

THE REPHY, AN OUTSTANDING MONITORING NETWORK: 30 YEARS OF DATA



SAMPLING



ANALYSES



**DATA
MANAGEMENT**



**STATISTICAL
ANALYSIS**

The French Observation and Monitoring Program for Phytoplankton and Hydrology in Coastal Waters is carried out by Ifremer since 1987.

3 COMPONENTS

Environmental monitoring
Health risk monitoring
Observation

OBSERVATION

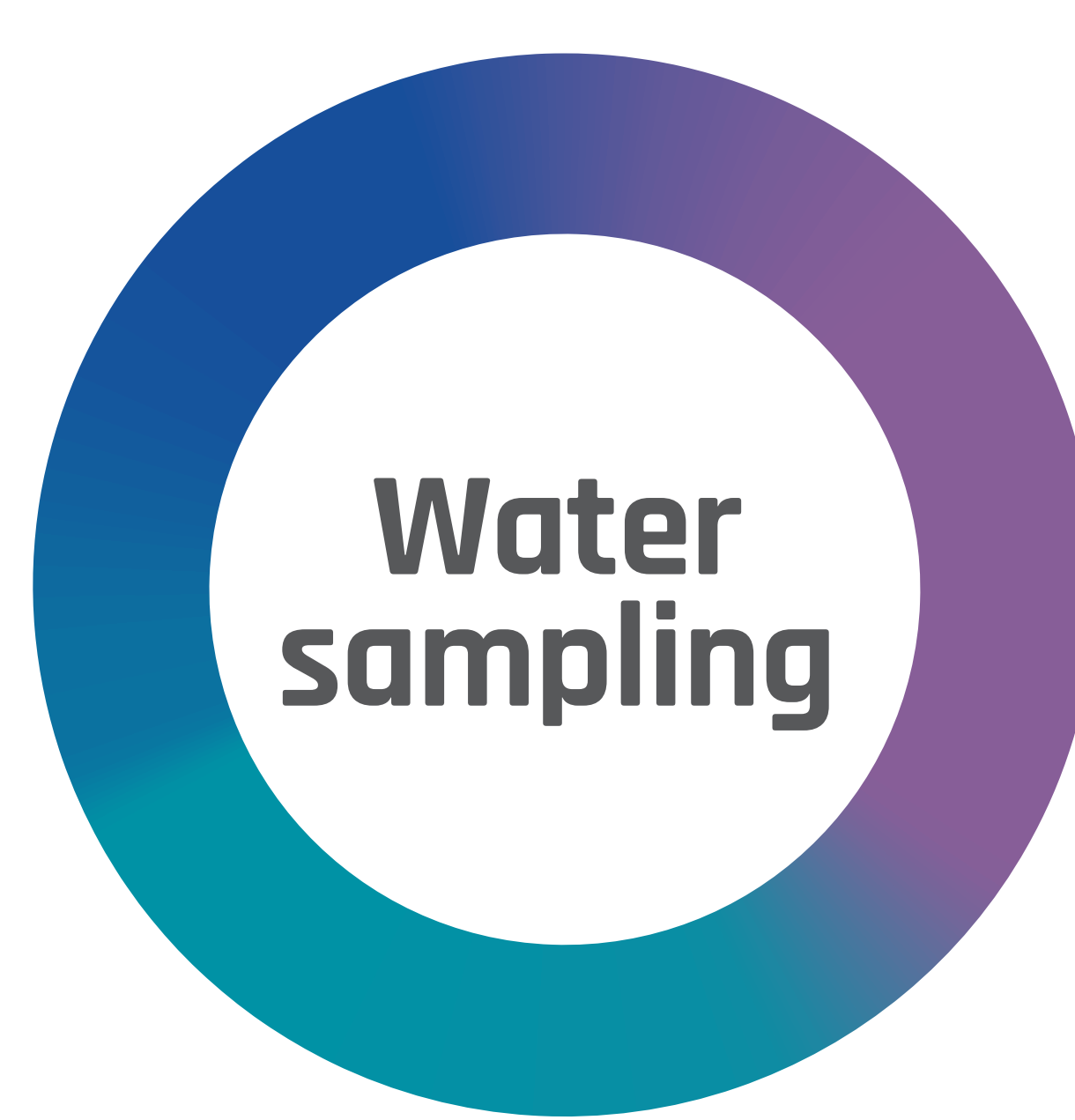
- ALL SPECIES FORTNIGHTLY SAMPLED

Phytoplankton composition and abundance monitoring for scientific knowledge

WFD/MSFD MONITORING

- BLOOMING SPECIES MONTHLY SAMPLED

Environmental monitoring: european directives



TOXIC ALGAE MONITORING

- TOXIC SPECIES WEEKLY* SAMPLED
*according to context

Shellfish harvesting areas monitoring
Health risk assessment



REPHYTOX
Shellfish sampling:
Toxins monitoring in shellfish (ASP, DSP, PSP)



9 COASTAL LABS NETWORK

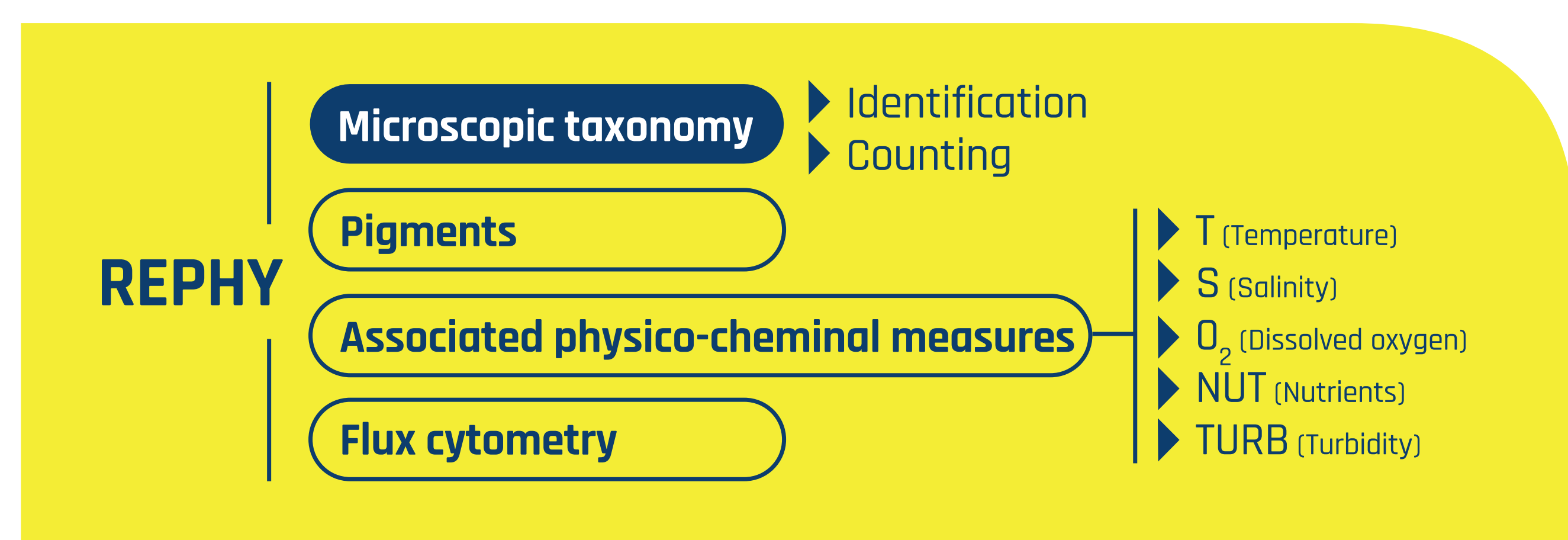
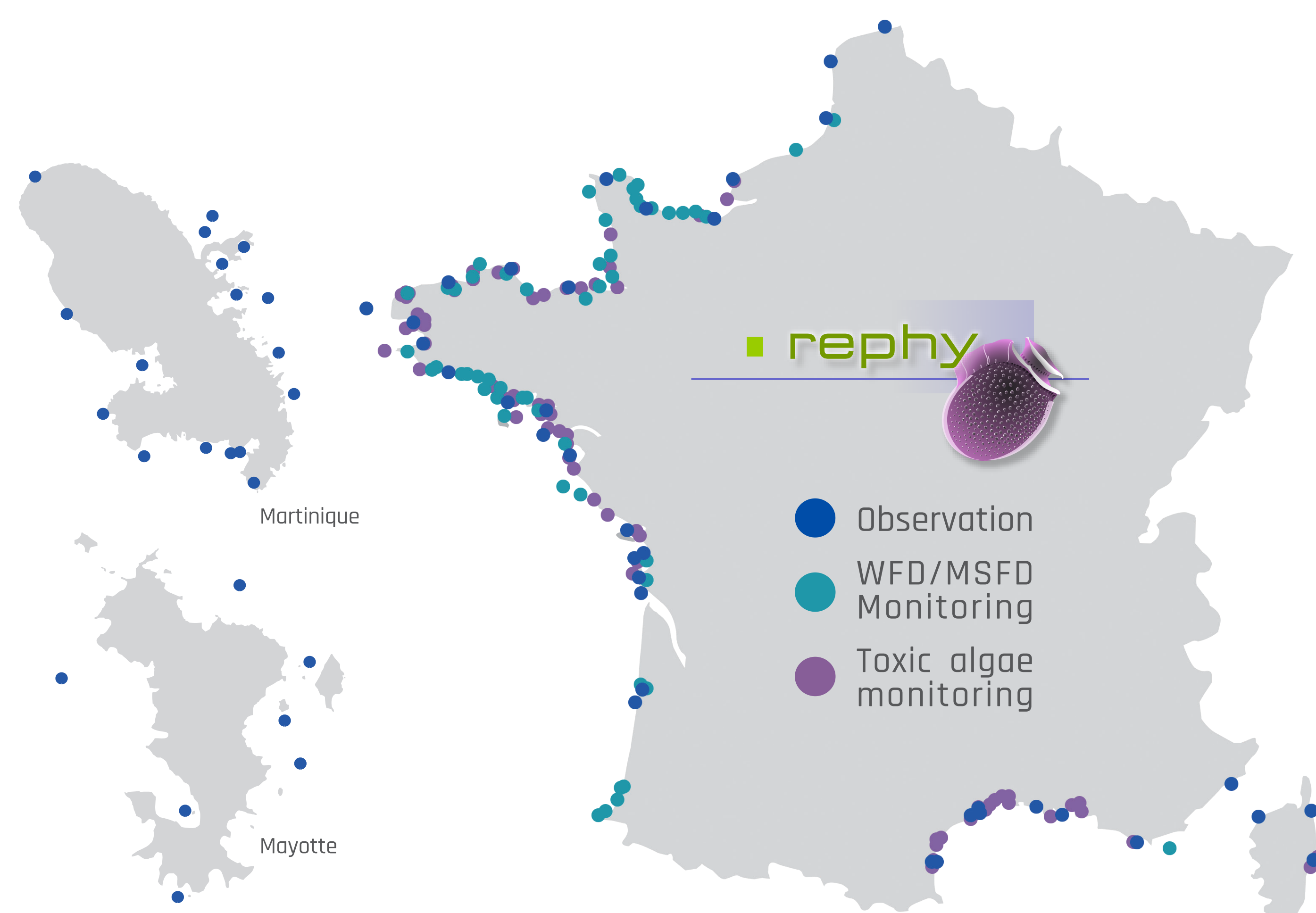
- Local presence for sampling and analysis
- Knowledge of local and regional context for expertise

220 SAMPLING LOCATIONS

in mainland France and two French overseas territories

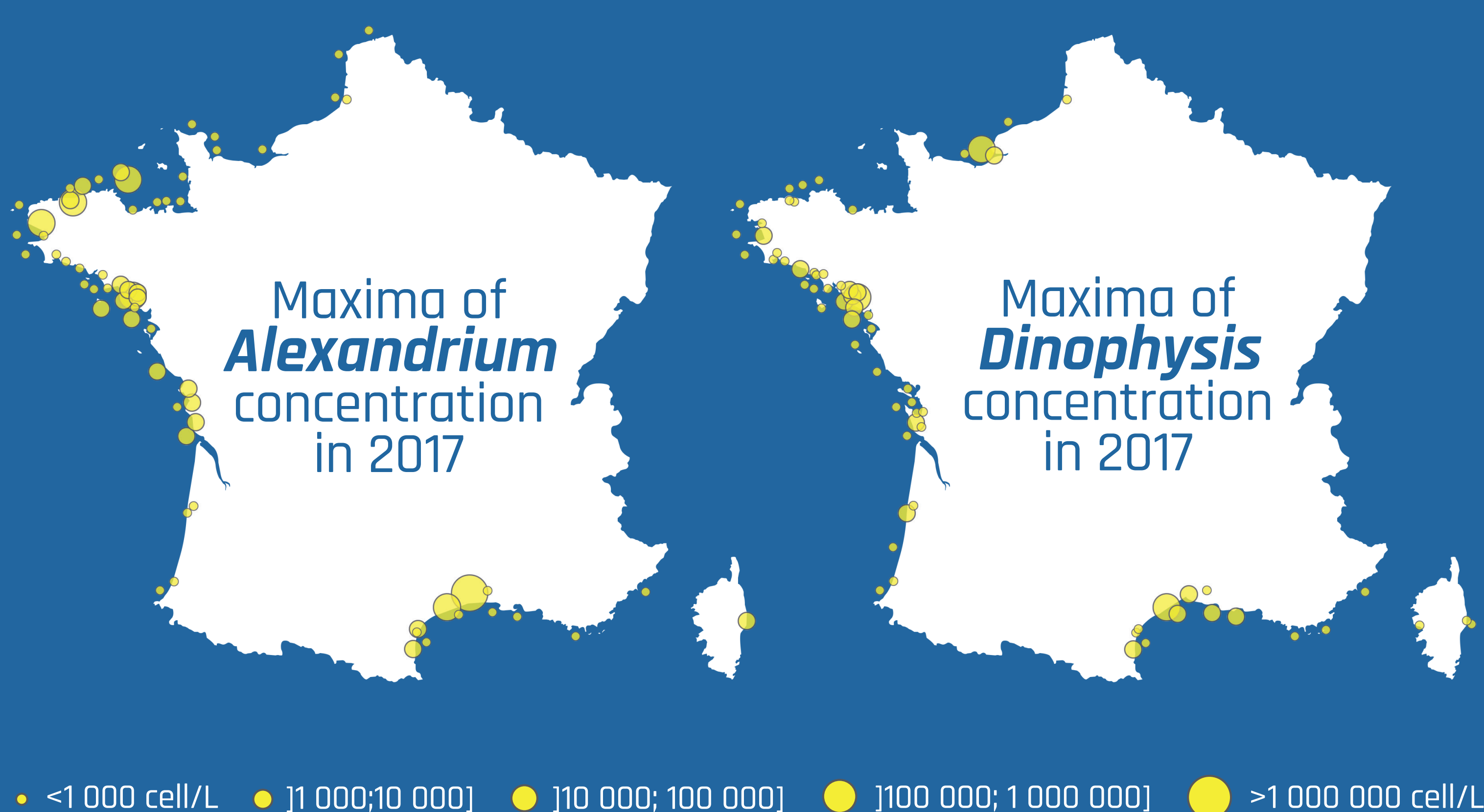
30 YEARS OF DATA in the Quadrige data base:

- A large taxonomic coverage for micro-phytoplankton
- Access to data for expertise and research (e.g. CoCLiME, ICES-WGHABD)
- REPHY Observation is contributing to PHYTOBS, a National Observation Service supported by IR-ILICO

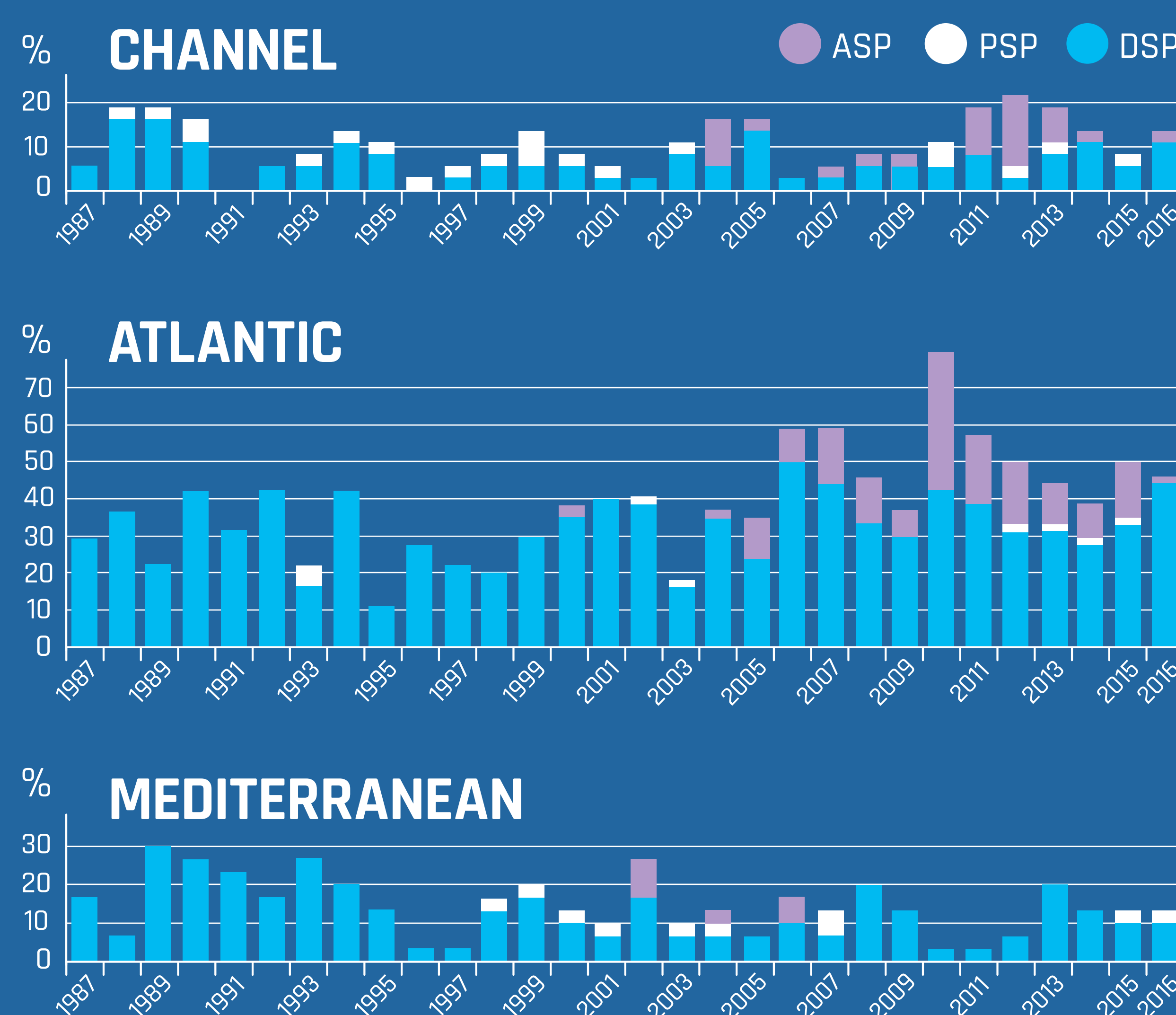


Different products of development with REPHY data

ParamMaps (<https://envlit.ifremer.fr/>), Time series and statistical analysis, Annual monitoring report, ...



Areas affected by toxins above regulatory threshold at least once for a year



Ifremer

