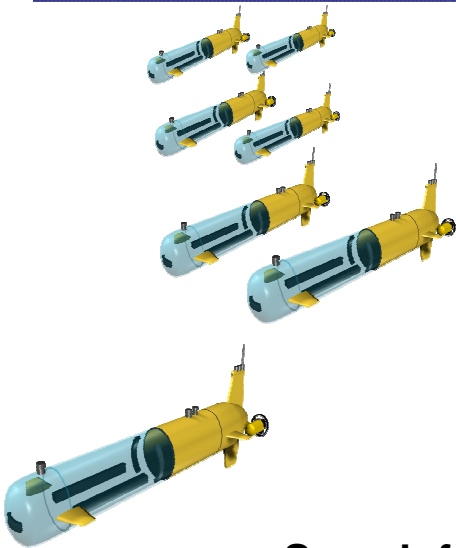




THALES

AGATHA project – ECHORD



Search for European collaboration.

AGATHA is a 3 years project from CLAPOT laboratory.

CLAPOT is a common laboratory of ENSIETA (Engineering school, Brest) and Thales Underwater Systems dedicated to marine robotic.

The main objective of AGATHA is to demonstrate the ability of a “shoofish robot” to navigate a few hours in sea conditions into coastal waters (ten miles area excluding the “surf zone”).

A “Shoofish robot” is an autonomous assembly of a certain number of small micro-robots (class 1 to 20 kg) communicating together and “swarm conscious”. Each micro-robot is independent in the swarm and is a part of the collective entity.

The first phase that will last a few more than one year is dedicated to “swarm consciousness” including the problem of communicating at low distance and high speed underwater that we call “underwater wifi” and the relative positioning into the swarm.

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