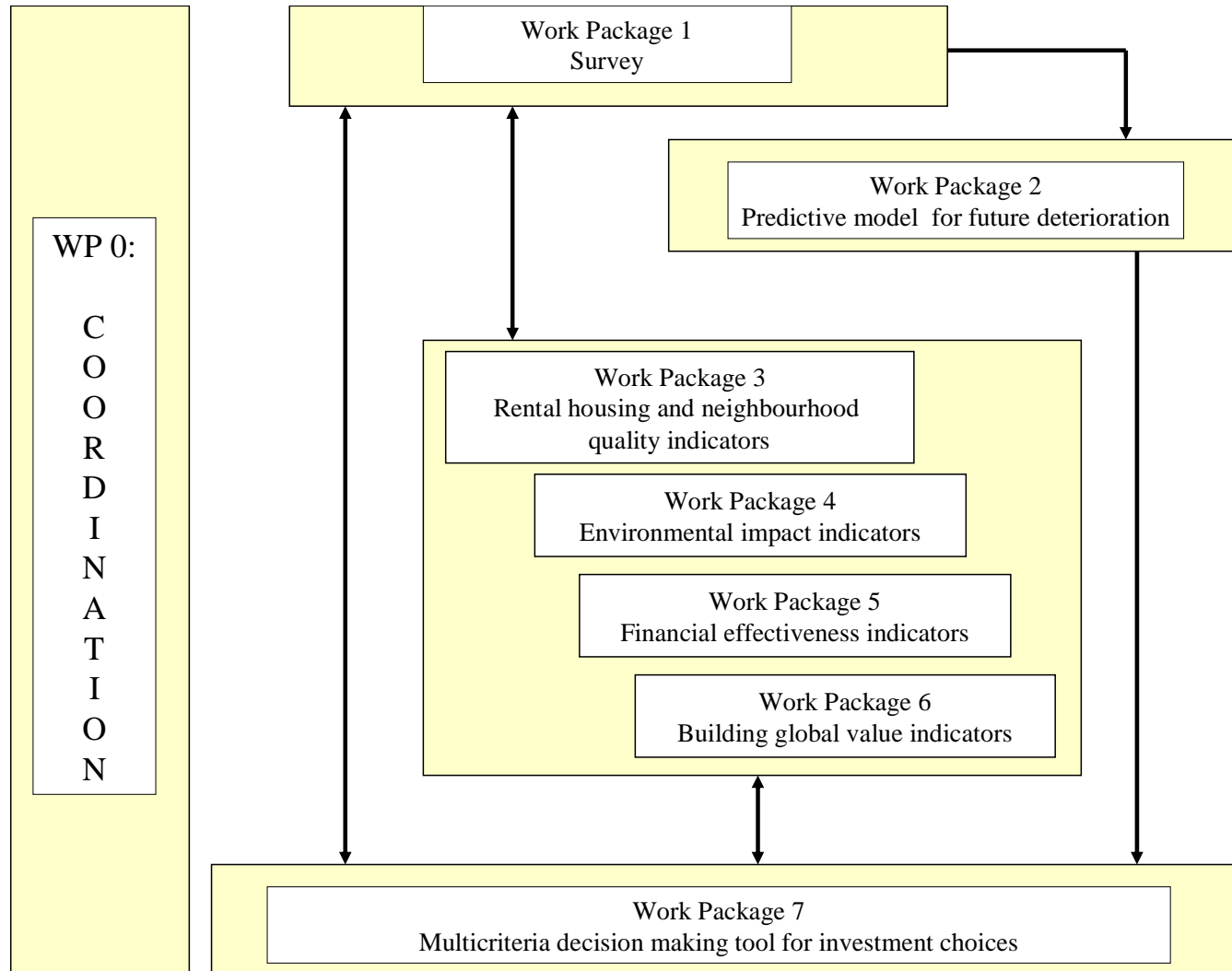
The building audit will be summarized in a European Residential Building Audit Handbook and a Multimedia CD-ROM. The multimedia version of the Handbook will be a user-friendly software tool that will include the 300 buildings and will enable the user to review the entire stock of the audited buildings, or to select a group of buildings,

according to the country, construction year and total floor area. For each building, the user will be able to review a short presentation of the building, the diagnostic codes describing the building's existing condition and the available photographs for each element type.

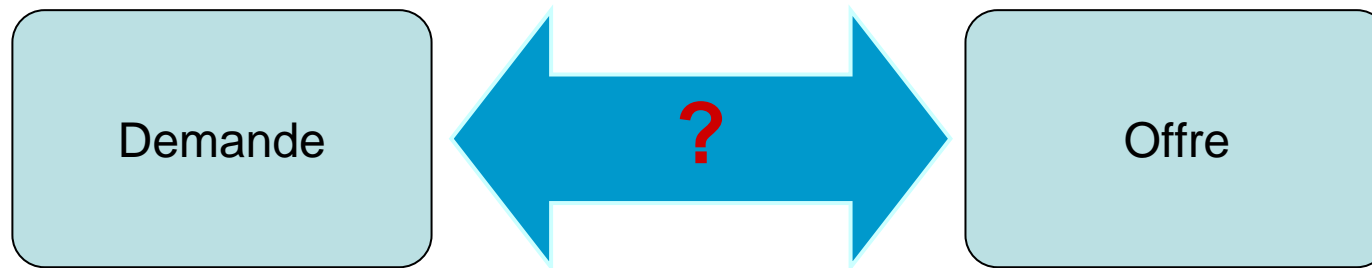


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Organisation du projet Investimmo

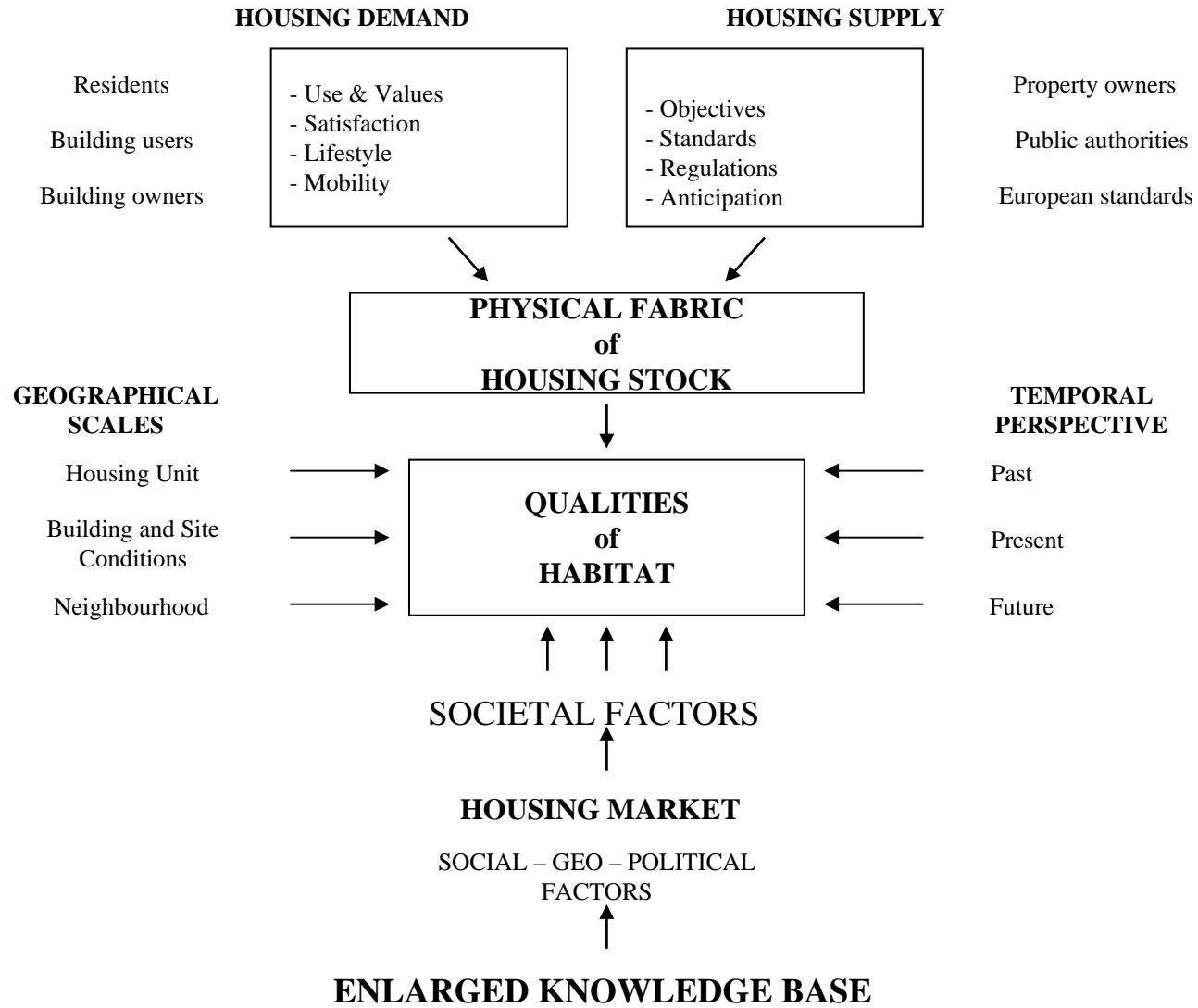


Comment évaluer l'adéquation entre l'offre et la demande de l'habitat?



Examen de quelques indicateurs clés :

- Loyer
- Surface habitable par habitant
- Taux de vacance
- Taux de rotation des locataires
- Satisfaction des locataires



HOUSING DEMAND

HOUSING SUPPLY

Residents
Building users
Building owners

- Use & Values
- Satisfaction
- Lifestyle
- Mobility

- Objectives
- Standards
- Regulations
- Anticipation

Property owners
Public authorities
European standards

**PHYSICAL FABRIC
of
HOUSING STOCK**

**GEOGRAPHICAL
SCALES**

Housing Unit
Building and Site
Conditions
Neighbourhood

**TEMPORAL
PERSPECTIVE**

Past
Present
Future

**QUALITIES
of
HABITAT**

SOCIETAL FACTORS

HOUSING MARKET

SOCIAL - GEO - POLITICAL
FACTORS

ENLARGED KNOWLEDGE BASE

Classes de facteurs clés de demande de l'habitat

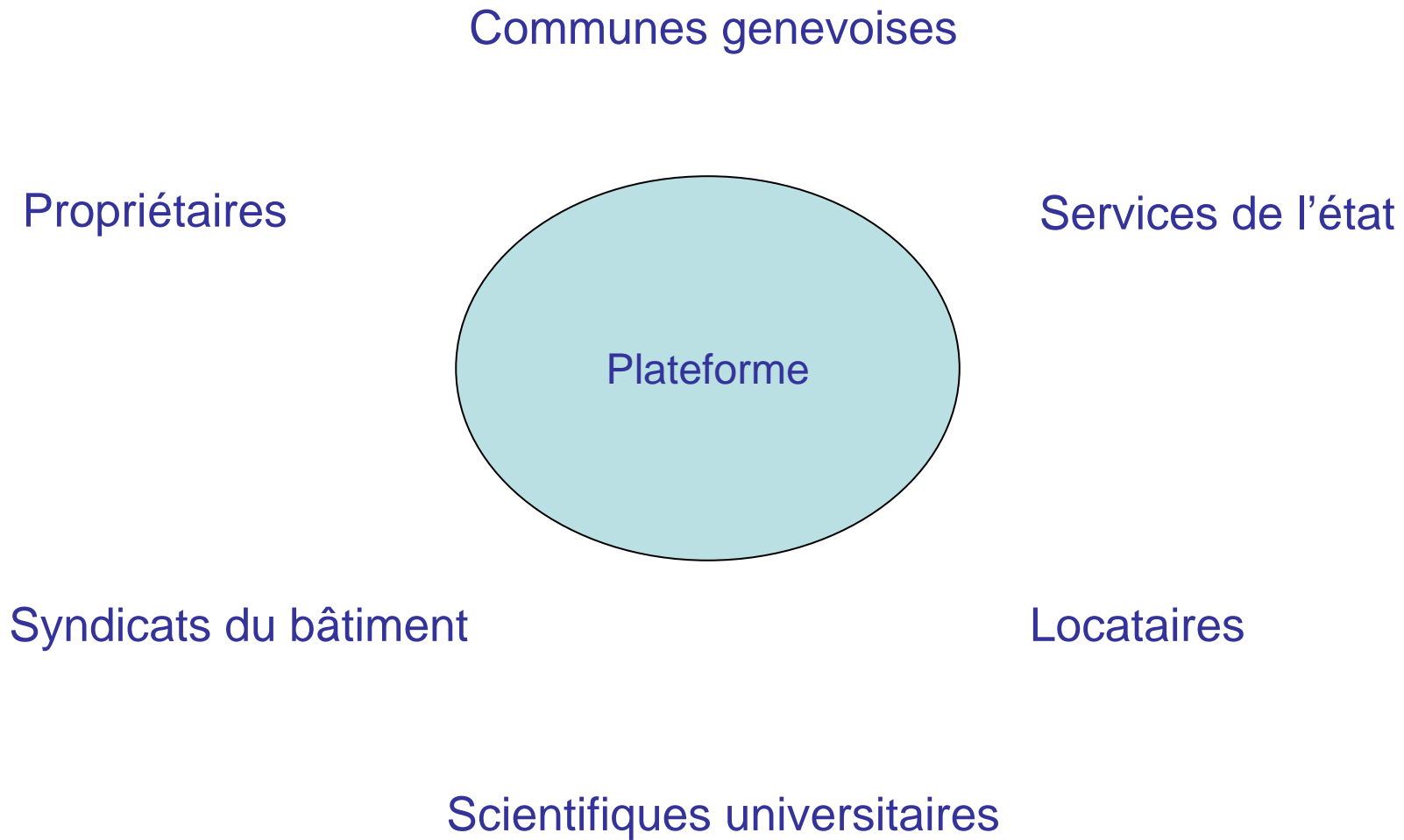
1. Caractéristiques du logement
2. Caractéristiques du bâtiment
3. Caractéristiques du quartier
4. Efficacité de gestion et d'entretien
5. Impact des coûts d'entretien et de rénovation
6. Marché de l'habitat.

Mise en relation interdisciplinaire :

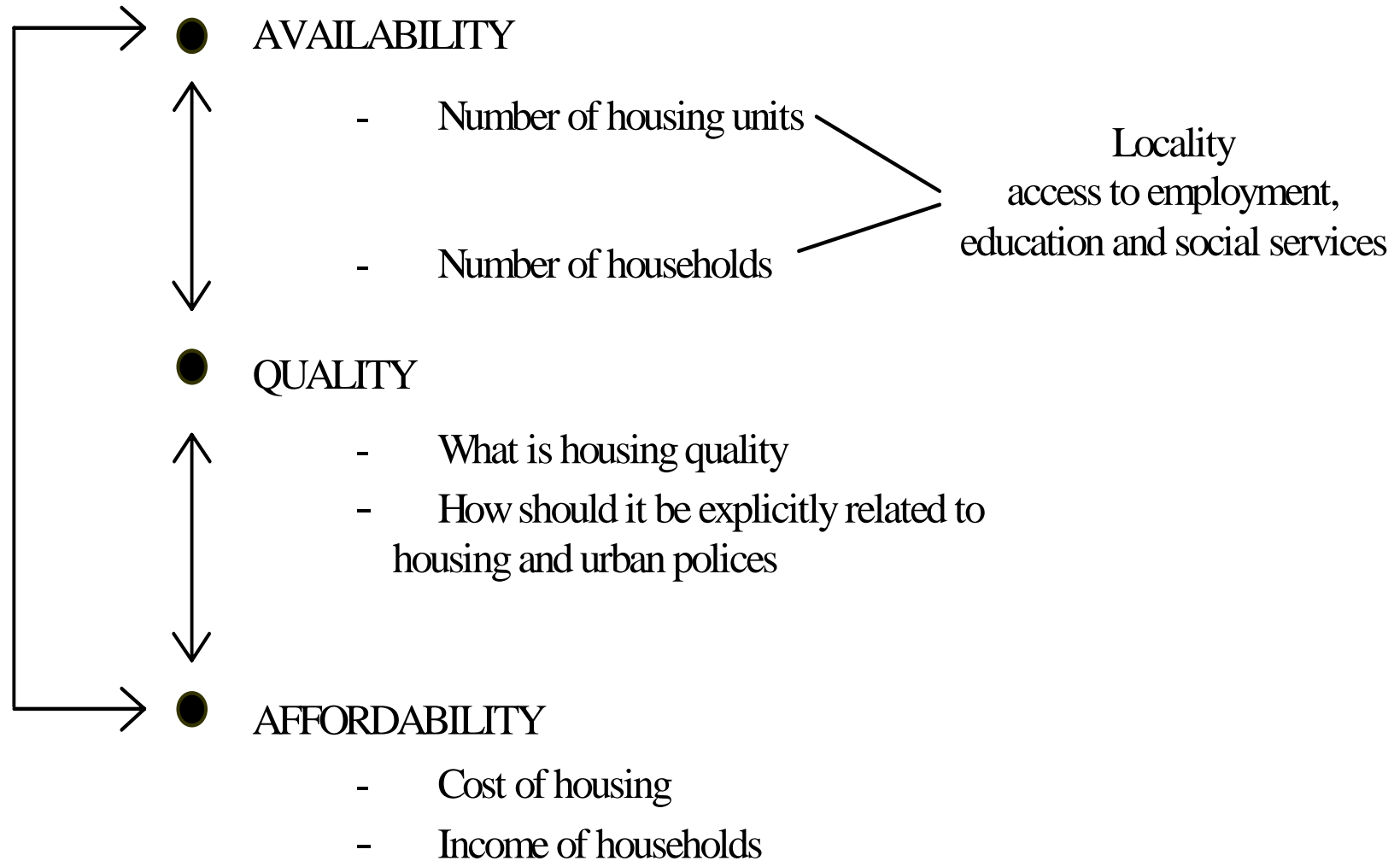
ATTRACTIVITE DE L'HABITAT

<http://international.cstb.fr/frame.asp?URL=research/european.asp>

Exemple 2 : Observatoire cantonal du logement



Méthode d'approche



Classes de facteurs clés de demande de l'habitat

1. Caractéristiques du logement
2. Caractéristiques du bâtiment
3. Caractéristiques du quartier
4. Efficacité de gestion et d'entretien
5. Impact des coûts d'entretien et de rénovation
6. Marché de l'habitat.

Mise en relation interdisciplinaire :

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Défis de l'interdisciplinarité

REFERENCES

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