

# « Climate + initiative » 2<sup>nd</sup> workshop

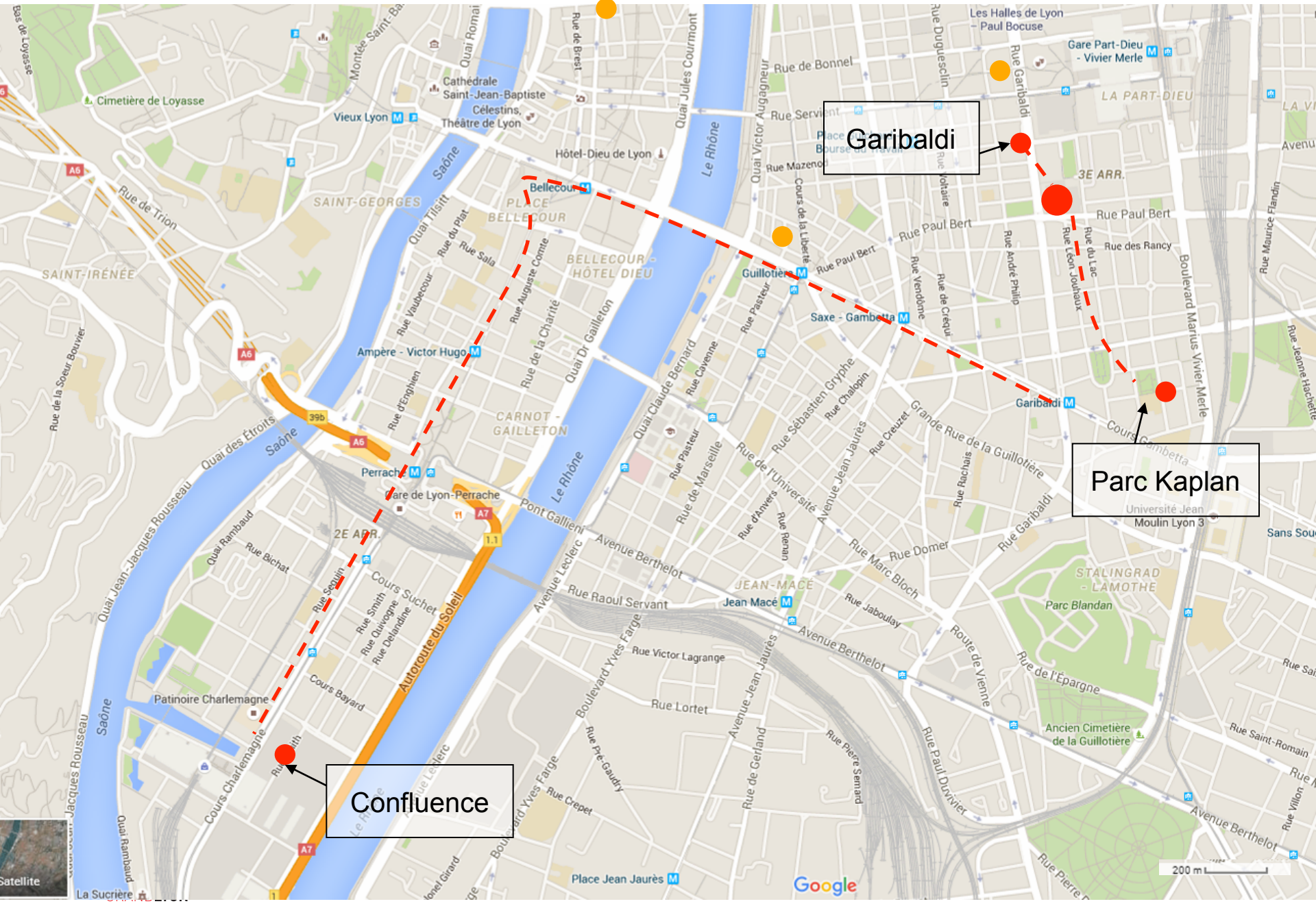
8 and 9th of february 2016, LYON



# Agenda

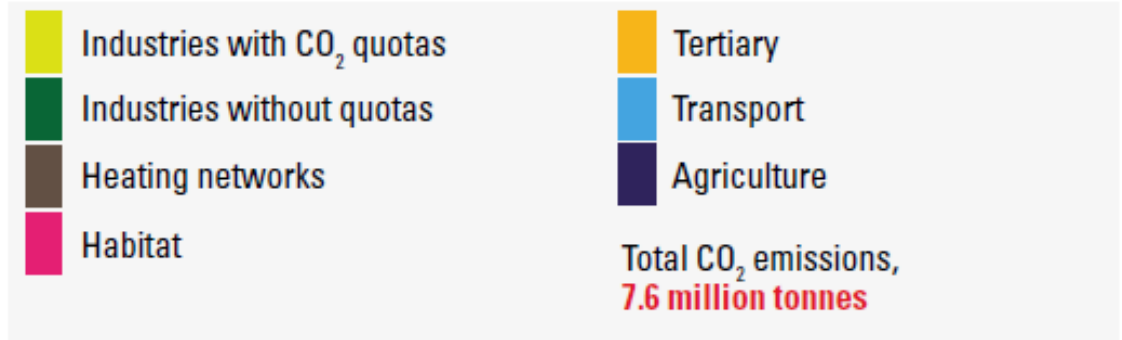
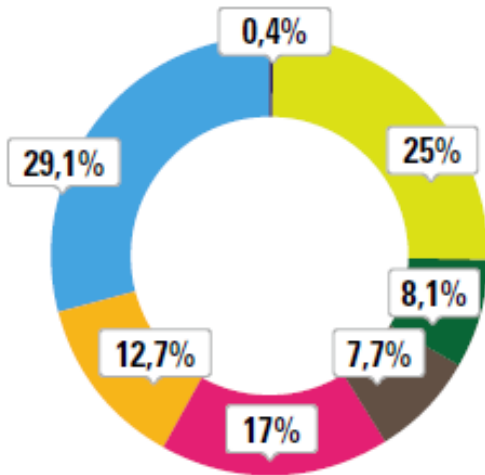
- DAY 1 :
  - Grand Lyon's climate and adaptation strategy
  - Field trip
- DAY 2 :
  - 'No regret charter' analysis – template
  - Next steps, link with other initiatives (« mayors adapt »?)

# Field trip



# Lyon's climate and energy plan

# Diagnosis



Source: Air Rhône-Alpes (publication 2009, 2006 data)



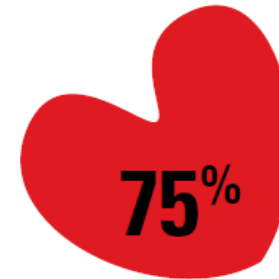
Bilan Carbone®  
of the property and  
Services of Grand Lyon

- Public procurement
- Buildings
- Waste management
- Water service
- Official travel



Emissions under the influence of  
current community public policies

- New homes in the ZAC  
(mixed development zone)
- Social housing
- Public transport
- Urban heating
- Urban development



All other emissions

- Businesses: industrial  
installations, goods transport ...
- Municipalities
- Residents: private homes,  
transport, consumption

# Co-construction of the scenarios



**104** organisations  
**25** working sessions  
**350** people attending the **4** collective conferences

**1** DIAGNOSTIC

COPRODUCTION DES SCÉNARIOS

**2**  
SCÉNARIOS

**VISION 2020 POUR  
UNE AGGLOMÉRATION  
SOBRE EN CARBONE**

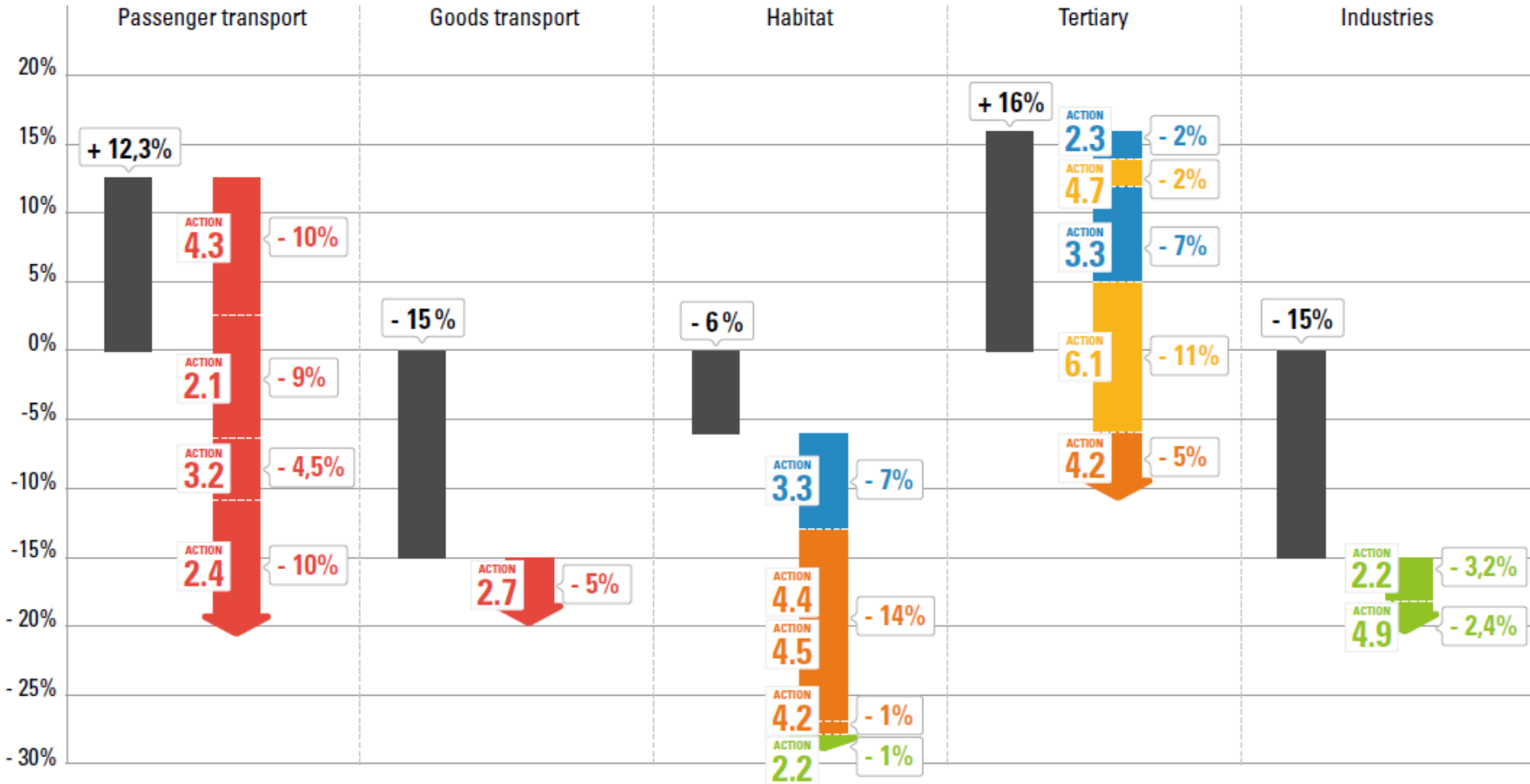
**DOCUMENT PRÉPARATOIRE À L'ÉLABORATION  
DES PLANS D' ACTIONS DES PARTENAIRES  
DE LA CONFÉRENCE ÉNERGIE CLIMAT**

**3** PLANS D' ACTIONS



GRANDLYON

# A scenario for 2020



Reference scenario: "run of river" scenario taking into account the demographic changes and the continuation of current trends.
   




 Objectives to be achieved in 2020 by putting in place the actions of the Climate and Energy Plan allowing each sector to be lowered.

# Common engagement



May 2010 et nov.  
2011 : engagement



Oct. 2013 : following the progress  
and welcoming new partners



# 4th Climate and Energy Conference on 12th november 2015



180 participants  
80 structures  
11 new signatories

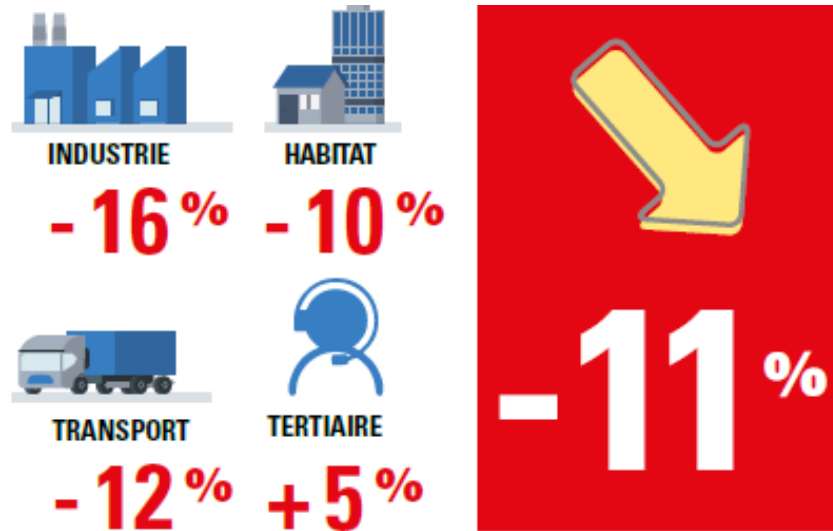


PARIS2015  
UN CLIMATE CHANGE CONFERENCE  
COP21-CMP11



# Monitoring the progress

Evolution of the territory's emissions  
between 2000 and 2013

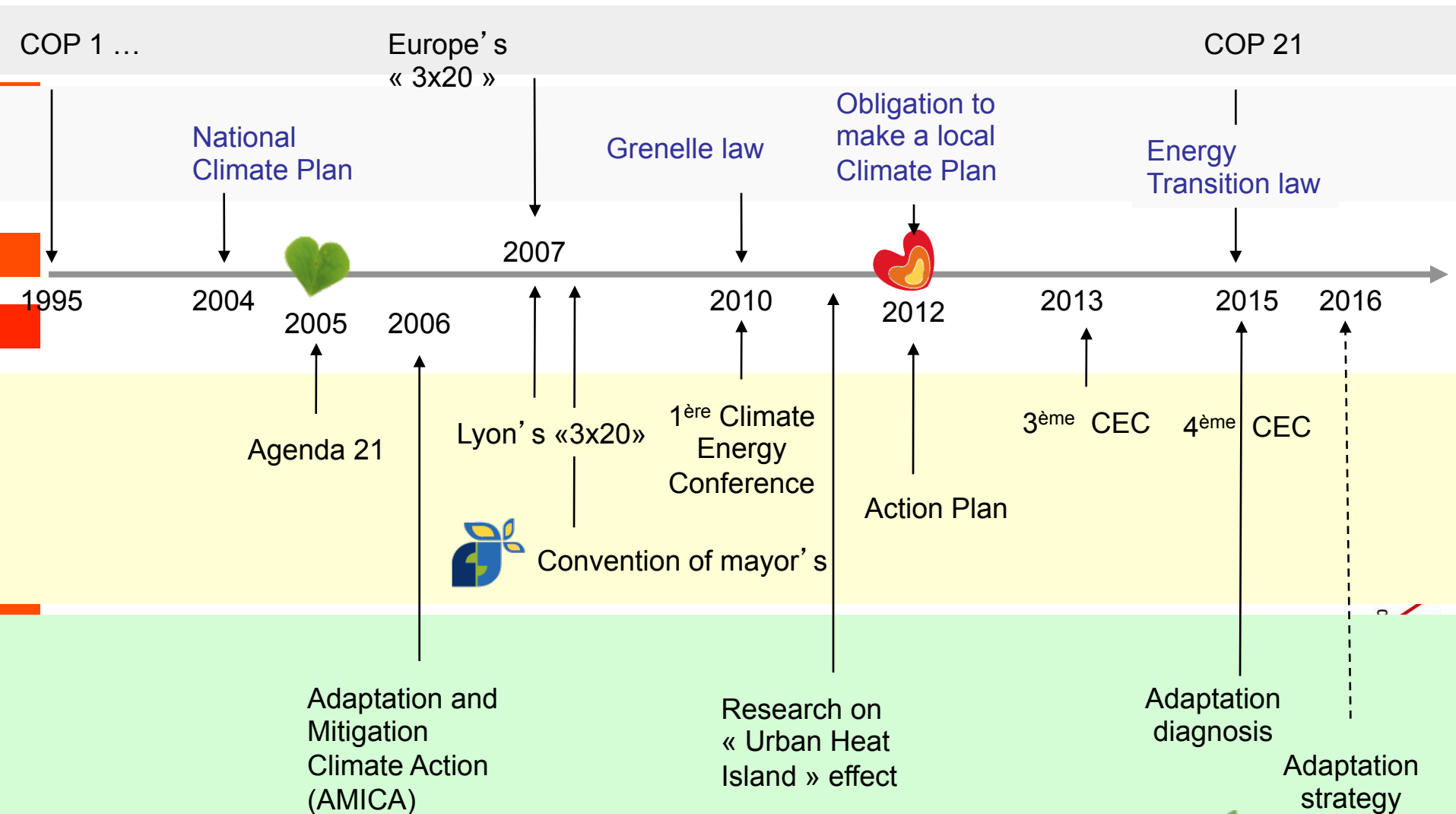


# Adaptation plan ?

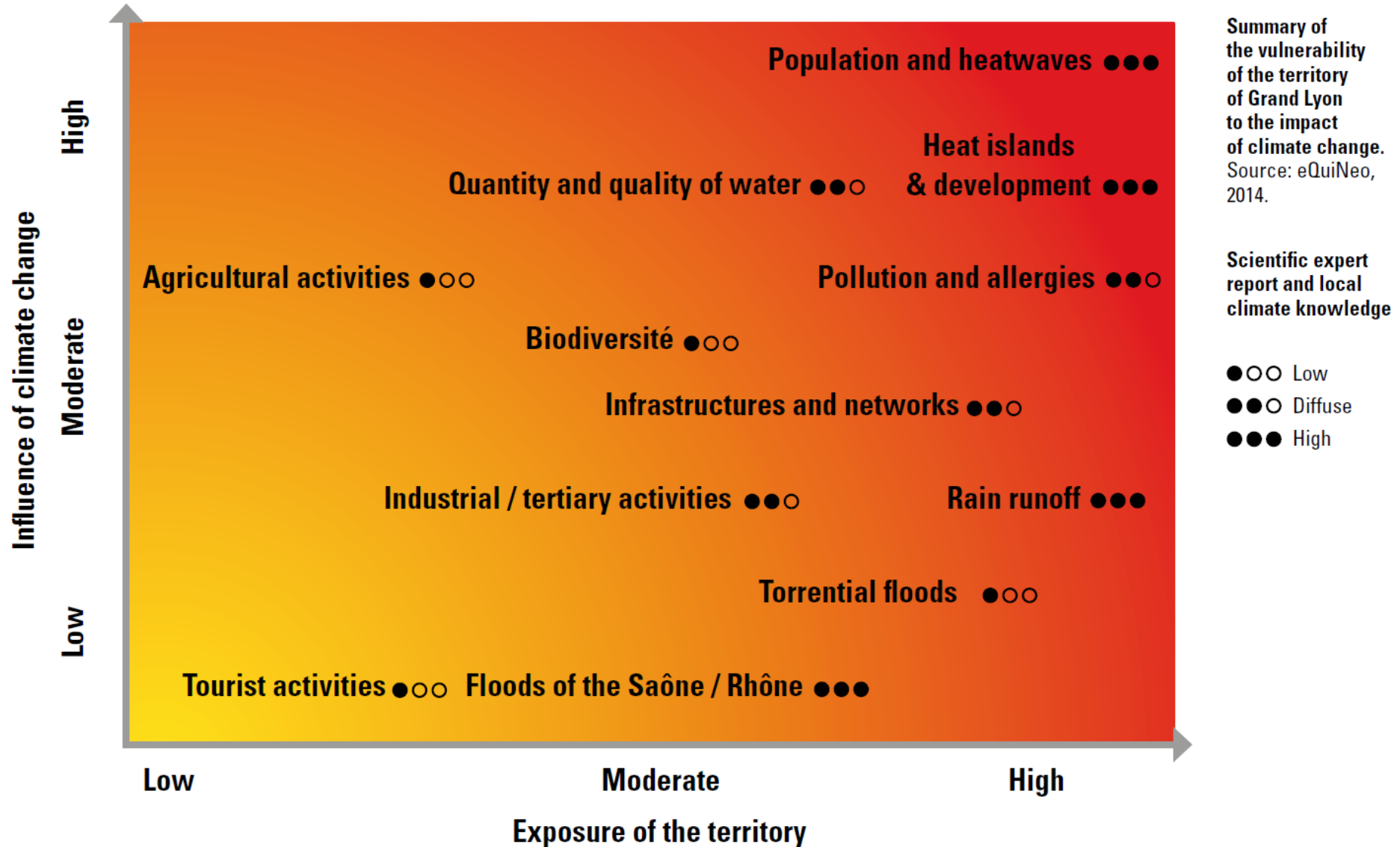
**WHAT CLIMATE TODAY,  
WHAT CLIMATE TOMORROW?**



# Calendar



# Diagnosis of our vulnerabilities



# Actions

Water, trees, green spaces and adapted materials to avoid Heat Island Effect

Prepare territory to water scarcity

Permeable city

PROVISOIRE

Protect and adapt farming activities

Accompagny population during heatwaves

Live with the risk on flooding



# Examples of actions that could meet the « no regret charter » 's principles



1.4 Urban planning → Zoning plan



1.2 Waterways → Flooding risk management actions



2.1 Governance

→ Climate Energy Conference

→ Climate Observatory (project)



3.1 Economy → 'call of the 30' in the chemistry valley



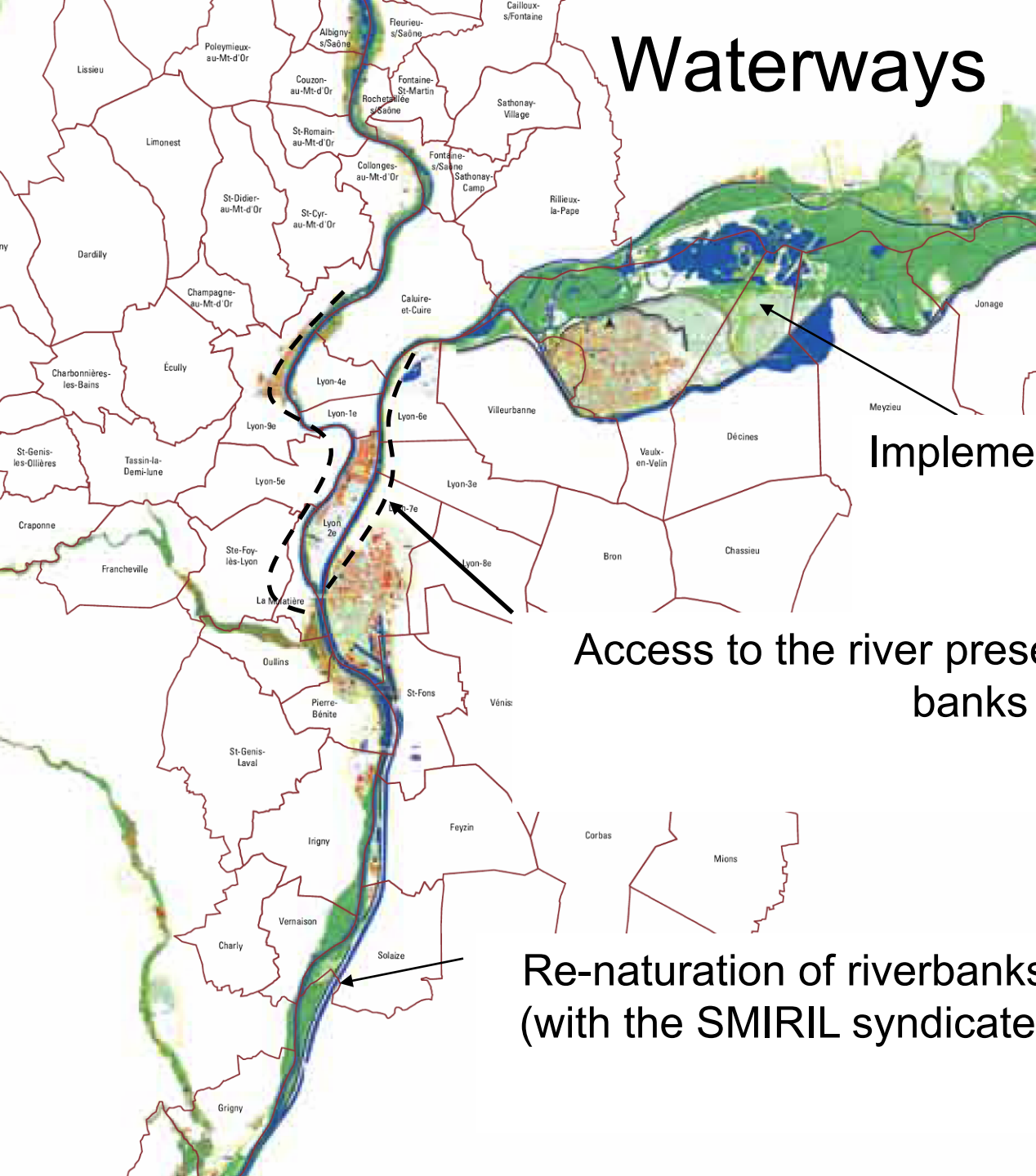
4.2 Cultural activity → Confluence Museum (project)



4.4 Beliefs about climate change → « My town, climate and I »



# Waterways



Implementing a public equipment in a flood zone

Access to the river preserving « natural » banks

Re-naturation of riverbanks (with the SMIRIL syndicate)

# Access to the rivers



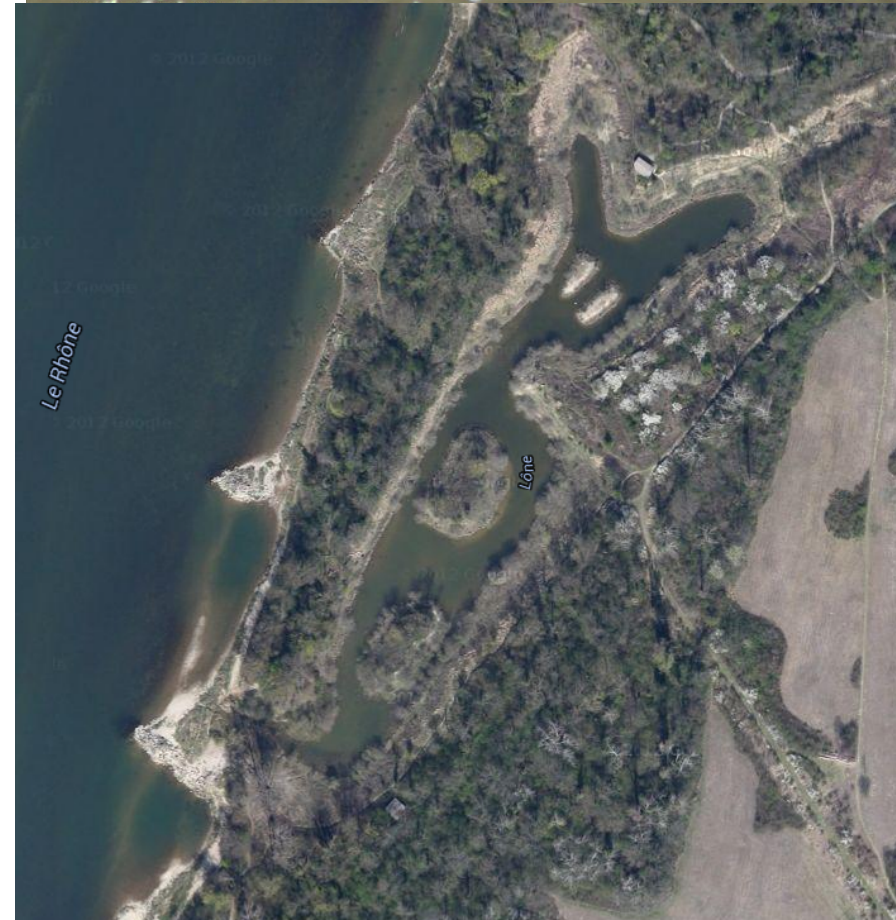
Rhône river banks (before used as parking lots)

# Access to the rivers



GRAND LYON

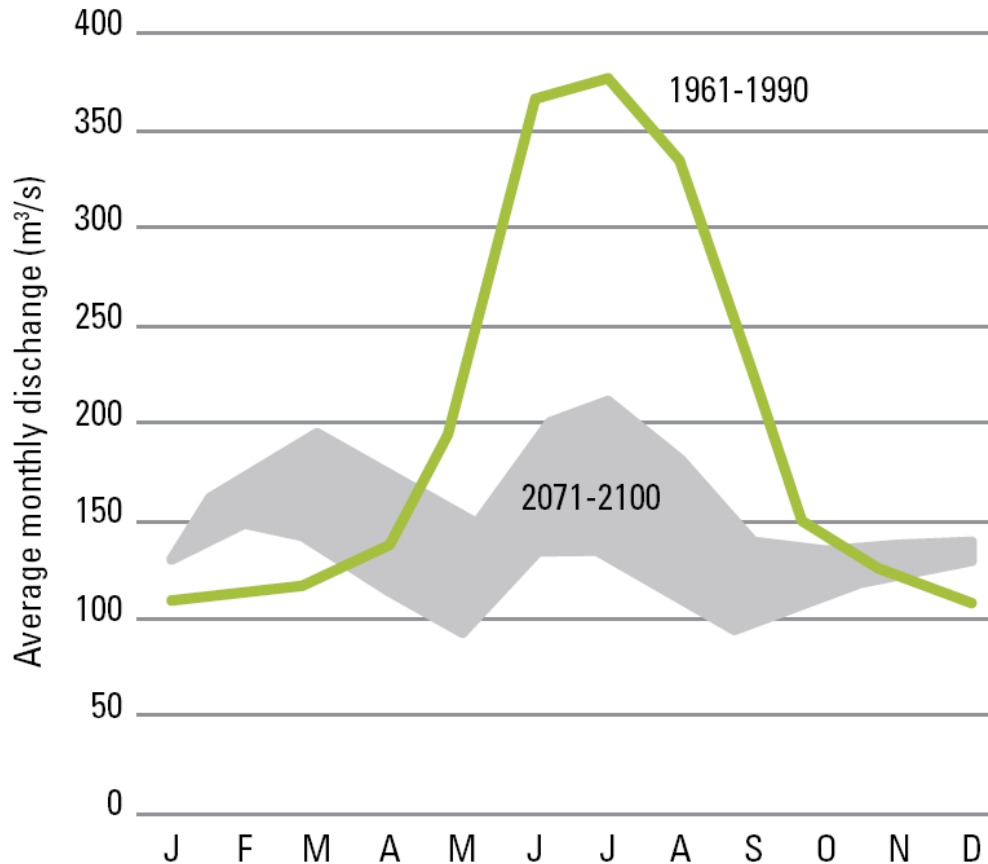
# Re-naturation of riverbanks



.. Is this an adaptation strategy ?

**Rhône's debit :**

- 15 to - 30% on average
- 30 à - 40% in the summer



**Figure 10 : débits mensuels du Rhône en amont du Lac Léman en climat actuel (1961-1990) et à l'horizon 2080 (2071-2100) selon le scénario A2 du GIEC. La zone grisée représente les incertitudes associées à la projection.**

Source : Beniston, 2012.



# Beliefs about climate change

4.4



la métropole  
**GRANDLYON**

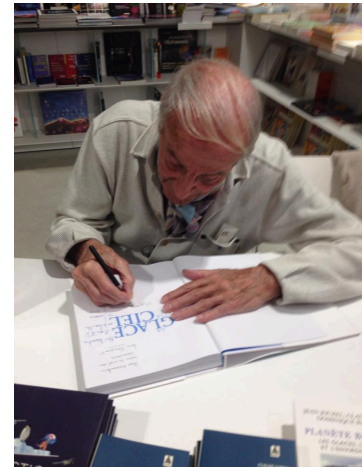
Confluence Museum, opened in december 2014 : natural science, species, evolution of man and society

# Beliefs about climate change

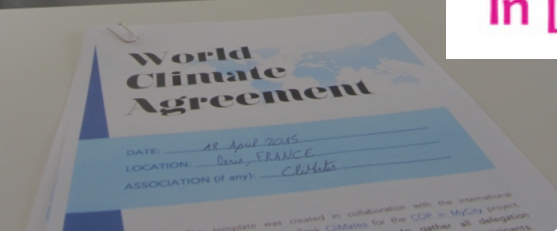


2 days for  
climate :

Movie &  
debate ->



<- negotiation  
simulation « COP in my  
city »





Thank you for your attention !

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