

ArgoHydro, Argonautica for rivers & lakes

ArgoHydro proposes teachers and students to explore the impact of environmental and climate variations on our planet's water resources using satellites and experimental buoys.

Data Access

A new interface to access hydrology data for teachers and students is now available.

- with altimetry data alone for now.

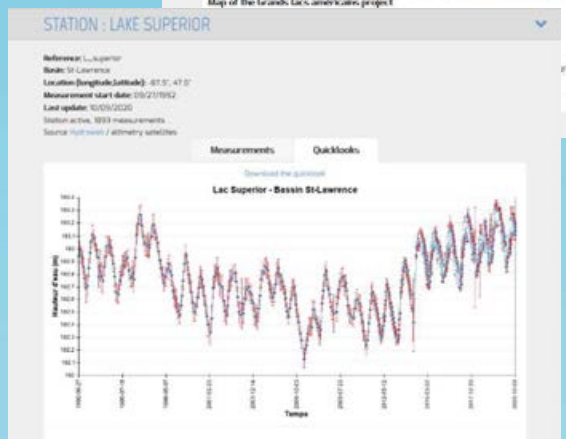
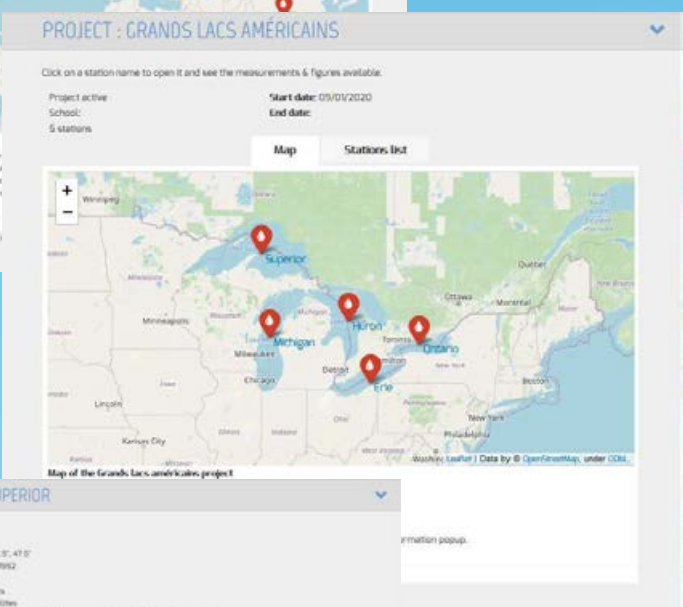
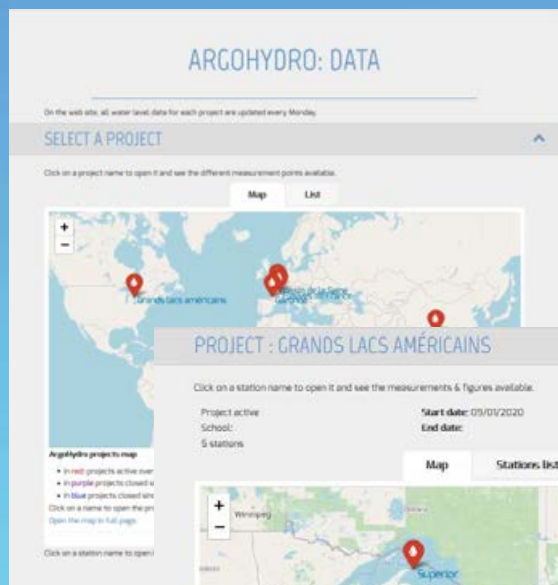
- in the future, in situ & other satellites' measurements,

- and of course Swot data

Updated every Monday

In French and English

A use case using Python or spreadsheet software available.



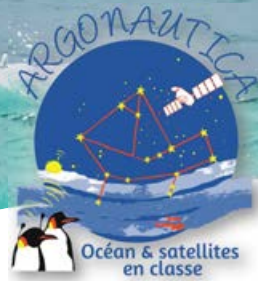
Classes can define a "project" by choosing "virtual stations" on rivers and also lakes (within the HydroWeb catalog), then visualize the trends, or plot the data themselves, compare with *in situ* data they can find.

http://argonautica.jason.oceanobs.com/html/argohydro/welcome_uk.html

For more information, register for free (ArgoHydro) :

<https://enseignants-mediateurs.cnes.fr/fr/argonautica-inscription>





The BOOPY buoy with **Argonautica**

To design and place on board you experiments

An educational project to study the oceans with satellites, in connection with school programs.

An à la carte buoy

Named **Boopy** contraction of Buoy-Python, the buoy offers a diversified pedagogical potential materialized in form of six modules :

- **Science** module (Sensors, Measurement)
- **Energy** module (Solar charger)
- **GPS** module (Location, Time, Trajectory)
- **Data** module (Programming, Algorithm)
- **Transmission** module (Iridium modem)
- **Hull** module (Materials, Design)

Scientific and pedagogical project

Your project must be based on a local or global scientific issue related to the study of the ocean or waterways (rivers or lakes)..

The allocated buoy is functional and allows you to develop your pedagogical project using one or more modules proposed as a teaching aid.

Resources and support

All information on the design, development and use of the modules is available online.
(Python programs, assembly drawings and electrical diagrams)..

A training trunk is available. It allows a concrete appropriation of the project by the teachers but can be used to carry out small workshops for the students.

For more information, register for free (Argotechno) :

<https://enseignants-mediateurs.cnes.fr/fr/argonautica-inscriptions>