

SeaTopic

from expertise to operation

Ocean and inland waters

From data acquisition to end users' applications

SeaTopic provides expertise and technologies for a sustainable exploitation of salt/fresh water and water ways.

SeaTopic was created with sound competencies in oceanography/hydrography, a portfolio of proven technologies and a consequent international cooperation network.

Our rationale is to gather the best expertise and techniques to provide quality solutions for our customers: from data acquisition, to modelling and forecast services, up to user applications.

SeaTopic responds to the demand through a very flexible approach:

- Partnership for setting up or contributing to cooperative projects
- Contract for the provisioning of services, products, or simply expertise/ advice
- Support for the search of suitable funding programs
- Umbrella for projects in line with our vision and ethic, for professionals who need an international legal framework for developing their activities



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Fields of activities



Surveys:

Based on its internal experience and technologies **SeaTopic** organizes oceanographic/ hydrographic/ geophysical surveys in fluvial and marine medium.

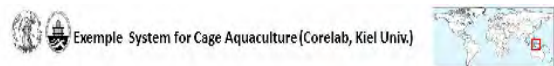
The company can on demand find funding, organize the campaigns, or just provide technology or expertise.

Ocean monitoring, data acquisition, modelling and forecast

The company proposes a portfolio of products for monitoring coastal water (and fresh water):

- from simple sensors for water quality, detection of pollution, to integrated buoys
- HF radar for a precise and reliable measurements of surface winds, waves and currents

SeaTopic provides its competencies in assembling monitoring networks, modelling systems to develop forecast services tailored to the needs of its customers.

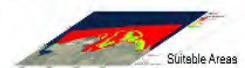


Monitoring, modelling and forecast

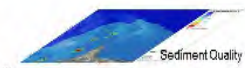
Products:

- Best locations for sustainable farming
- Production rates
- Farms layout

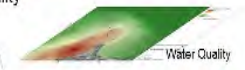
Models for flow, waves, water quality



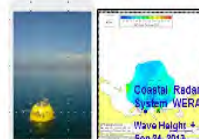
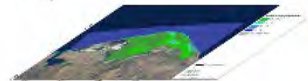
Suitable Areas



Sediment Quality



Water Quality



Maritime and inland navigation



Digital navigation

SeaTopic develops advanced solutions for improving maritime, port and inland navigation, combining:

- Positioning systems,
- meteo-oceanography,
- hydrography,
- digital chart production chains (ENC, port, pilot, fluvial ENC)

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Aquaculture and mariculture

Oceanography / hydrography is one basis of sustainable aquaculture. This may appear as a strange declaration. However, selecting the location of the farms, deciding their spatial distribution, monitoring water quality, detecting micro-pollutants or lacks of nutrients, forecasting pollution and risk.

This service enables developing a sustainable fish or shellfish farming system, in salt or fresh water.

Environmental quality

Water quality monitoring, hydrographic and oceanographic data and models enable providing accurate and reliable real time and forecast information on environmental quality.

This application is one fundament of “Blue Growth” with quality protection. It is also the platform to produce high quality sea products, in particular algae whose valorisation chains require clean cultures.



Erosion – risks management

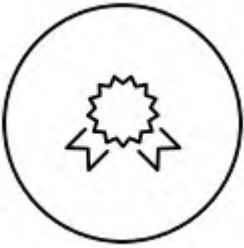





Erosion, as natural risk, is a quite common phenomenon, of sometimes dramatic impacts. It is not a fatality.

Hydrographic and oceanographic models enable understanding local processes responsible of erosion.

Based on that understanding **SeaTopic** provides solutions to mitigate coastal or fluvial erosion, promoting soft techniques, efficient and less expensive than hard works.

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Portfolio

 <p>Expertise</p> <ul style="list-style-type: none"> ▪ oceanography, ▪ hydrography, ▪ meteorology ▪ marine geophysics ▪ coastal ocean modelling ▪ Meteo-ocean forecast ▪ Pollution detection / mitigation 	 <p>Products</p> <ul style="list-style-type: none"> ▪ Water quality /properties: salinity, O2, Ph, turbidity, micro-pollutant, etc. ▪ HF radar and met-ocean monitoring ▪ Electronic Navigation Charts (ENC, inland, ▪ Space, robotics & digital technologies 	 <p>Applications</p> <ul style="list-style-type: none"> ▪ Coastal environment ▪ Risks management ▪ Navigation, shipping, in coastal, ports approach, inland waterways ▪ Port services ▪ Aquaculture ▪ Marine energy
 <p>Hosting</p> <p>We welcome you to develop your project and activities in a legal international framework</p>	 <p>Partnerships</p> <p>We establish partnerships to challenge complex development projects and promote excellence.</p>	 <p>Funding</p> <p>We help you selecting and applying to the most suitable funding programs.</p>

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