



# Development of educational activities the “mon Océan & moi” project

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<http://www.oao.obs-vlfr.fr/>

[www.monoceanetmoi.com](http://www.monoceanetmoi.com)

# Context & motivations

- Ocean science are taught very few at school (at least in France)
- Lack of interest for scientific careers.
- Nevertheless the Ocean remains an attractive topic for public and pupils (during the so-called science festival)
- New remote technologies of Ocean observation (satellites & robots) deliver real-time information; they might be a way to bring ocean science to schools.
- Two large projects focused on BGC profiling floats have been awarded to our lab (~ 60 floats to be deployed within the next 2 years).
- Develop an educational project around the autonomous ocean observation and the idea of a class adopting a BGD float and following it along its scientific journey

# Methodological approach

- Initial meeting with education heads, teachers and scientists
  - ⇒ define the objectives and the specifications of the “targeted educational product” for 11-14 years old pupils
  - ⇒ web site of dedicated “ocean resources” with quizzes and games
  - ⇒ “social” network to share experiences and comments within and between classes
- Monthly meeting between scientists and teachers over 6 months
  - => progressive elaboration of the content.
- Test phase and evaluation
- « opening » of the site

# The WEB content and ergonomie: the results of a tight collaboration



*" Share research with the oceanographers  
& discover our oceans ! "*



> [about](#) [news](#) [topics](#) [wik'ocean](#) [map](#) [resources](#) [quizzes and games](#)

? Why is it important ...

? What is it ...

? What is it's role ...

Phytoplankton – three questions asked

A tight collaboration between scientists and teachers is at the root of the content and of its presentation.

This collaboration has been (and still is) essential in the methodological approach.

# Topic contribution

- Explanatory text around 3 questions
- resources, p.ex.:
  - pictures, videos, animations (e.g float cycle)
- quizzes & games
- Lexical: Wik'Océan



# Launching the web site ...

[www.monoceanetmoi.com](http://www.monoceanetmoi.com)



# ... and of the first adoptions



... three pilot classes participated to this initiative



- 1/ 15 voluntary pupils (12 years) of one class
- 2/ 20 eco-delegates : active members of the environmental committee of a school (11-14)
- 3/ 15 pupils of one class focusing on a “science and sustainable development” project

# The « ocean voyagers »

ocean voyagers

mon océan et moi comporte 5 utilisateurs inscrits

membre	profil	stats
<b>NautilusArene</b>	Classe: SVT Nom du responsable: Mme Catherine Le Rolle Etablissement: Collège Paul Arène Ville: Peymeinade My float: Nautilus_Arène	Membre depuis: il y a 2 mois Click: 66 Dernière connexion: il y a 4 jours
<b>lesVallegues</b>	Classe: classe sciences 3e2 Nom du responsable: M Olivier-Alex LIGO Etablissement: Collège les Vallegues Ville: Cannes My float: Les_Vallegues	Membre depuis: il y a 2 mois Click: 53 Dernière connexion: il y a 37 jours
<b>LesCRINOIDES</b>	Classe: Groupe Sciences 5ème Nom du responsable: Mme GONOD Etablissement: Collège André MAUROIS Ville: Menton My float: L'œil_de_la_mer	Membre depuis: il y a 2 mois Click: 54 Dernière connexion: il y a 21 jours

Mot de passe:

Se souvenir de moi

CONNEXION

[Mot de passe oublié ?](#)

Derniers messages

- NautilusArene a écrit un nouveau message "L'histoire du NautilusArene" - 07/01/2013
- NautilusArene a écrit un nouveau message "Extrait de la chlorophylle" - 17/12/2012
- NautilusArene a écrit un nouveau message "Activité" - 10/12/2012

The three classes have adopted these three floats



## Page du profil de NautilusArene



- mon profil
- mon mur
- mon carnet de bord
- mes mesures
- mes photos
- mes vidéos
- last visitors

**Nom du responsable:** Mme Catherine Le Rolle  
**Etablissement:** Collège Paul Arène  
**Ville:** Peymeinade  
**Classe:** SVT  
**Pays:** France  
**Adresse courriel:** [Envoyer un message](#)  
**Site Internet:** [www.ac-nice.fr/paularene/college/](http://www.ac-nice.fr/paularene/college/)  
**My float:** Nautilus\_Arène





# Next steps

- ❑ New topics coming online
  - Ocean Acidification
  - The pelagic food chains
  - The Ocean's seasons.
  - ....
- ❑ Involving master and PhD students
  - Resources elaboration
  - « Hot line » adopt a float
- ❑ Opening, sharing and developping
  - Translation
  - Collaboration at an international level ?