FRENCH ACTION PLAN FOR RESILIENT AND CONCERTED WATER MANAGEMENT

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1. Challenges of water resources in France
An issue of sovereignty, public health/well-being and biodiversity preservation

WATER USES

WATER WITHDRAWAL

Prélèvements
Moyenne 2010-2019

9% Usages agricoles
16% Production d’eau potable
16% Alimentation des canaux
8% Usages industriels
51% Refroidissement des centrales électriques

WATER CONSUMPTION

Consommations
Moyenne 2010-2019

16% Usages agricoles
26% Production d’eau potable
12% Refroidissement des centrales électriques
58% Usages industriels
4% Production d’eau potable

DGALN/DEB
Water restrictions in the summer period have been increasing for several years.
Studios (Explore 70, currently being revised) show a systematic decline in available resources (groundwater, surface water, soil), particularly during low-water periods.

A sharp increase in the number of dry days per year (source Météo France)

Long-term outlook (source Explore 2070) to 2050:

<table>
<thead>
<tr>
<th></th>
<th>Summer precipitation</th>
<th>Groundwater level</th>
<th>Annual flows</th>
<th>Summer flows</th>
<th>Soil moisture</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>-16 à -23%</td>
<td>-10 à -25%</td>
<td>-10 à -40%</td>
<td>-30 à -60%</td>
<td>-10% à 20%</td>
</tr>
</tbody>
</table>

A decline in average annual flows that varies from one region to another.

Source : BRGM, Explore 70
... which will lead to a transformation of our ecosystems and our relationship with water

- A profound **transformation of our ecosystems** is inevitable

- **Sobriety** is a must

- To improve the **availability of** water during low-water periods, a range of natural and technological solutions must be mobilised.

- Improving **knowledge** and developing **foresight** is essential to anticipate the necessary adaptations
2. Launch of the national "water" plan
An action plan for resilient and concerted water management

- **Green** Nation France's first ecological planning project
- Focused on the **levers to be unlocked to improve water management**, in the short, medium and long term
- Stakeholder **participation** at national (National Water Committee) and local (basin committees) levels
- Presentation of the "water" plan by the President of the Republic on 30 March 2023

**Full press kit:**
https://www.ecologie.gouv.fr/sites/default/files/MAR2023_DP-PLAN%20EAU__BAT%20%281%29.pdf
A plan built around 3 structural issues

1. Organising SOBRIETY use for all actors
   a. Count
   b. Plan
   c. Save

2. Optimising the AVAILABILITY of the resource
   a. Combating leakage
   b. Valorising unconventional waters
   c. Improve or even develop storage in soils, groundwater and structures

3. Preserve water QUALITY
   a. Preventing diffuse pollution
   b. Preserving and restoring the great water cycle

4. Public awareness
   a. General public communication
   b. A consolidated multi-stakholder local governance

=> 53 actions to better manage and adapt the ever looming transformation of natural water cycle due to climate change
3. Current governance in France
Structured but perfectible governance....

- Integrated river basin management
Structured but perfectible governance....

- Governance to be pursued at sub-basin level

- 54% of the territory covered by local plan of water management (203 plans called « SAGE »)

=> Need to strengthen the governance of the sub-basin level in view of climate change issues
4. Concerted and operational governance at all levels
Concerted and operational governance

- Declination of the sobriety objective in each territory
  - Drawing up basin plans for adaptation to climate change specifying trajectories with regard to projected changes in water resources and uses
  - Establishment of quantified abstraction reduction targets in SAGEs and PTGEs
    - -10% less water withdrawn by 2030

- Optimising the availability of the resource
  - Securing drinking water supplies and developing non-conventional waters
    - Develop 1,000 reuse projects across the country by 2027

- Preservation of water quality and restoration of ecosystems
  - Establishment of a water safety management plan for each drinking water abstract
  - Promote projects that are part of an agro-ecological approach and organic farming
    - 100M to finance renaturation projects
    - 70 flagship projects labelled "nature-based » solutions
Implementing the means necessary to achieve the ambitions

➢ Improving the governance of water management
  • Provide each sub-catchment area with a dialogue body (CLE) and a political project for the territory to organise the sharing of the resource

➢ Ensuring adequate pricing and funding levels
  • Ensure the financing of water policy and provide better incentives for:
    >> sober use (« user pays » principle),
    >> preventing and restoring environmental damage (« polluter pays » )
    >> and better network performance
  ❑ Adding 475M€ annual national funding (on top of 2,1 billions € average)

➢ Investing in research and innovation
  • Develop research and innovation across the entire water management value chain in order to achieve innovation milestones
  ❑ 100M€ Innov’eau call for projects (launched in July 2023)
Thank you for your attention ...