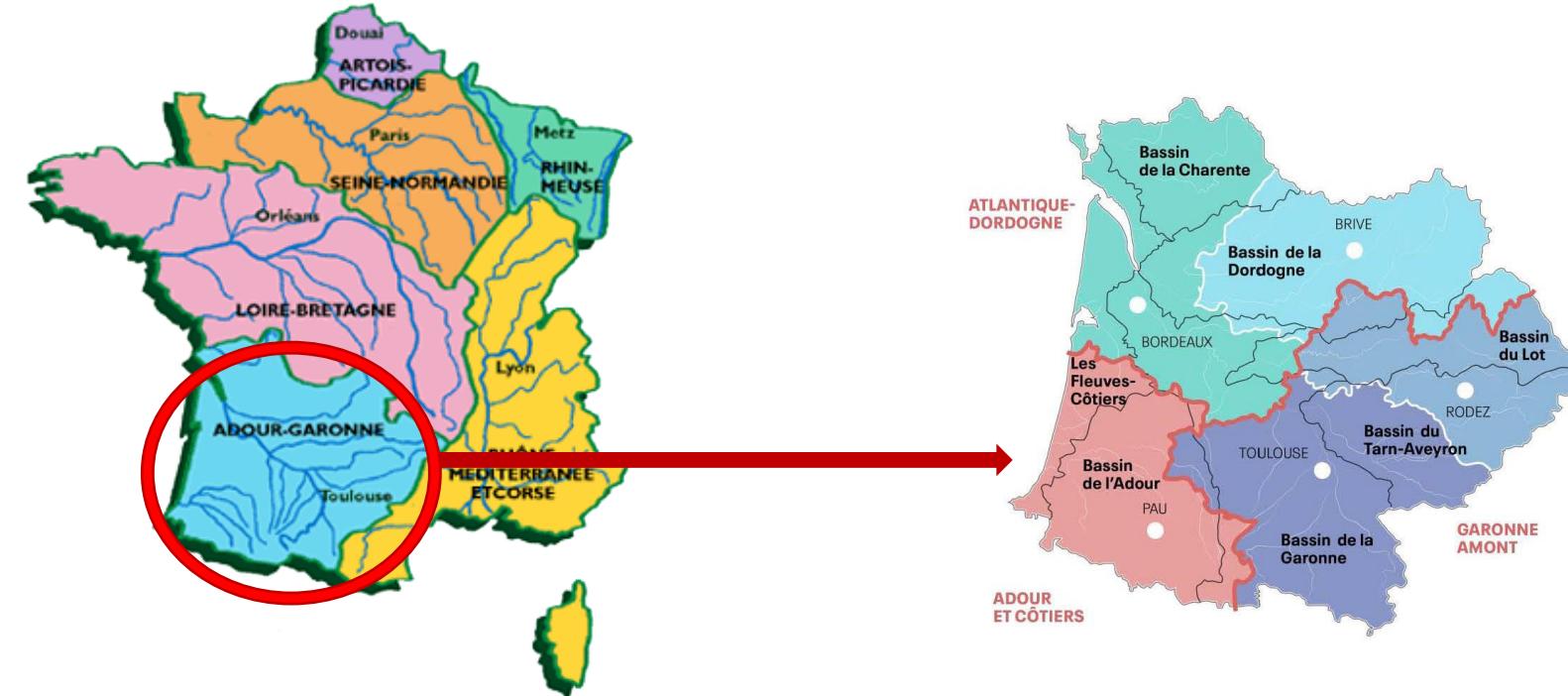


The Water Information System of the Adour-Garonne basin

Mr. Marc Abadie – Senior advisor of the Adour-Garonne French
Water Agency



XVIII
World Water Congress
International Water Resources Association(IWRA)
Beijing, China | September 11-15, 2023

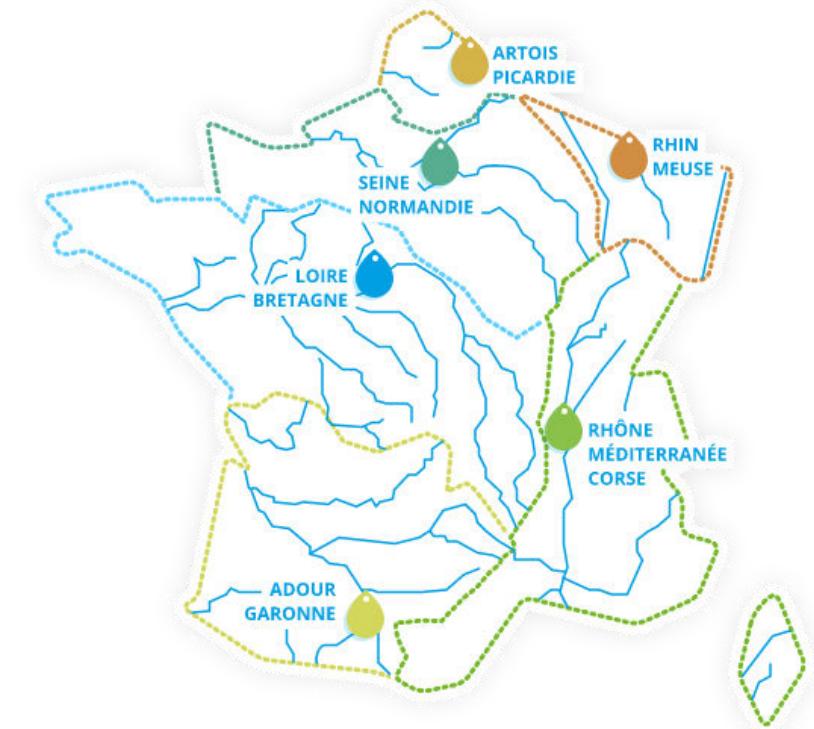


National French Water Information System



The French Water Information System

- Created in 1970,
 - Aims to collect, store and disseminate data and indicators on water; on aquatic environments and their uses; and on public water and wastewater services, in accordance with article L. 213-2 of the French Environment Code.
 - The national level is responsible for guidelines, common specifications and overall consistency of the WIS. The Basin is responsible for drawing up and implementing water data master plans (SDDE).
- The national WIS is deployed in each French watershed by the Water Agencies.



How does the WIS in the Adour Garonne basin work?

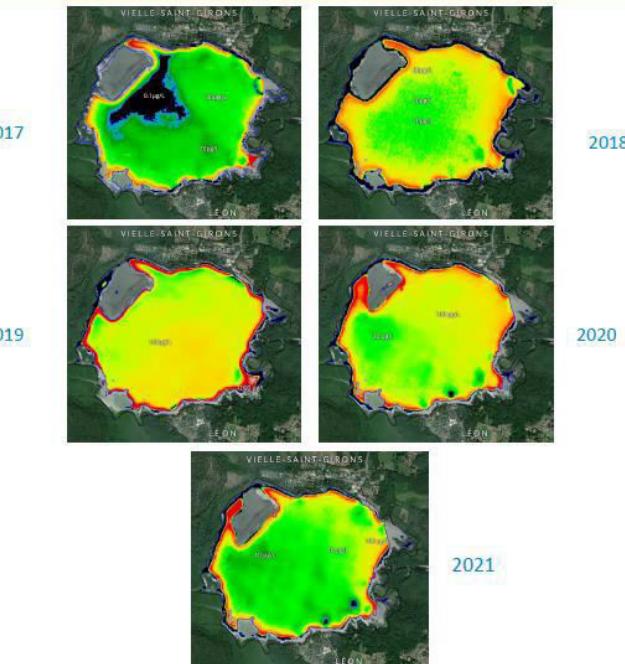


Water Agency sampling in the
Aussonnelle river (31)



Laboratory at the Pech David drinking
water production plant in Toulouse (31)

- Between 1971 and 2015 : growth from 250 to 2000 data collection stations
- 120,000 km of waterways (lakes, rivers, groundwater, small and large streams, estuaries)
- From 25 000 to 1,5 million data collected every year



Development of cyanobacteria on Lac de Léon,
satellite imagery

Data use by basin organizations



- Year-on-year comparison of river conditions
- Prevent and act upstream to restore water quality
- Monitoring the state of water resources
- Informing the population about natural hazards
- Sharing environmental knowledge with the public
- Defining national and European water policy



Publicizing data

- Free access to data hosted by the Water Agency
 - A free App : *Qualité Rivières*

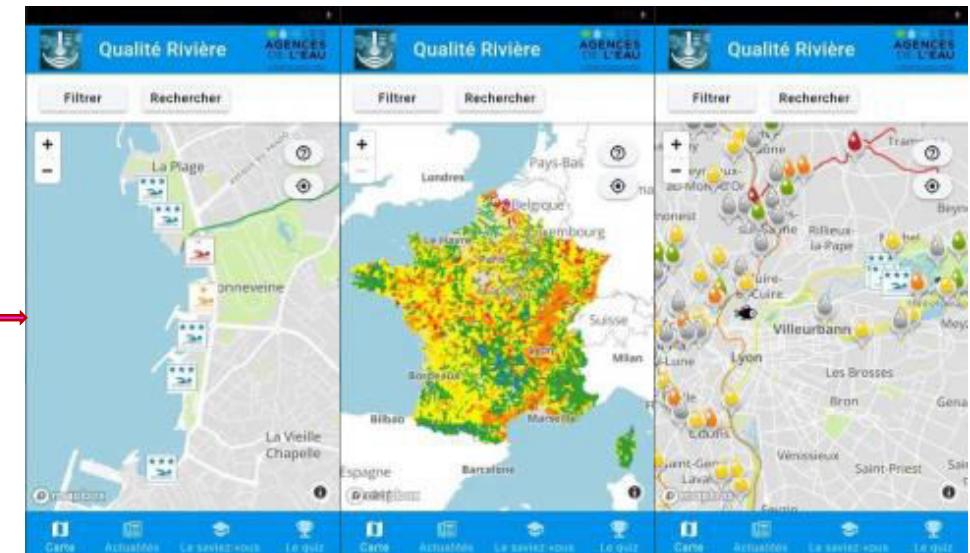
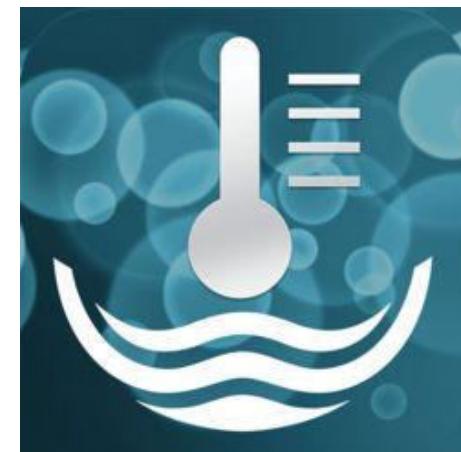
The screenshot shows the homepage of the Adour-Garonne water portal. On the left, a sidebar lists various menu items such as Accès cartographique, Accès par thématique, Catalogue de données, etc. The main content area is divided into two main sections: "Accéder aux données sur l'eau :" and "Comprendre les données sur l'eau :". The first section contains links for Accès cartographique, Accès par thématique, Catalogue de données, Ma commune, and Accès aux fiches... The second section contains links for Organisation du SIE, Politiques d'action et gestion de l'eau, and Synthèses des connaissances sur le bassin. At the bottom, there is a news section and a footer with links like Plan du Site, Mentions légales, and Eau France.

<https://adour-garonne.eaufrance.fr>

Map data available

The screenshot shows a dashboard titled "La surveillance des milieux aquatiques du bassin Adour-Garonne". It features a large map of the basin and several smaller maps and charts. Key sections include "Le bassin en chiffres", "Des milieux aquatiques sous surveillance", and "Actions réussies et enjeux pour le futur". Below these are three circular icons labeled "Les rivières", "Les lacs", and "Les eaux souterraines". The footer includes links for À propos, Partenaires, Toutes les données du SIE, Préférences de navigation, and social media icons.

<https://surveillance.eau-adour-garonne.fr>



Qualité Rivières

Preventing flood risks: PGRI, SDAGE and SCHAPI

- The Flood Risk Management Plan (PGRI): defines the policy to be implemented to ensure the safety of populations and reduce the damaging consequences of floods on society, the environment and property.



The Roya Valley, 2020



Nemours (Seine-et-Marne), 2016

- The SDAGE: Action plan that meets the European Water Framework Directive's obligation to achieve good status for rivers, lakes, groundwater, estuaries and coastal waters.
- SCHAPI : Based in Toulouse, the Central hydrometeorological and flood forecasting support service (SCHAPI) produces and distributes continuous flood watch information.

- Eighth public information campaign for populations exposed to intense Mediterranean rainfall, runoff and torrential flooding. In French departments near the Mediterranean Sea, this risk affects over 9 million people. ([Link toward the article: Prévention des pluies intenses et des inondations : la nouvelle campagne est lancée \(banquedesterritoires.fr\)](#))
- Two information sites on flooding and the risk of flooding in each basin have been set up for the population:



[Vigicrues: Carte de vigilance crues nationale](#)



Géorisques
Mieux connaître les risques sur le territoire

Merci ! Thank you! Any question?

Twitter: @Adour_Garonne

LinkedIn: agence de l'eau Adour-Garonne



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