



Gybe

Water Quality Monitoring

**Water is complex.**  
With GybeMaps™  
for the first time, access  
**a whole new level  
of water quality  
information.**

# Introducing GybeMaps™.

The right data, from anywhere, at any time.



## 1. No more blind spots

Automatically track what is going on across the surface of the entire water body.



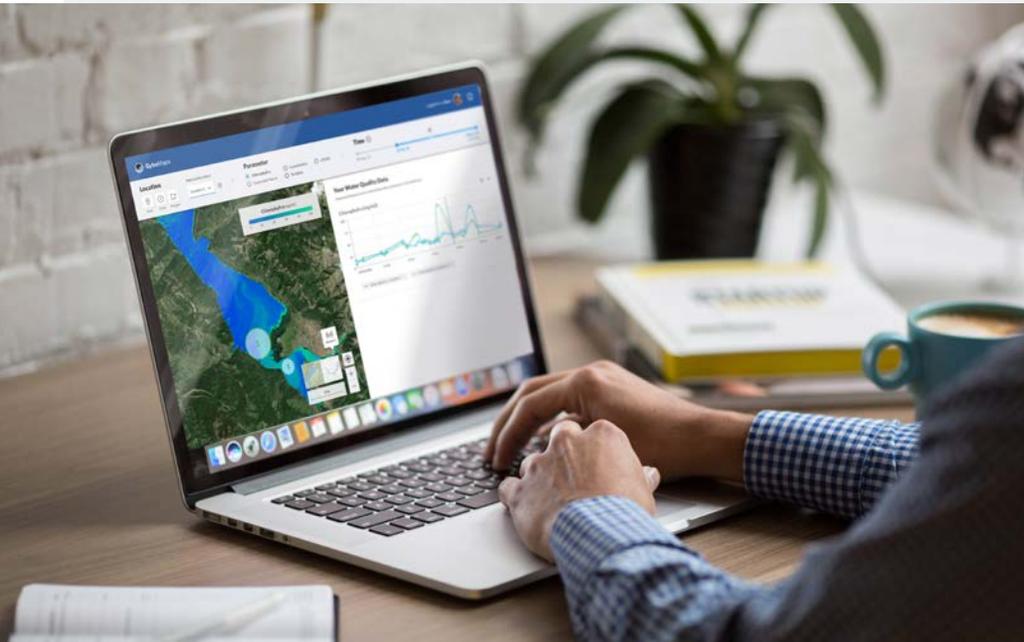
## 2. Detailed data where it matters most

Dig into detailed data on any location, from today all the way back to 2016.



## 3. Lower your costs

Costs per measurement are orders of magnitude lower than alternative solutions.



Pro-actively manage your water, by tracking changes in quality as they happen across the entire body of water, by digging into more detailed data about the most effected areas, and analysing long term shifts across the waterbody.

## WHAT WE OFFER YOU



### The Right Data

Full coverage of the watershed enables you to discover important areas, and pull up the detailed data for any location of interest to you.



### Automatic, near real time data

Convenient, continuous, data: easy sensor install with minimal maintenance needs, continuous data feeds.



### Your data, at work

Get more out of your data, with less effort and in less time, with Gybe's easy to use visualisation, analytics and reporting tools.

# Meet GybeMaps™

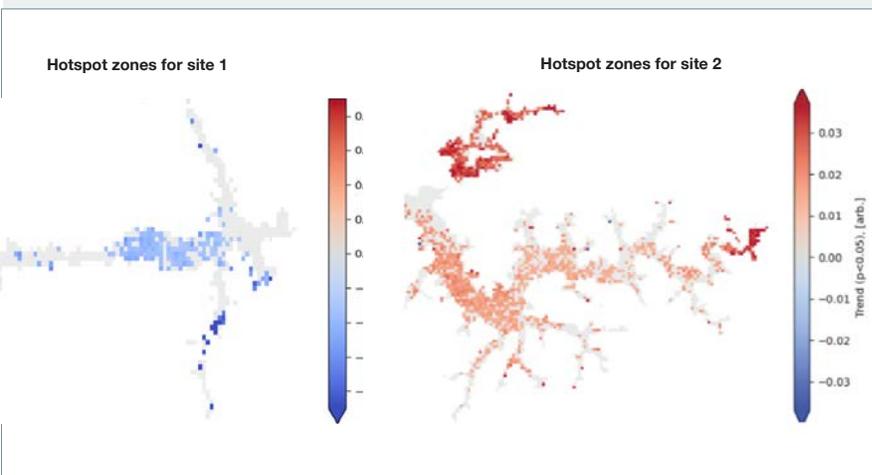
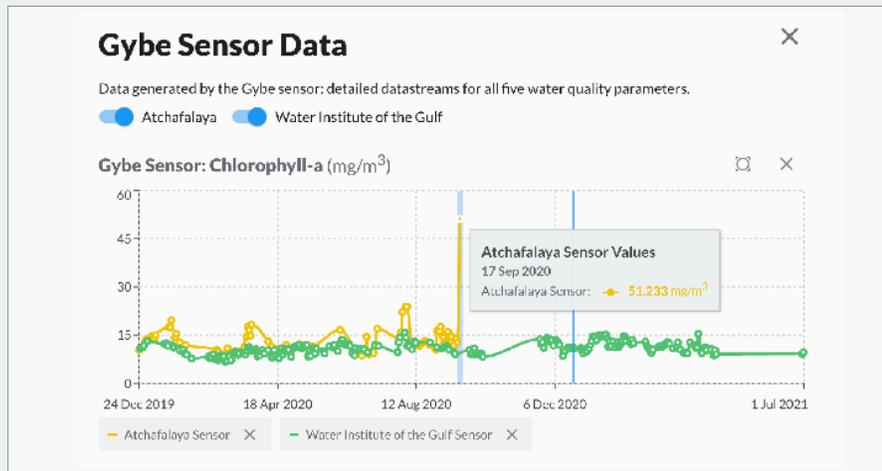
Your one stop shop to track and explore your water quality data.

**Contact us**  
at [info@gybe.eco](mailto:info@gybe.eco)  
to set up a demo of one of  
your critical watersheds.

GybeMaps™ is an easy to use, in-browser web-app. Get started right away: no software installation

## SEE WHAT'S HAPPENING NOW

Be the first to know what's happening, and never miss a thing: Gybe will alert you to let you know what's going on anywhere in the watershed, when your thresholds are exceeded.

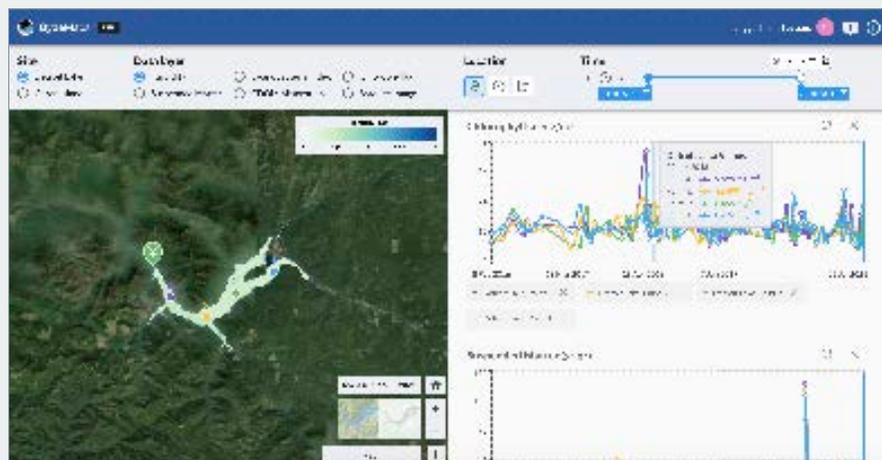


## ANALYZE

Gybe's built-in Analytics tools help you derive meaningful, scientifically valid results, easily. Skip the manual work: export analysis results as reports to share within your team and with partner organisations.

## EXPLORE

Dig deeper into your extensive water quality database, and easily compare different locations and sites with each other, both spatially and in time, from 2016 to today.



# Case Studies



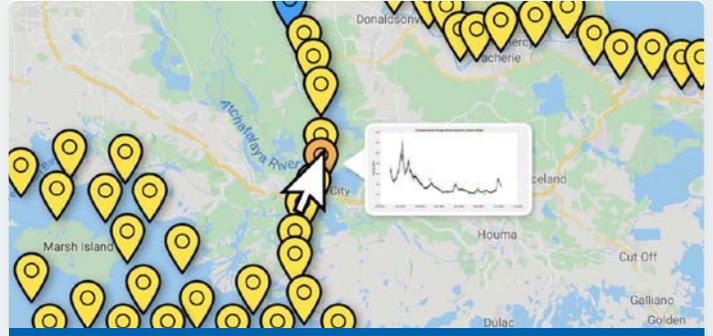
## Keeping water safe, as water quality becomes more complex and uncertain.

### CONTEXT

A range of changes, including deforestation, wildfires, and increased nutrient runoff, are increasing the complexity and uncertainty of the water quality conditions in the source water supply for the city. The prevalence of harmful algal blooms, excess sediments and new contaminants is on the rise.

### WITH GYBEMAPS™

Issues developing in previously-unmonitored parts of the reservoir are now detected sooner, allowing a shift away from reactive management when a change is detected, towards planning ahead more pro-actively.



## Monitoring water quality change along entire rivers to track ecological impact.

### CONTEXT

TNC's healthy rivers initiative aims to optimise water releases from the dam in a way that improves downstream ecosystem health. They are currently testing what the downstream effects of differently timed releases are on multiple water quality parameters are.

### WITH GYBEMAPS™

TNC now tracks what is happening in locations along vast stretches of river, which increases the available data by orders of magnitude, which drastically improves the accuracy of impact assessments.

# What customers say



**Bryan Piazza**

Director of Freshwater and Marine Science, Louisiana

"We now have the potential to get never before seen insight about nutrient distributions across a watershed and begin to accurately assess the impact conservation efforts are having to improve water quality."



**Brandin Hilbrandt**

Watershed Program Coordinator: Drinking Water

“GybeMaps is an innovative tool used to see what is happening throughout the watershed, the primary source for drinking water. It helps me take action quickly, use past events to further analyze their impacts and anticipate future changes.”



**Andre Fourie**

Global Director of Water Sustainability

"GybeMaps makes it easy for us to understand water quality in our high risk watersheds around the world, while tracking the impact that our conservation efforts have on water quality".



# Technical Summary

Is Gybe the right solution for you?

## TYPES OF WATERBODIES

We monitor inland surface water.



Lakes



Rivers



Coastal Areas



Reservoirs

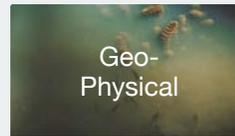
## WHAT WE MEASURE

We cover a range of water quality parameters, and are adding more to our portfolio continuously.

Our Water Quality Parameters:



**Chlorophyll-a**  
[mg/m<sup>3</sup>]  
**Cyanobacteria Index**  
[from -1 to 1]



**Turbidity**  
[FNU]  
**Total Suspended Sediments** [g/m<sup>3</sup>]



**Colored Dissolved Organic Matter (CDOM)**  
[1/m]

## Meet some of our customers

We're working in 17 watersheds on 4 continents



## Product features

	Water Sampling	Satellite Data	GybeMaps™
<b>Up to date data</b> Frequent new data updates			✓
<b>Fully automatic</b> No processing or field work needed			✓
<b>Overview over large areas</b>		✓	✓
<b>Detailed data for areas of interest</b> Easily compare different sites	✓		✓
<b>Access to historical data</b>		✓	✓
<b>Easy access and data browsing</b> No need to be an expert to generate value			✓
<b>Analysis tools</b> From data to water quality insight			✓
<b>Easy data export</b> Use the programs you prefer, no manual data entry or copy pasting.			✓
<b>Automated reports</b> Well designed charts, analyzes and data-map images for presentations and sharing			✓

### DATA DETAILS

#### Satellite Data

**Spatial resolution:** 10-20m nominal

**Data frequency:** new data map images every 5 days on average

**Historical data:** typically back to 2015-2016, depending on the location.

#### Sensor Data

**Data frequency:** New data reading every 15 min, updated in GybeMaps™ daily. The sensor samples every 3 seconds, and data is processed in order to improve signal-to-noise ratio and remove fluctuations due to environmental conditions. Data is generated continuously during daylight hours.

### Contact us

at [info@gybe.eco](mailto:info@gybe.eco) to find out more!



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The right data, from anywhere, at any time.

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