Incubation and financing of water and climate projects

IN VolvEMENT OF FRENCH WATER AGENCIES IN ADAPTATION TO CLIMATE CHANGE

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Implement water policy in cooperation with governmental services at the basin level

Bring technical advice and financial support to all project managers (local authorities, economic users, associations)

Collect taxes and grant subsidies for actions that preserve water resources and aquatic ecosystems

Manage the basin committee (water stakeholders “Parliament”)

Main objectives:
- preserve water resources and achieve good ecological status for all waterbodies (EU 2000 water framework directive),
- preserve biodiversity in the context of climate change
Climate change adaptation strategies

2015 (COP21): Paris Pact on water and adaptation to climate change in the basins of rivers, lakes and aquifers
climate change adaptation strategies in each French basin
Seine-Normandy basin: dec 2016, oct 2023

Objectives of the Seine-Normandy basin strategy:

1- Reducing water dependency
2- Preserving water quality
3- Anticipating the consequences of coastal erosion and sea level rise
4- Preserving biodiversity and ecosystems services
5- Increasing infiltration to limit runoffs
6- Promote the natural filling of groundwater resources
7- Combating vulnerability to heat waves
8- Supporting stakeholders for profound behavioral changes
Climate change adaptation strategies

Provide **guidelines and tools** for local action:

*Think globally, act locally!*

Plans and measures to be built collectively at the local sub-basin level (**governance**: state/government services, local authorities, industrials, farmers, associations) and shared with all users

Improved and shared **knowledge of the evolution of the water cycle** in climate change context, of the **state of the resource**, of **withdrawals**

Promote **water sobriety** for all sectors and **nature based, multifunctional solutions**
March 2023: national water plan – sobriety as a main objective

€ 475 millions / year additional resources for water agencies in 2025-2030 (taxes)

January 2023: green fund - for accelerating ecological transition in territories – water agencies in charge of two measures

€ 250 millions in 2023 (€ 81.3 millions for the basin)
For the basin: € 19 millions in support of biodiversity
€ 62.3 millions for the renaturation of cities and villages

Since 1964: water agencies (taxes & subsidies)
A mutual organization dedicated to water resources

€ 13 billions for 2019-2024
(€ 4 billions for the basin: water and climate program)
More than 50% dedicated to climate change adaptation

Climate change adaptation funding
Anticipating consequences of coastal erosion & sea level rise

**Basse Saâne 2050 project**

**Multithematic spatial recomposition project**

**Project amount : € 16 million**

**Subsidies amount : € 5 million**

- Strategic relocations (1, 2, 6)
- Improvement of water quality (3)
- Restoration of aquatic and wetland environments (2, 4, 5)
- Flood and submersion risk management (2, 6)
Reducing water dependency
Cristal Union project in Bazancourt

1 million cubic meters of water saved annually
Towards water autonomy for all facilities in 2023

Project amount: € 27 million
Subsidies amount: € 10.5 million

Recovery and storage of process water (50% of the weight of processed sugar beets is recovered)

Replace external water (drilling) with process water
Example: for steam production

Reuse of process water for irrigation in crop cultivation
Preserving water quality & reducing water dependency
Payments for environmental services

Roumois and Plateau de Neubourg Water Union
Project amount: € 1.9 million (2019-2024)
Subsidies amount: € 1.9 million

Individual performance

Collective commitment

61 farmers involved
2,500 ha agricultural areas committed in the water catchment area
Combating vulnerability to heat waves
Increasing infiltration – Preserving biodiversity
An urban forest in Paris

Project amount: € 3 million
Subsidies amount: € 1.3 million

12 400 square meters of project area
Over 4 000 square meters of forest
for a total of 470 trees

60% canopy cover index
50% of restricted area
13 projects incubated over 5 years (2018-2022) in the context of institutional partnerships between French water agencies and foreign authorities.

<table>
<thead>
<tr>
<th>Countries</th>
<th>Territories</th>
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<tbody>
<tr>
<td>Burkina Faso</td>
<td>6 municipalities of Nakanbe basin / Massili basin / upstream of Mouhoun basin</td>
</tr>
<tr>
<td>Cameroon</td>
<td>Sanaga Basin</td>
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<tr>
<td>Malawi</td>
<td>Upper South Rukuru basin and Mzimba river</td>
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<tr>
<td>Madagascar</td>
<td>Districts of Itasy, Haute-Matsiatra, Vakinankartra</td>
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<tr>
<td>Morocco</td>
<td>Sebou basin</td>
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<td></td>
<td>5 municipalities of the Arghen valley and Tiout Oasis - Souss Massa basin</td>
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<td>Niger</td>
<td>Dallol Maouri basin</td>
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<tr>
<td>Senegal</td>
<td>Somone basin, OMVS</td>
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<tr>
<td>Benin</td>
<td>5 municipalities of coastal lagoons (Mono downstream), Lower and middle valley of the Oueme basin</td>
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</tbody>
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Subsidies amount (6 agencies): € 0,65 million
Thank you for your attention!