The LIFE Eau&Climat project - Supporting long-term local decision-making for climate-adapted Water Management (LIFE19 GIC/FR/001259) – started on September 1st, 2020 for a period of 4 years.

The objective is to support local water resources managers, especially in the framework of the SAGE ("Schéma d’aménagement et de gestion des eaux", the French planning tool for the balanced and sustainable management of water resources), to assess the effects of climate change, to take them into consideration in their planning tools and to implement adaptation measures.
DEVELOP DECISION SUPPORT TOOLS

- Produce two tools enabling local water managers to plan the adaptation of their territory to climate change.
  1. Guide for diagnosing local vulnerabilities, which is an adaptation at the SAGE scale, of the method used by some French Water Agencies to produce vulnerabilities to climate change maps inserted in their adaptation plans.
  2. Web tool and guide allowing to design adaptation pathways, including different adaptation scenarios and strategies identified in a participatory and operational way, on the basis of the Obj ectif Climat Trajectoires tool developed by ADEME.
  3. Demonstration and validation of these tools on three territories:

IMPROVE ACCESS TO HYDRO-CLIMATIC DATA

- Allow local stakeholders to identify useful and relevant data (types and sources) to take into account the impacts of climate change in territorial water management and facilitate the access to these data.
  1. Extension "water" of the DRIAS portal to ensure the provision and the assistance in the use of hydro-climatic data consistent with the reference climate scenarios in France.
  2. Recommendations for the creation of "SAGE and climate" observatories.
  3. Six field actions demonstrating local management of data:

STAKEHOLDERS

- Conduct of a prospective study to define a concerted adaptation strategy.
  1. Guide with recommendations about stakeholders' mobilization.
  2. Six local demonstration actions to test and validate the recommendations.

FACILITATE THE MOBILIZATION OF LOCAL STAKEHOLDERS

- Analyze stakeholders’ mobilization initiatives in order to identify the most appropriate practices according to targets and objectives.
  1. Methodological guide about the relevant hydro-climatic data and models to be used or not, to conduct prospective studies of water availability at local scale (SAGE scale).
  2. Compendium of projects on the theme of "water and climate change" to break knowledge.
  3. Six actions to demonstrate local mobilization of researchers:

STRENGTHEN KNOWLEDGE TRANSFER AND EXCHANGES BETWEEN RESEARCHERS AND MANAGERS

- Enable interactions between researchers and field actors, and facilitate the appropriation of scientific results by making the information understandable to local stakeholders.
  1. "HMUC" quantitative study (hydrology, environments, uses and climate).
  2. Use of satellite data to improve the knowledge of irrigated agricultural areas on the territory.
  3. Creation of a citizen observatory and identification of possible data/indicators to be collected.

ENSURE THE REPLICABILITY AND TRANSFERABILITY OF THE RESULTS IN FRANCE AND IN EUROPE

- Ensure coherence of project’s actions carried out at local scale with regional, national and European policies.
  2. The EAC group (“European Assessment Committee”): group of representatives of European basin organizations.

- More than 10% of the French SAGE participate in the project, the objective is to replicate the results in all the SAGE in France and to transfer them to other European territories.
  1. Network in France and in Europe.
  2. Technical trainings for the private sector.
  3. Tool and guides description sheets.
  4. Networking in France and in Europe.
  5. Common final conference with the Explore2 project.
The LIFE Eau&Climat project was built to address the needs expressed by local water managers to plan the adaptation of their territory to climate change and to take action!

Its main objective is thus to conduct a collective discussion on the actors/data/science triptych in order to produce concrete tools and guides for the entities in charge of SAGE and for their local water commission, while ensuring coherence between the 21 actions carried out locally and the regional and national policies.

This work is based on a partnership composed of 14 partners including 9 territories that can exchange between peers and share their experiences.

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