

Developing guidance improving water management performance of chemical companies

Workshop on Water Management CEFIC/France Chimie
November 29th 2022

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Supporting members to tackle water scarcity

□ Context

- Water has become an issue of **industrial and environmental performance**
 - climatic hazards are already impacting the availability and quality of this resource and therefore your capacity to produce – *example : Last summer, the water level of the Rein River was so low that many barges could only carry a quarter of their usual load, impacting the supply of chemical industry sites.*
 - the demands of the administration are more numerous and more demanding (reduction of withdrawals, etc.)
- **Water is a lever for improvement** that has not yet been fully exploited
 - direct gains linked to water bills,
 - important indirect gains linked to the reduction of consumption (energy, work time, reagents linked to the use and treatment of water, durability/longevity of installations, etc.)

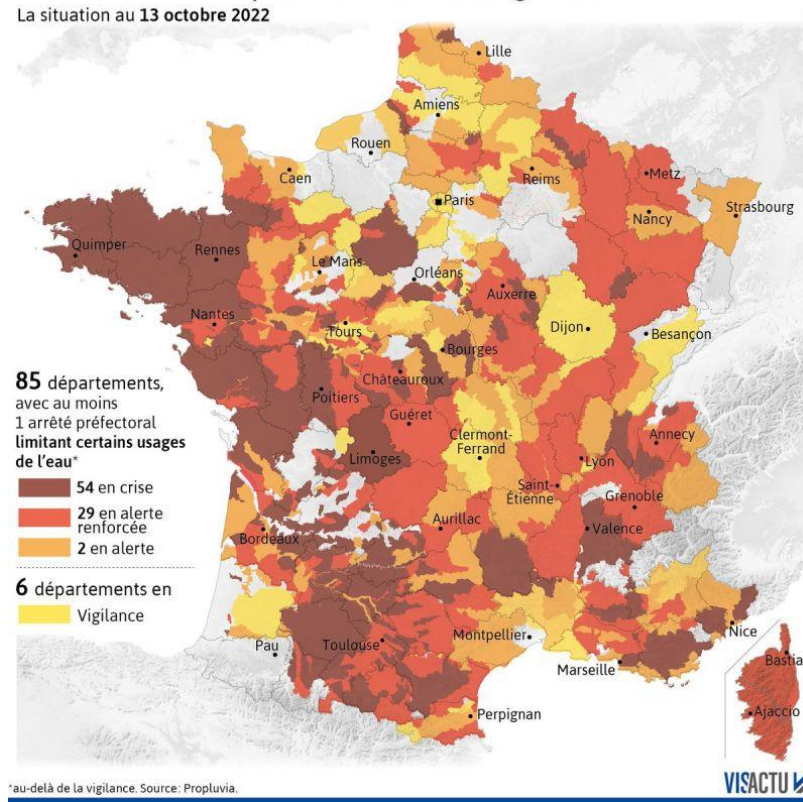
It is therefore in your interest to act to better control your water use.

Supporting members to tackle water scarcity

- On 13 October, 85 French departments are affected by water restrictions, among 95 departments
- During our kickoff webinar, French inspector mentioned that sites should prepare to operate with a reduction of water use of 30% to 50%
- Normandy Region is conducting an action to lead industrial sites to reduce their water consumption

Les zones concernées par des restrictions d'usages de l'eau

La situation au 13 octobre 2022



Supporting members to tackle water scarcity

□ Objectives

- Accompany members to identify and prioritize possible gains and actions to be taken
- Enable the industrial sites to better defend themselves in front of administration in case of crisis leading to stop certain activities
- Improve image of industry vis-à-vis other users, regarding efforts made

Program is held in cooperation with consultant Aquassay.

□ How ?

- Develop and provide information and tools that will enable FC members to move forward independently in **analyzing their own situation** and **prioritizing the actions to be taken**
 - Water Management Maturity Self-Assessment Tool
 - Practical guide for water efficiency of sites

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❑ FSAT (Factory Self-Assessment Tool)

- ❑ Self-assessment questionnaire for sites on their responsible water management (~40 simple questions about maturity on water, data, management and governance issues)
- ❑ Aim: to help companies to identify weaknesses and possible improvement

❑ Practical guide for water efficiency of sites

- ❑ Why is it important to manage water on sites and improve water efficiency?
- ❑ Practical solutions to improve water efficiency
- ❑ Assessing the **real cost of water** :
 - ❑ Direct costs
 - ❑ Indirect costs : could be estimated to 10 times higher than direct costs
 - ❑ Cost of lacking water leading to reduction of production
 - ❑ Cost of non-quality
 - ❑ Costs of legal actions
 - ❑ Image
- ❑ Illustrations with concrete cases

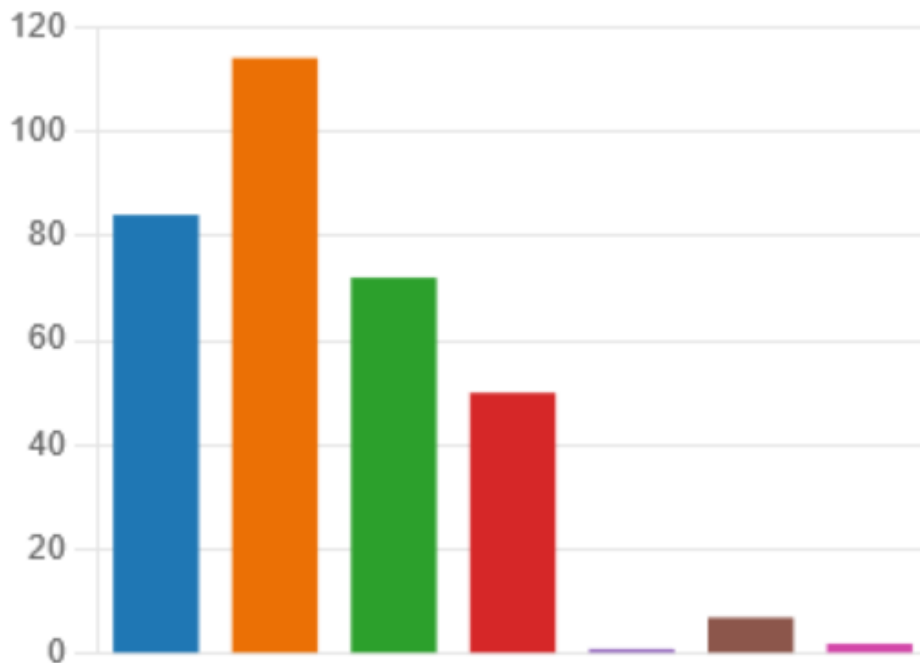
Description of the support program

□ Course of the program :

- **November 9:** Meeting between key FC members: constitution of a pilot team and distribution of actions
- **October/November 2022 :** Survey among 140 members of France Chimie about water issues
- **November 16:** Kick off webinar: presentation of the program issue and the new water issues for industry- more than 100 participants
- **January 2023:** introductory webinar on the tools that will be made available for FC members: self-assessment tool and chemical water guide
- **Early 2023:** launch of the Water Management Maturity Self-Assessment Tool
- **Summer 2023:** publication of the water guide.

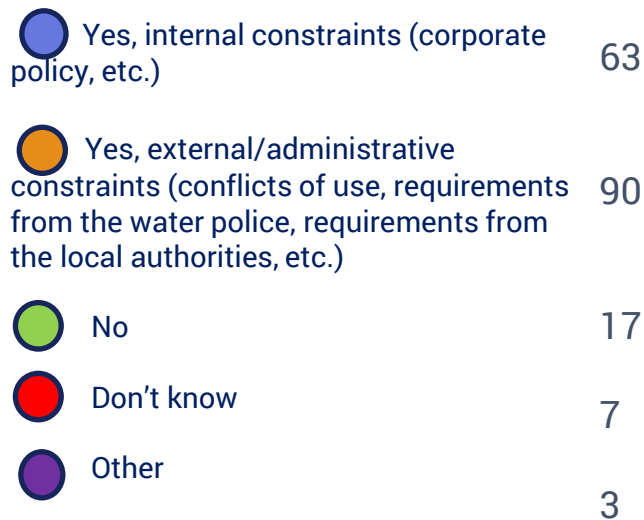
Results of the survey

Do you think that water is or will become an issue for your site?



Results of the survey

Are you already subject to water-related constraints?



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