The project LIFE Eau&Climat (LIFE19 GIC/FR/001259) has received funds from the LIFE programme of the European Commission.

LIFE Eau&Climat project
Supporting long-term local decision-making for climate-adapted Water Management

Mrs. Stéphanie LARONDE
International cooperation director, Office International de l’eau

Session 3C2 - Développer le partage d'expériences en matière de gestion des ressources en eau pour faire face à la pénurie chronique d'eau et aux catastrophes liées à l'eau (y compris les inondations et les sécheresses).

Session coordinated by INBO
(International Network of Basin Organisations)
The project in a nutshell

- **3,7 M €** Total Budget
- **2 M €** EU funding
- **4 years**
- **14 partners**

**Start** 1er Sept 2020

9 territorial partners having different maturity levels in terms of adaptation to climate change -> enable exchanges between pairs and with scientific experts to ensure the relevance of the tools developed.

Our strengths?

Le consortium de projet :

- 5 partenaires techniques et scientifiques
- 9 partenaires territoriaux

Stéphanie LARONDE (OiEau)
Project LIFE Eau&Climat outputs, 9ème Forum mondial de l’Eau, Dakar, 23rd March 2022
Main objectives

❖ Develop decision-making tools for local stakeholder to assess the vulnerabilities of the territory and plan adaptation to climate change;

❖ Facilitate the mobilization of local stakeholder through recommendations based on an analysis of practices;

❖ Improve access to hydro-climatic data with the provision of online data and recommendations on collection and valorization of data;

❖ Strengthen the knowledge transfer and exchanges between researchers and managers, in particular to assist in decision-making;

❖ Ensure replicability and transferability of results.
4 main themes & 21 demonstration actions at local scale

C1: Development and validation of 2 tools to support local decision:
1. Diagnosis of territories vulnerabilities linked to CC
2. Adaptation pathways

C2: Stakeholders mobilisation – practices analysis and recommendations

C3: Ease the access to hydroclimatic data

C4: Reinforce exchanges between pairs and between water managers and scientists

Test of the 2 tools in 3 river basins
Mobilisation of **updated climate projection data** in order to improve the study of the impact of climate change on the management of the Naussac and Villerest hydraulic dams (see photo)

**Increase stakeholders awareness** (communication and meetings) on the actual and future impact of climate change on water resources

Source: [https://www.eptb-loire.fr](https://www.eptb-loire.fr)
Action 8: Citizen observatory to create a territorial spirit to face future climate change impacts

Objective: testing the climate data service access in 4 sub river basins (“French SAGE”)”

This territory (Eastern France) is not yet really impacted by CC.

- Need to mobilize all the actors: water managers, policymakers and citizens with the support of scientific to bring evidence base

Idea: Create a “territory spirit” about the topic of CC

How? By creating a citizen observatory:
- Identification of relevant data to be collected by citizen
- Identification of useful indicators calculable with these data
- Creation of a web interface and a mobile app for results visualization

Source: DREAL Grand-Est
Action 10: pedagogical water level gauges installation under bridges

Objective: assess the effects of climate change on river flows & raise citizen awareness

What? Installation of water level gauges and low-water markers on certain tributaries of the Lignon river

Why? Multiple purpose:
- For water managers: measuring water levels (which can be converted into flows) and warning of the severity of low water
- For all river users: information availability (water level, temperature) with explanations on how to interpret data (explanatory panel)
- For all the citizen: creation of a water observatory centralising all the data on the catchment area to allow visualization and communication
Key messages

Adaptation to climate change for water resources management needs:

❖ To involve all the stakeholders with concerted actions

❖ To explain again and again what is climate change and what are the current and probable future impacts on resources:
  • With simple words (need of scientific mediations to be pedagogical)
  • Based on robust scientific knowledge and figures (with an explanation of the uncertainties)

❖ To facilitate access to hydro-climatic data to carry out impact studies

❖ To move from thinking to action with local adaptation plans legally binded
Thank you for your attention

QUESTIONS?

For more information, please contact:

Dr Sonia SIAUVE (OiEau), project coordinator
s.siauve@oieau.fr

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