

## Urbanization in France : main points

- 78% of the population live in cities, 95% in extended urban areas
- Built-up territory : 21,8% in 2010 (+19% /2000) – necessity to reduce urban sprawling
- Housing is responsible for 43% of primary energy consumption and 23% of greenhouse gas emissions
- Housing demand: 500 000 new houses needed every year
- Leading companies in the field of energy efficiency and smart housing (EDF, Schneider, Legrand...), transportation (Alstom, Transdev, Keolis...) water and waste management (Suez, Veolia...), certification (Bureau Véritas) and many SMEs

# The 2008 « Grenelle » environmental roundtable

Buildings: reduce energy consumption by 38% (2020)

All *new* buildings have to be *low-energy* (HQE label)

Acceleration of *energy retrofit* for *existing stock*

Obligation to *renew public buildings*

Transportation:

Development of *public transport* networks (1500 km)

Public transport *corridors*.

Promotion of *soft modes* (bike sharing schemes, walking...)

*Car sharing*

Development of *hybrid* and *electric* rechargeable vehicles

Urban planning:

New rules to *minimize* the use of *land and resources*

« *Urbanisme de projet* » to reduce urban sprawling and promote *eco-cities*

Protect the environment

Develop *natural spaces*

Reduce (and monitor) the consumption of *natural resources*

Improve governance and develop social housing

# The « eco-city » label



National label launched in 2008 (after « Grenelle Environnemental roundtable »)

19 conurbations selected in 2009 and 2011

10 million inhabitants – 15% of French population

750 millions EUR of public investment

## Various types of projects :

Urban renewal, energy efficiency, renewable energies, biodiversity, urban mobility, environment protection, economic development...

## « Eco-city » label : key principles

- Develop cross-policy programs involving the **public** and **private sector**:

- *Public and private partnerships to encourage innovation*
- *Long-term support and public orders*

=> Urban organisation and housing, urban amenities (services and environment), energy and natural resources, transport and mobility

- Develop **integrated approaches** to take into account different aspects of urban projects:

=> Governance, social diversity, urban design process, environmental interactions, urban management, mobility, local economic development

- Eco-city projects are tailored to cities and their **historic, geographic and climatic** context

## « Eco-city » label: key principles

- Eco-cities projects put forward **new ways of living** and **promote innovation**:
  - Renewal of urban landscape, new urban forms...
  - Greater environmental quality, ecological services, biodiversity
  - New urban services related to mobility, energy, water and sanitation, communication...
  - Greater resilience : energy, environment, economy
- Eco-cities encourage **urban innovation** in technologies, organisations and services  
=> « investment for the future » program

# An Eco-City : Bordeaux

Preservation and valorization of the historic part of a city



Renewal of the Garonne river banks (previously a motorway)

Implementation of a tramway line on the banks

## The « eco-district » initiative

- After Grenelle environmental roundtable: **creation of eco-districts** in municipalities with significant **housing development** schemes.
- The process took into account every aspect of sustainable development:
  - **Project planning** phase (governance, management, localization)
  - **Technical aspects** and **services** related to local environment and uses (density, intelligent transportation, solidarity, urban forms, cultural issues...)
  - **Economic** and **regional development** (mobility, functional mix, jobs)
  - Conservation of **resources** and adaptation to **climate change** (water, biodiversity, energy)
- Objectives:
  - *Promote exemplary operations*
  - *Enable the dissemination of best practices*



# An Eco-district : La Duchère in Lyon

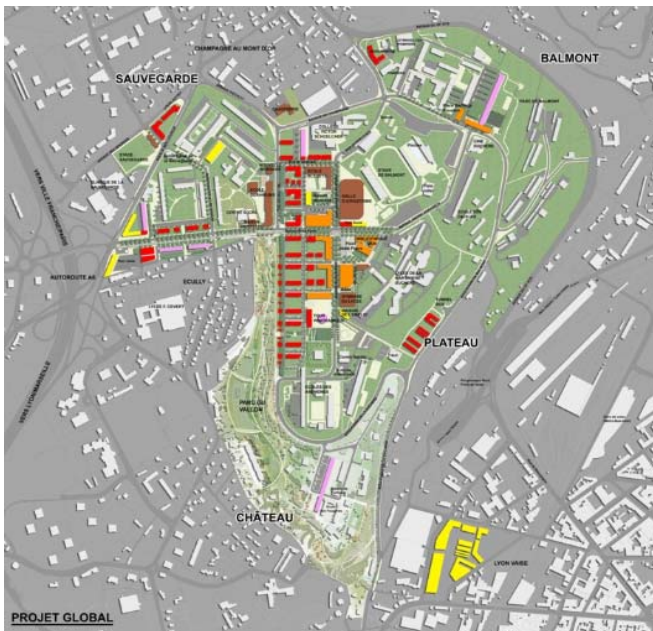


First built in 1960, far away from the city centre

Social Problems : Impoverishment, Exclusion



Renewal to be completed in 2016



PROJET GLOBAL

- NOUVEAUX LOGEMENTS
- SERVICES, COMMERCES ET LOGEMENTS
- NOUVEAUX EQUIPEMENTS
- IMPORTANTES OPERATIONS DE REHABILITATION
- BUREAUX



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# An Eco-district : Forcalquier in Provence



Renovation of an old small town center (old buildings, improvement of energy efficiency)

Thank you for your attention



Label for French technologies  
related to sustainable urban development

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