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ARGONAUTICA

Educational Project to study the Ocean with satellite data



Educational project to study the ocean with satellite data

ARGONAUTICA ARGONAUTE = JASON

ARGONAUTICA = in situ localisation data (ARGOS) + satellite data (JASON...)

3 Parts:



ARGONIMAUX : to understand the impact of climate and environmental variations on marine animals fitted with Argos tags.



ARGOCÉAN : to understand the link between ocean, climate and the environment.



ARGOTECHNO : to build buoys or develop technical parts (renewable energy...)

For elementary, middle and high schools
Between 50 and 100 classes each year
started at CNES in 2000

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RESOURCES FOR TEACHERS:



- Localisation data
(ARGOS)

- Satellite data
(JASON...)

- Training for teachers

- Exchanges with scientists, professionals,
like skippers...



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At the end of the school year, ARGONAUTICA students meet at La Rochelle Aquarium since 2001



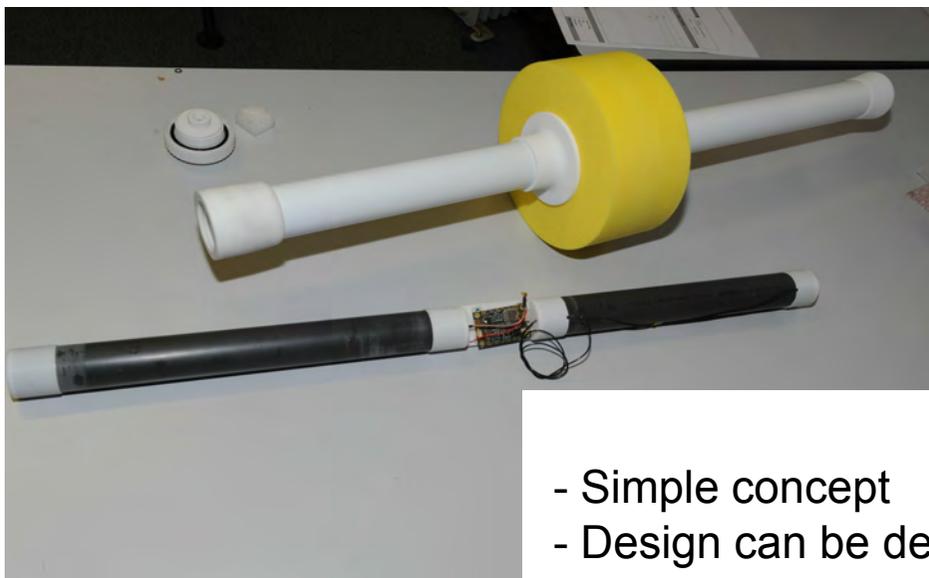
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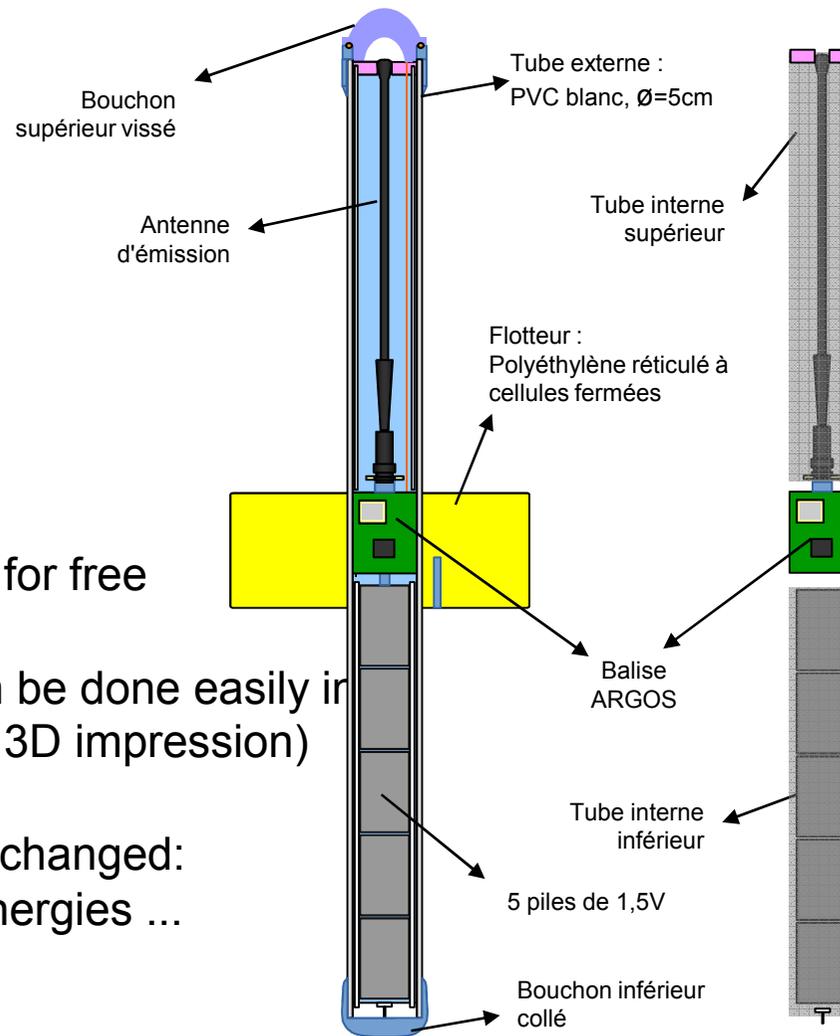
to build buoys or develop technical equipment (renewable energy...)



ECHO a new buoy



- Simple concept
- Design can be delivered for free
- Shell and integration can be done easily in High Schools (PVC tube, 3D impression)
- Energy module can be changed: dedicated to renewable energies ...



mounted

dismounted

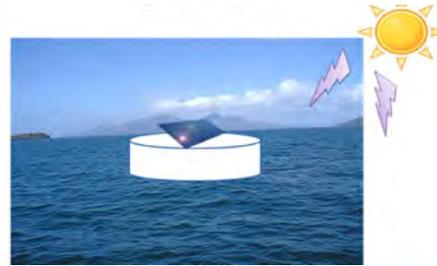
Conception &
Réalisation :



ECHO at Deodat de Severac High School

Their objective is to exchange the existing battery with renewable energy:

- Solar energy using photovoltaic panels



- Wave energy retrieval using electromagnetic induction



- Energy storage with super capacities



