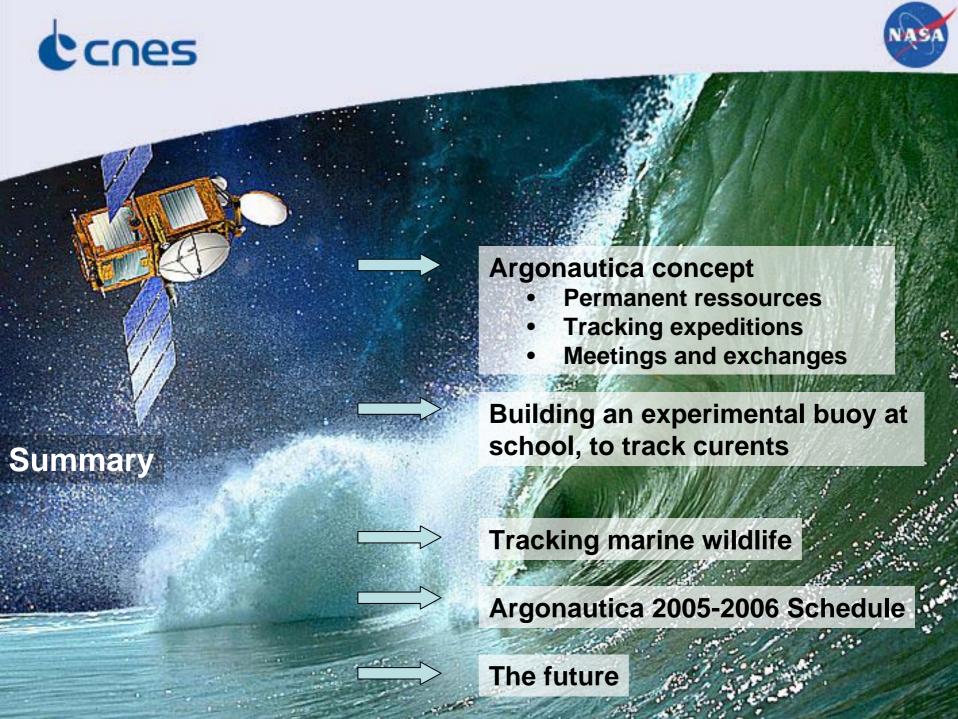






Developing Ocean Awareness: The Argonautica Educational Project

Dr. Danielle DE STAERKE (CNES)







Argonautica

Studying aceans and climate in the classroom, understanding the role of satellites

- · Building and tracking buoys
 - · Studying ocean currents and variations
 - · Tracking migrating wildlife
- · Developing awareness of marine pollution







Tracking expeditions...

Tracking expeditions and ocean yacht races, releasing Argonautica buoys

- Vendée Globe 2000-2001
- Pomme 01 oceanography campaign
- Jean-Louis Etienne 2002 polar mission
- Jacques Vabre transatlantic race
- Vendée Globe 2004-2005

Working with scientists to track marine wildlife

- Leatherback turtles on beaches in French Guiana (CNR-CEPE)
- King penguins, albatross, Arctic tern, elephant seals (CNRS-CEBC)





Tracking expeditions...

Antarctica 05-06

The poles play a fundamental role in Earth's climate system



Aventures humaine et scientifique

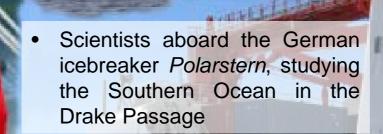
The Southern Ocean drives global ocean circulation and climate



Antarctica 05-06



Tracking expeditions...



POLARSTERN

Frenchman Sidney
Gavinet, taking part in the
Volvo Ocean Race

loubse

Isabelle Autissier and Erik Orsenna, retracing the first scientific expeditions of the early 20th century

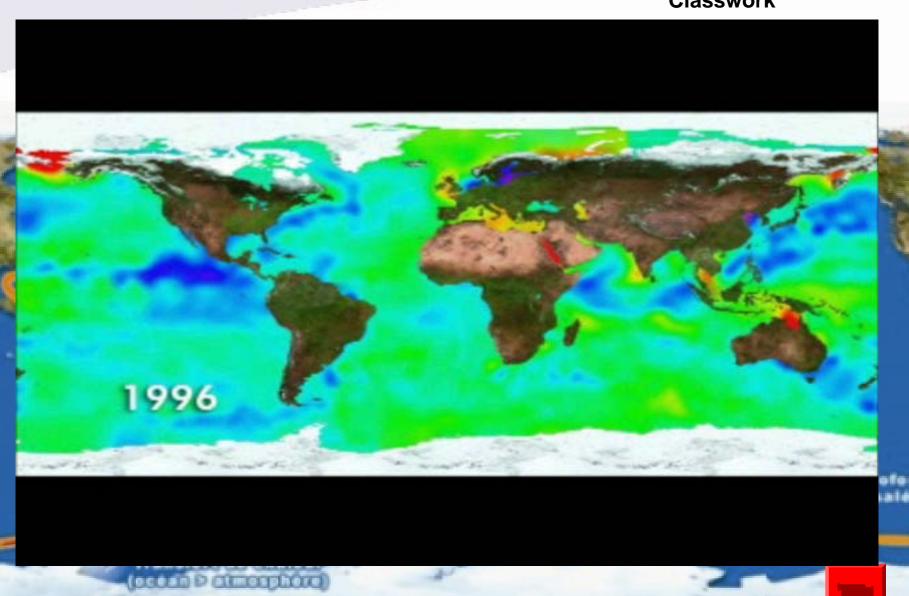
www.cnes-edu.org

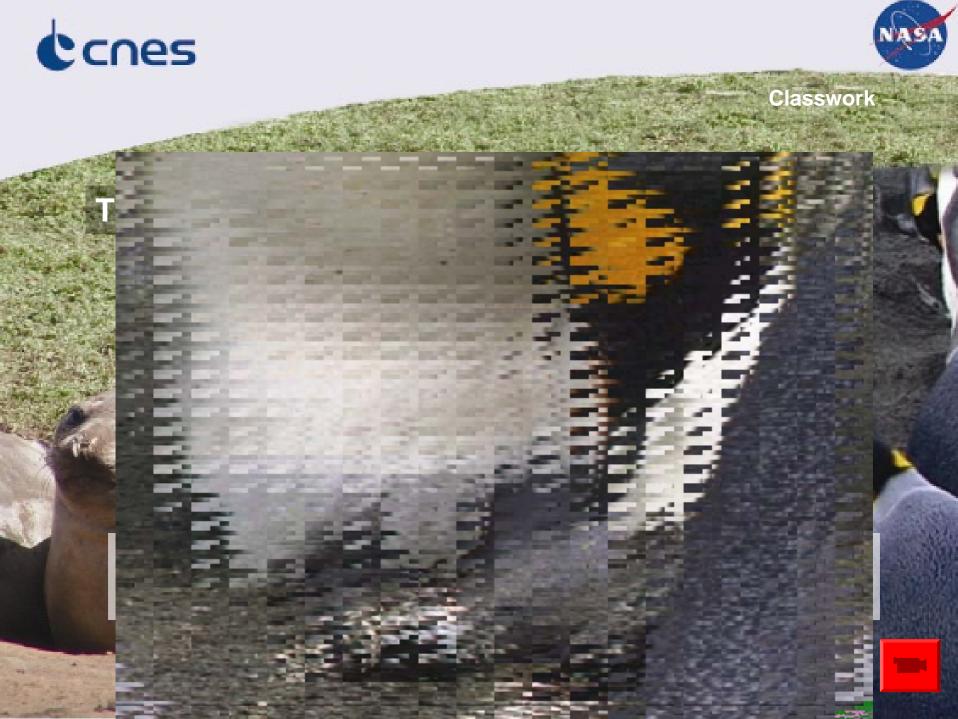






Classwork















Schedule

February

- Track expeditions (started mid-January)
- Track buoys and wildlife
- Link-up with Isabelle Autissier aboard her boat

April

- Send class projects for La Rochelle symposium
- Select projects

March

- Finish tracking buoys and wildlife
- Seminar on global warming

May

- La Rochelle symposium: present class projects and meet scientists and skippers



EUR-OCEANS ORGANISATION SCHEMA

GENERAL ASSEMBLY

High level representatives of members organisation invite members from international partners

Decisions
 Propositions

EUROPEAN UNION

Statements reports... Payments

NETWORK'S STEERING COMMITEE (NSC)

Scientific Director - Deputy Scientific Director Administrative and Financial Coordinator Scientific Coordinators Assistant

Reporting

NETWORK OF 160 RESEARCHERS

WORK PACKAGE LEADERS

Funding

Reporting

Reporting

WORK PACKAGES

EUR-OCEANS is composed of 10 work Packages (WPs) :

Integrating Activities WP1 Networking

- 1.1 Networking Sharing facilities
- 1.2 Networking Mobility and communication WP2 Data Integration
- 2.1 Data Integration Observing systems
- 2.2 Data Integration Networked database WP3 Model Integration
- 3.1 Model Integration Model interfacing 3.2 Model Integration - Global Ocean
- 3.3 Model Integration Earth System

Jointly Executed Research WP4 ecosystems end-to-end WP5 Biogeochemistry

WP6 Ecosystem approach to marine resources WP7 Within system integration

Spreading Excellence WP8 Training for researchers and other key staff

WP9 Transfer to socio-economic users WP10 Public Outreach

Funding

7 GEOGRAPHICALS SYSTEMS

- Artic and Nordic Seas (AN)
 Pr Svein SUNDBY svein.sundby@imr.no
- 2 Baltic Sea (BS) Dr Friedrich W. KOSTER - fwk@dfu.min.dk Pr David TURNER - davidt@chem.gu.se
- 3 Mediterranean Sea (MS) Dr Loanna SIOKOU-FRANGOU - islokou@ath.hcmr.gr Javier RUIZ - Javier.Ruiz@uca.es
- 4 North Atlantic Ocean (NO) Dr Katherine RICHARDSON - richardson@biology.au.dk Dr Roger HARRIS - r.harris@pml.ac.uk
- 5 North Atlantic Shelves (NS) Dr Clive J. FOX - c.j.fox@cefas.co.uk
- Southern Ocean (SO)
 Dr Eugene Murphy e.murphy@bas.ac.uk
- Eastern Boundary Upwelling Systems (UP)
 Dr Pierre FREON pierre.freon@ird.fr



WP 10 : NETWORK OF MUSEUMS/AQUARIUMS

- MATIONAL MARINE AQUARIUM OF PLYMOUTH (GB) Paul COX
- paul.cox@national-aquarium.co.uk
- CNES-EDUCATION-PARIS
 Danielle DE STAERIKE
 danielle.destaerke@cnes.fr
- (3) AQUARIUM UNIVERSITÉ DE LIÈGE (Belgium) Christian MICHEL christian.michel@ug.ac.be
- MUSÉE OCÉANOGRAPHIQUE DE MONACO

 ACQUARIO DI GENOVA (Italy)
 - n.ounais@oceano.mc
 - (Sweden)
 Jan WESTIN

- AQUARIUM FINISTERIAE (La Corona Spain) Francisco FRANCO DEL AMO paco@casaciencias.org
- OCÉANOPOLIS BREST (France) Eric HUSSENOT eric hussenot@oceanopolis.com
- CCEANOGRAPHIC MUSEUM AND MARINE AQUARITM (Poland)
 Wojciech WANRZYNISKI
 wojck@mirodynia.pl
- Bruna WALETTINI bvaletlini@acquarbdigenova.k
- CRETAQUARIUM THALASSOCOSMOS (Greece)
 IV. PAPADAKIS
 IV. PAPADAKIS
 IV. PAPADAKIS
 IV. PAPADAKIS
- Jan.Westin@universeum.se 111 European Union of Aquarium Curators (E.U.A.C)

