

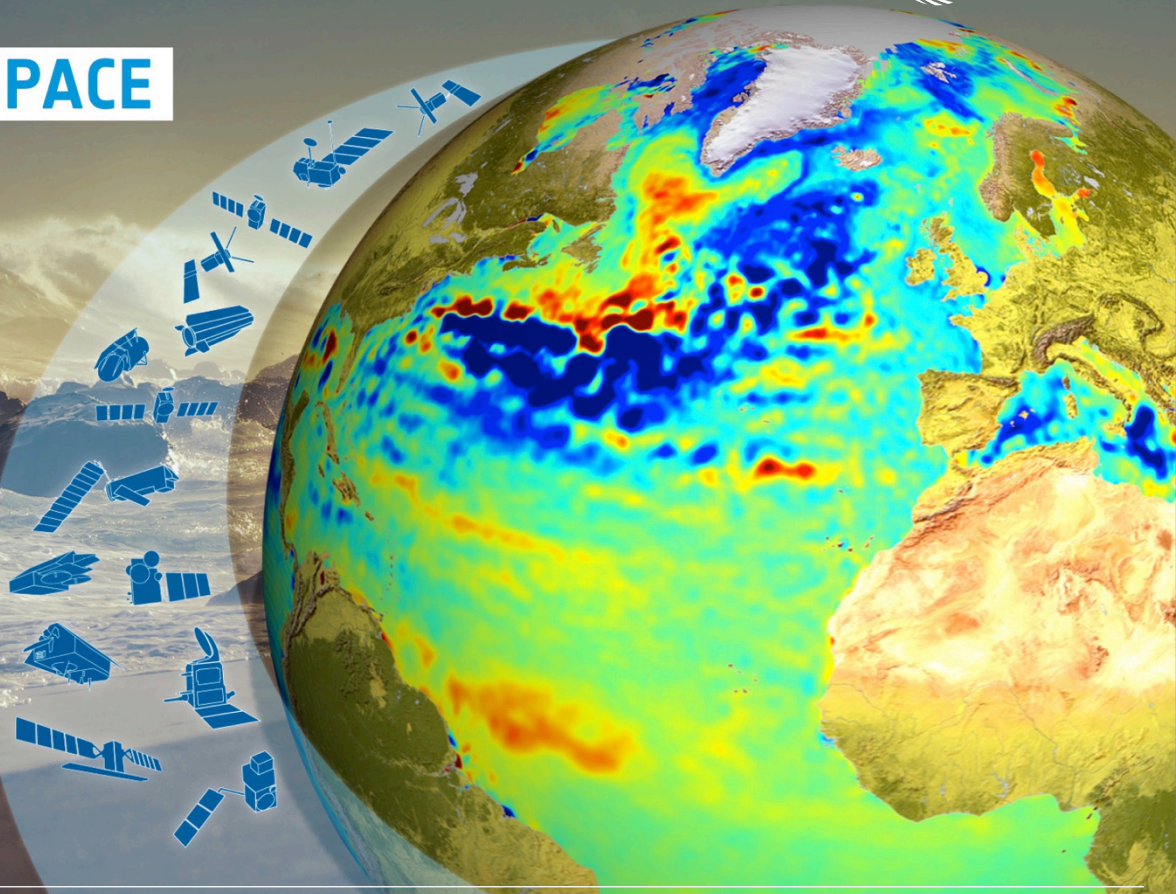
→ ATLANTIC FROM SPACE WORKSHOP

23–25 January 2019
National Oceanography Centre
Southampton, UK

Satellite Applications in
the Blue Economy-
Session [A6]: Maritime
Spatial Planning and Blue
Economy

Alessandra Vernile

Eurisy



THE EURISY STRATEGY TO CONNECT SPACE AND SOCIETY



Eurisy is an association formed under French law in 1989 for the International Space Year in 1992 – but Eurisy is still going strong!

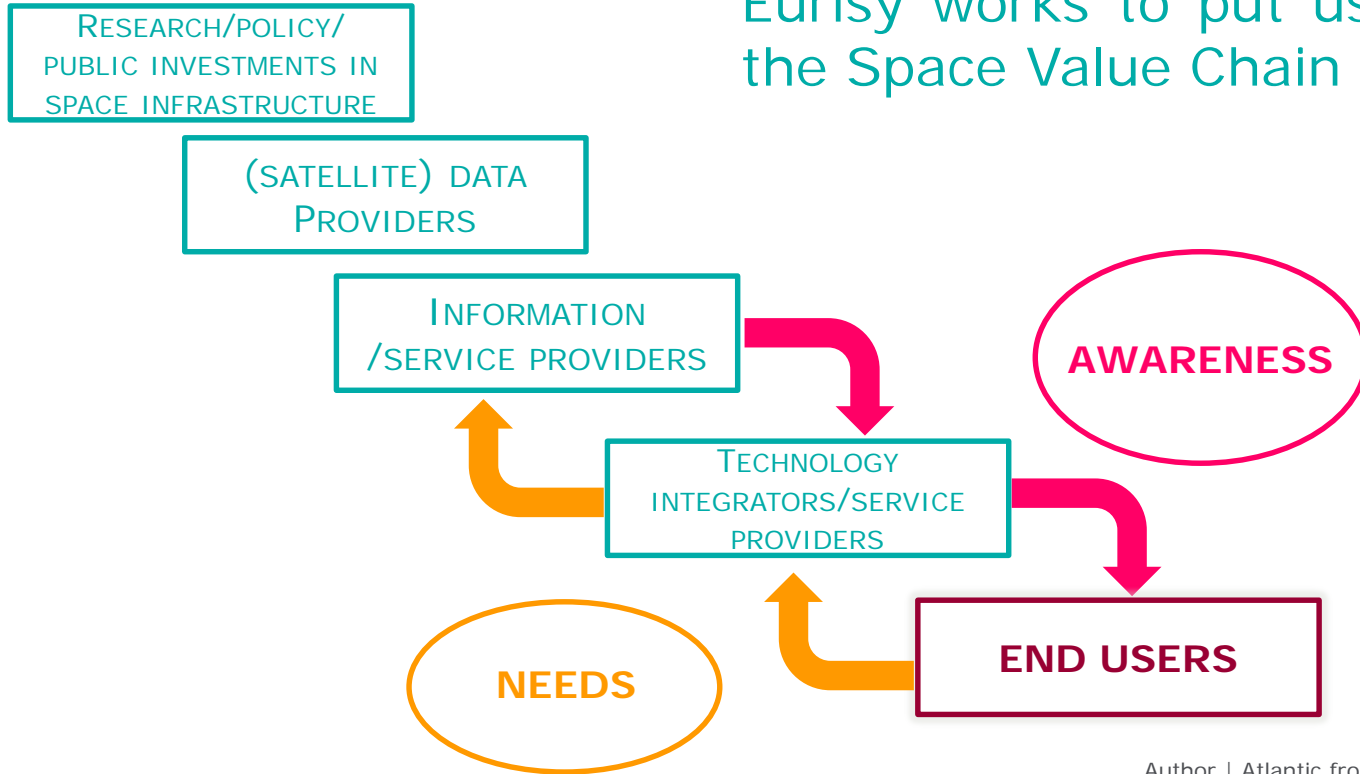


Acting collectively to bridge space and society

THE EURISY STRATEGY TO CONNECT SPACE AND SOCIETY



Eurisy works to put users at the core of the Space Value Chain

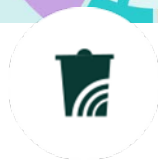


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USER-CENTRED APPROACH



DIRECT TESTIMONIALS
EXCHANGE OF EXPERIENCE
Public administrations –
SMEs - NGOs



ONLINE DATABASE OF
TESTIMONIALS
www.eurisy.org

EVENTS &
CONFERENCES

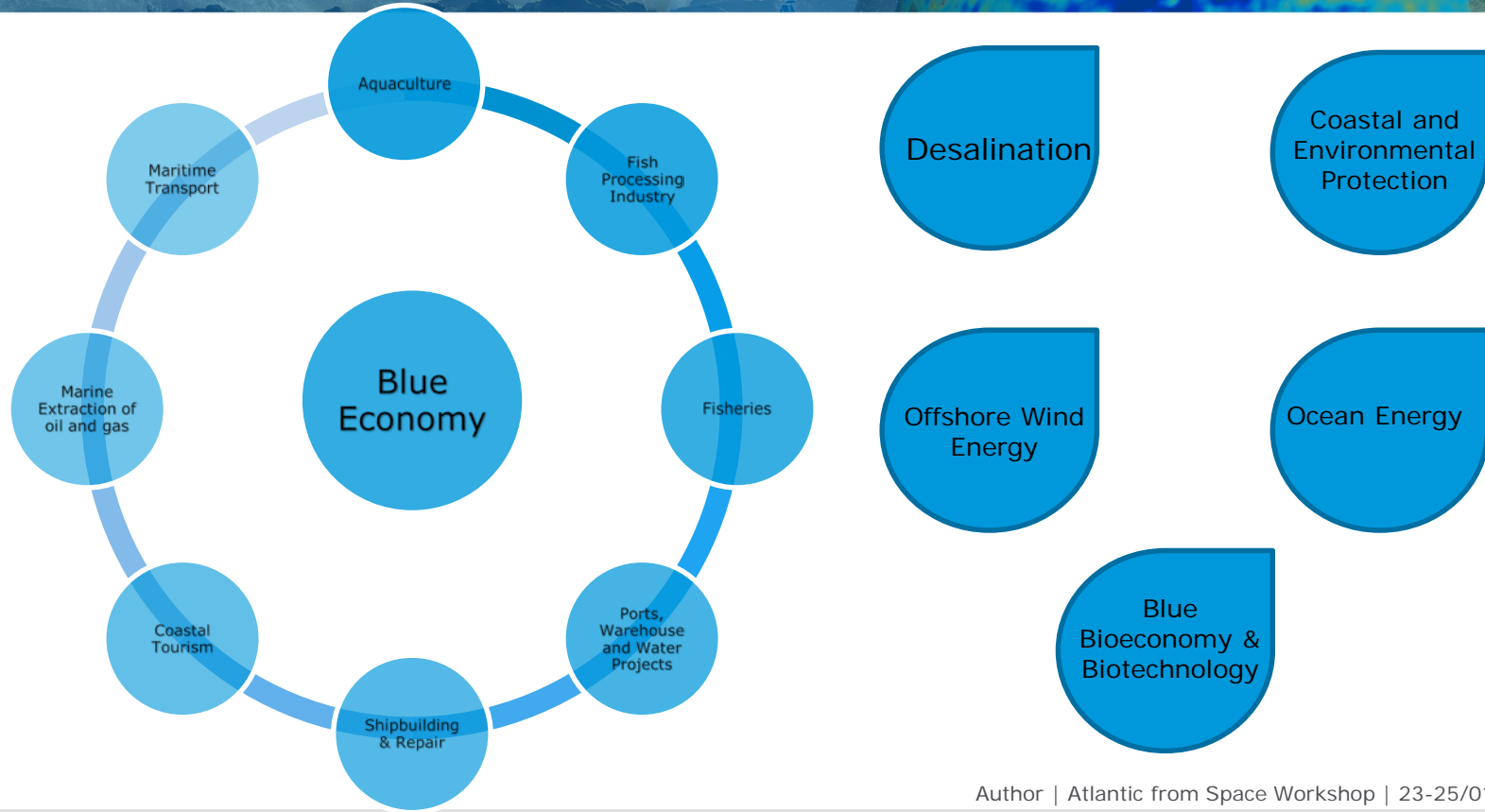
PUBLICATIONS
& SURVEYS

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What is Blue Economy?

All economic activities related to oceans, seas and coasts. Blue Economy covers a range of interlinked established and emerging sectors.

(The 2018 Annual Economic Report on EU Blue Economy)



Blue Economy and Geoinformation Services (2014)



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Main messages :

- ❖ Satellite applications bring an added-value for addressing the specific challenges of coastal areas
- ❖ Cooperation networks are the key for improving the take-up of satellite services among local authorities
- ❖ All the different scales of actors must be involved in innovation development and take-up
- ❖ Users training has to be developed to ensure an efficient adoption of the services

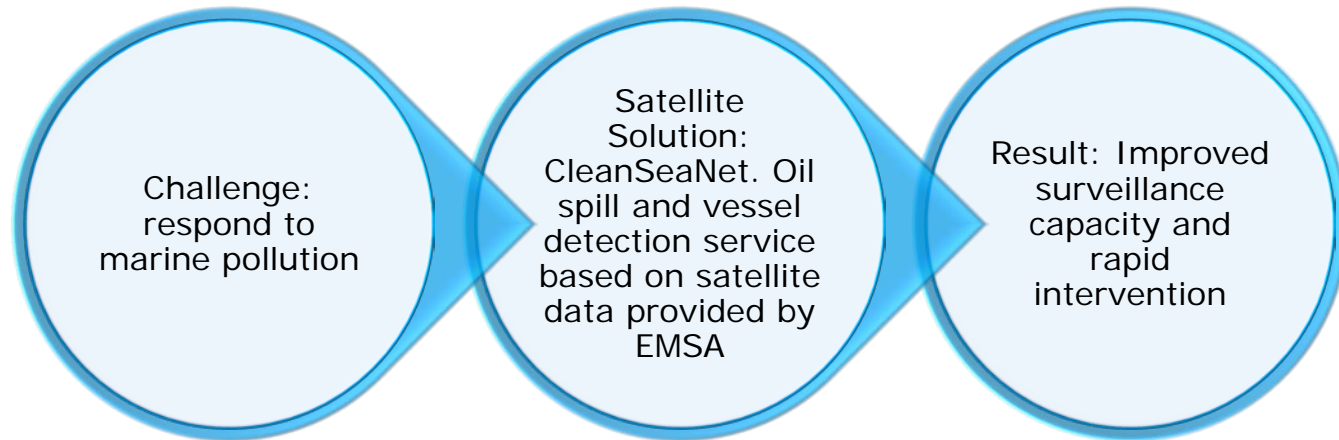
Can EO become an enabler of the blue economy?- Examples 1/ 3



Central Command for Maritime Emergencies: monitoring sea pollution on German coasts using satellite information

Technology: EO; Satcom; Satnav

User:

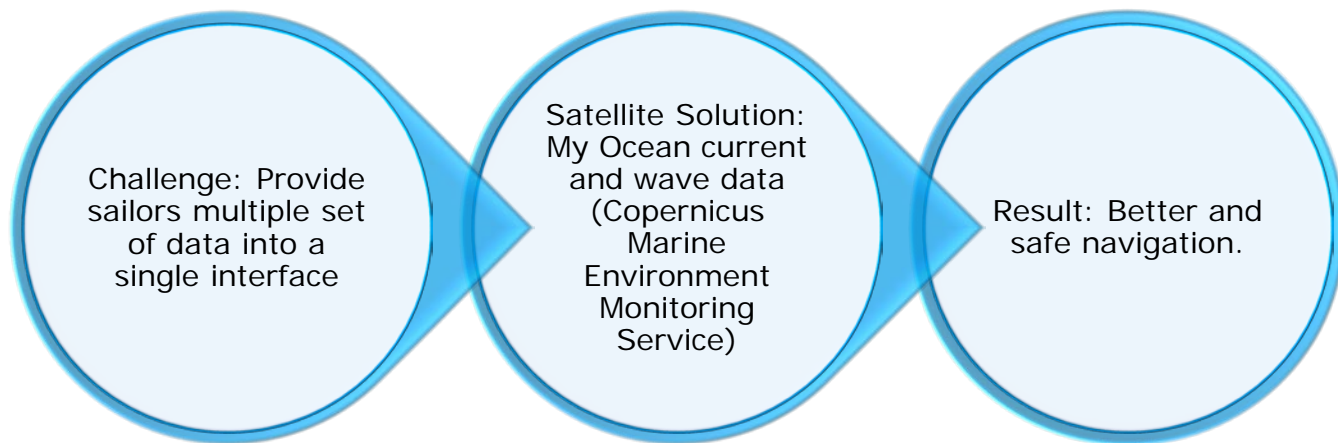


Can EO become an enabler of the blue economy?- Examples 2/3

Weather4D: smooth seas and fair winds ahead with satellite technology

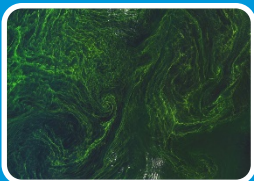
Technology: EO; satnav

User:



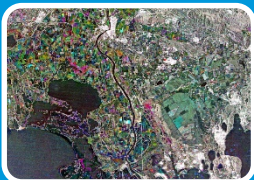
Can EO become an enabler of the blue economy?- Examples 3/3

Other cases:



Algal Bloom- UK South West Coast

- Damages and losses for fishing, aquaculture, tourism, desalination, etc.;
- Combination of EO images, microscope and buoy information



Coastal Erosion- Camargue, France

- Rise of sea level and potential damages to buildings in proximity to the coast
- Sentinel-2 images and ad hoc solutions



Coastal Water Monitoring- Barcelona, Spain

- Urban development and coastal water quality
- Information-based satellite imagery service to guarantee, during bathing season, the continue monitoring of coastal water for citizens, tourists and other economic actors

- The demand for EO information products is increasing in the maritime sector
- The volume of research projects is higher than the applications

Which actions can be undertaken to connect end users, service providers, academia and the traditional space actors?

- I. Target different users (institutional actors, national and local actors, NGOs, etc.) according to the identified needs.
- II. Raise awareness on satellite benefits outside the space sector to favour the implementation of applications dedicated to the maritime sector, to help and boost the blue economy
- III. Favour the dissemination of case studies and help the relations between service providers and end users

Thank you for your attention



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For more information on our activities visit our website:

<https://www.eurisy.org/>