

Exploration de l'océan par des robots sous-marins

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Des satellites dans l'océan

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Curiosity : Robots are needed for dirty, dangerous and dull jobs



About 3,600 satellites in orbit.

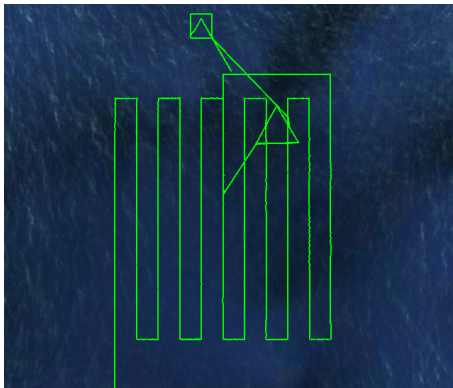
In the ocean, we have gliders, drifting buoys.

In the ocean, a robot could be autonomous in energy, and could survive for years (**persistent autonomy**).

Vaimos



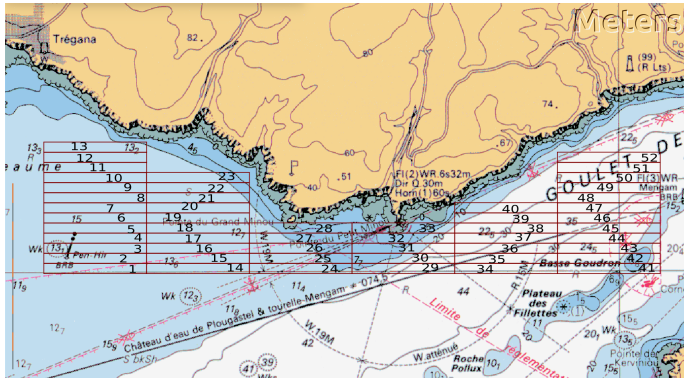




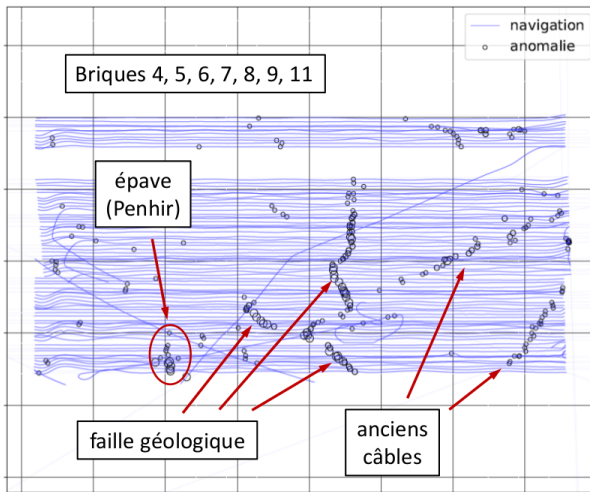
Middle of Atlantique ocean, 350 km made by Vaimos, sept. 6-9, 2012.

Recherche de la Cordelière

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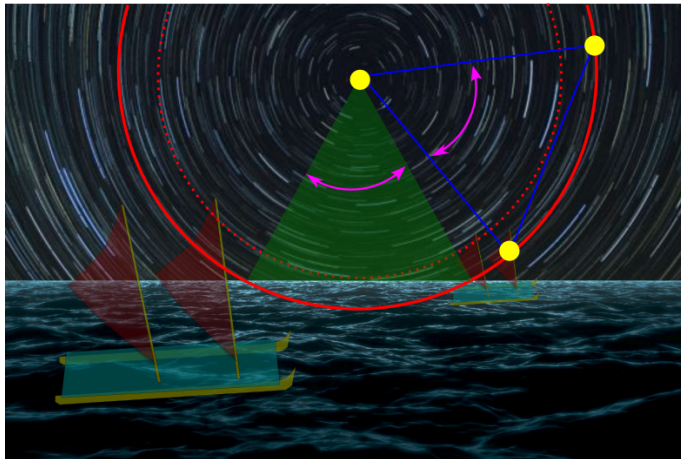
Tout sous l'eau

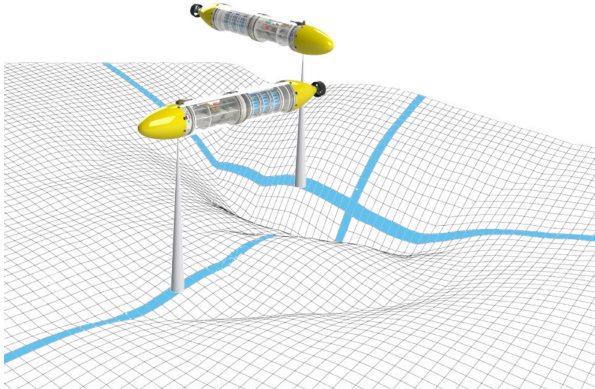


Submeeting 2018

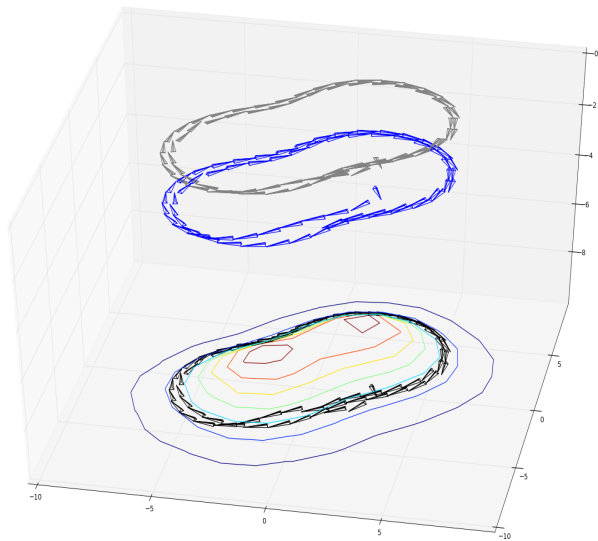


Trouver sa route sans GPS, ni boussole, ni horloge





[2]





L. Jaulin.

Isobath Following using an Altimeter as a Unique Exteroceptive Sensor.

In Sophia M. Schillai and Nicholas Townsend, editors, *Robotic Sailing 2018*, pages 105–110, 2018.



S. Rohou.

Reliable robot localization: a constraint programming approach over dynamical systems.

PhD dissertation, Université de Bretagne Occidentale, ENSTA-Bretagne, France, december 2017.