



**RÉPUBLIQUE  
FRANÇAISE**

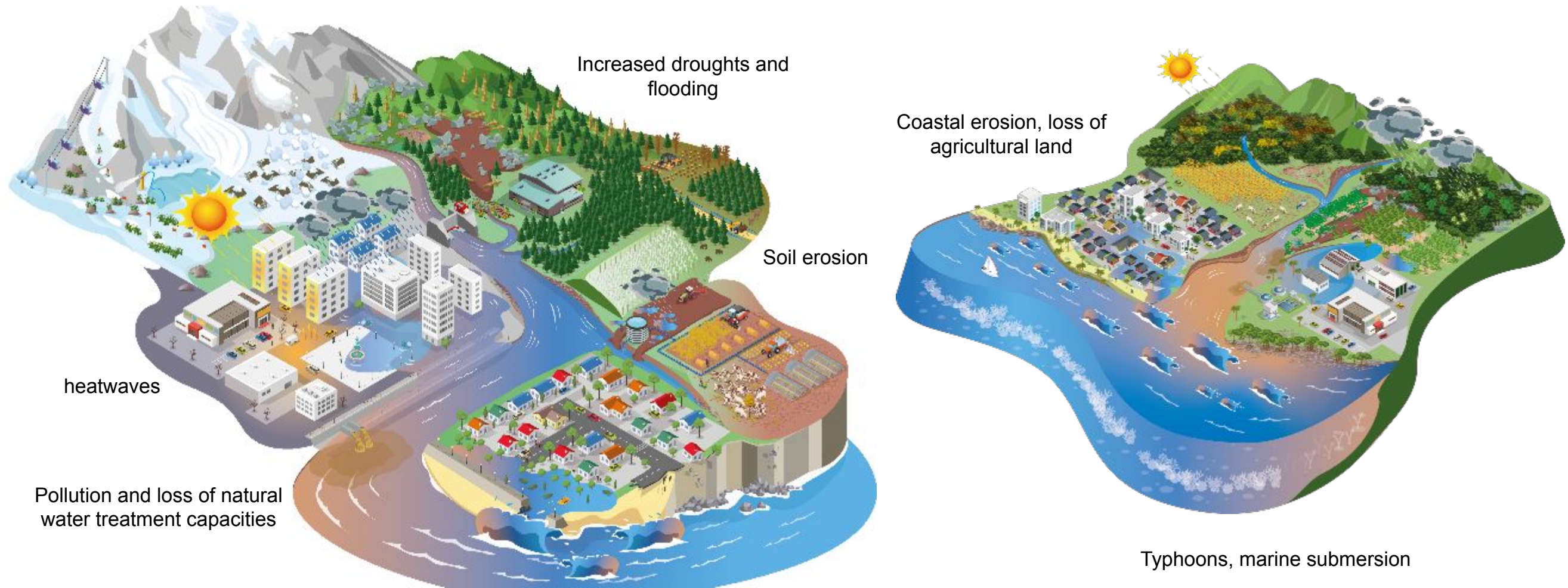
*Liberté  
Égalité  
Fraternité*



# NATURE-BASED SOLUTIONS FOR RESILIENCE

The experience of the French Biodiversity  
Agency

# Climate change and biodiversity erosion: the consequences of inaction



Réalisation Patrick MATIN © Agence Blue LIFE, 2022

# Ecosystems as natural resilience factors



Planting « rain trees » in the city of  
Lyon (November 2021)

© Thierry Fournier / Métropole de Lyon



Wetland restoration to prevent  
flooding and improve natural  
epuration in the Brie valley

© Aquibrie



Mangroves protecting the  
Z'Abriquets port from typhoons  
(Martinique)

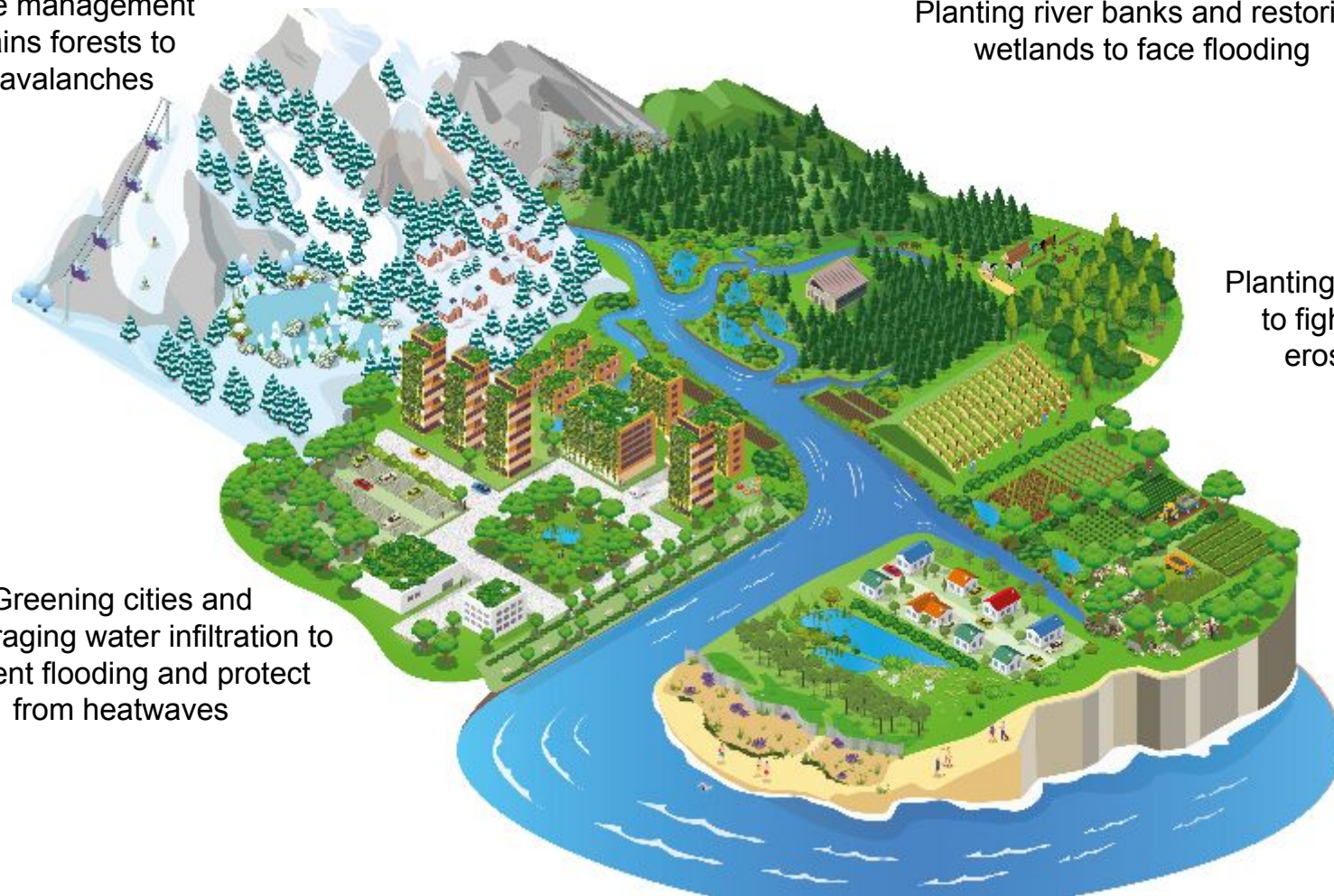
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# Win-win policies targeting both climate and biodiversity

Sustainable management  
of mountains forests to  
prevent avalanches



Planting river banks and restoring  
wetlands to face flooding

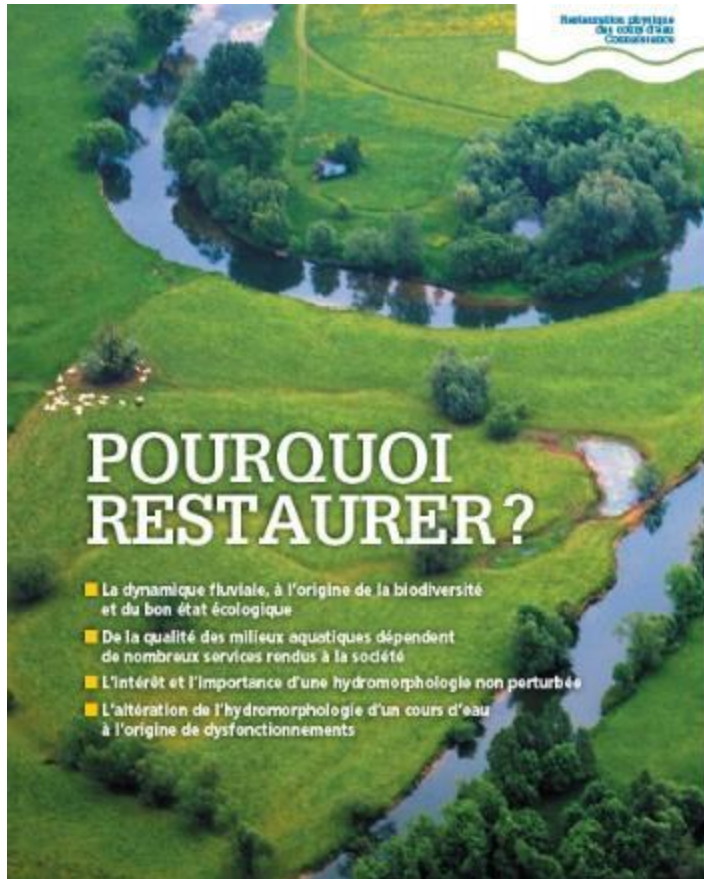
Planting hedges  
to fight soil  
erosion

Greening cities and  
encouraging water infiltration to  
prevent flooding and protect  
from heatwaves



Using dunes, mangroves and corals to protect from  
extreme weather events and marine submersion

# The French Biodiversity Agency, a historical expertise on nature-based solutions for water



Guide on river restoration published by the OFB



Plant-based water treatment system in Martinique (excerpt from technical guide)



Restoring ecological continuity on the Tarn

# The ARTISAN project:

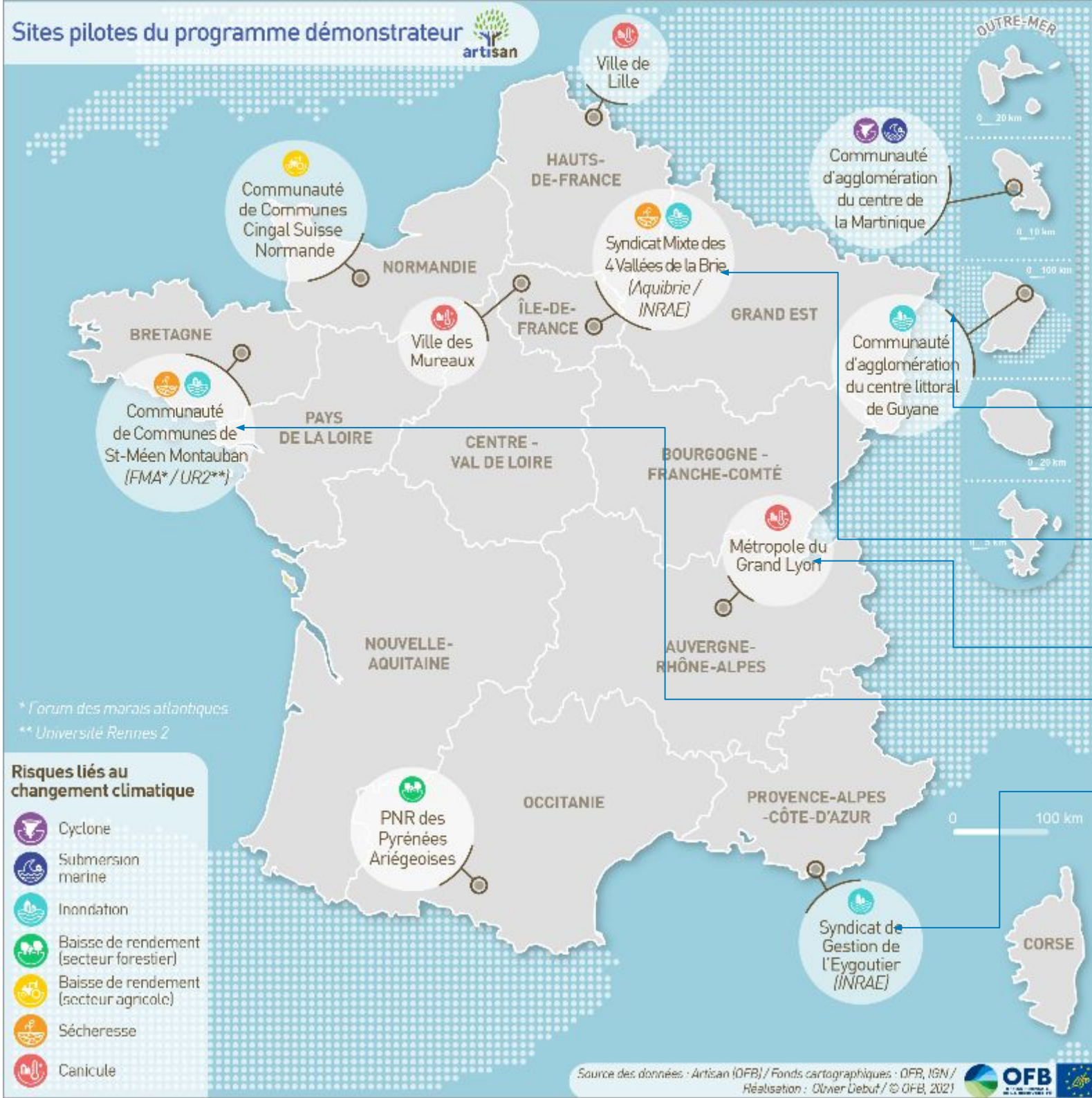
## National action

- Stakeholder support
- Ressource centre

## Regional Action

- Regional adaptation strategies
- Stakeholders network

## 10 pilot sites



5 sites on water related issues (flooding, droughts, quantitative and qualitative management)

River banks, wetland, mangroves, hedges restoration, rainwater infiltration



**Thank you! Merci!**