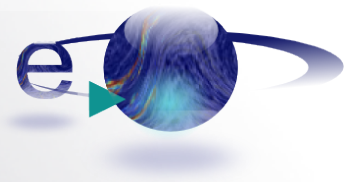


e-Odyn

Ocean dynamics 2.0



The team



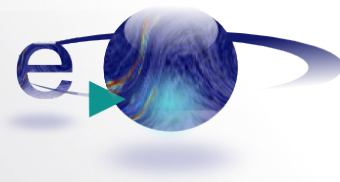
Yann Guichoux
President



Marc Lennon
Scientific Director

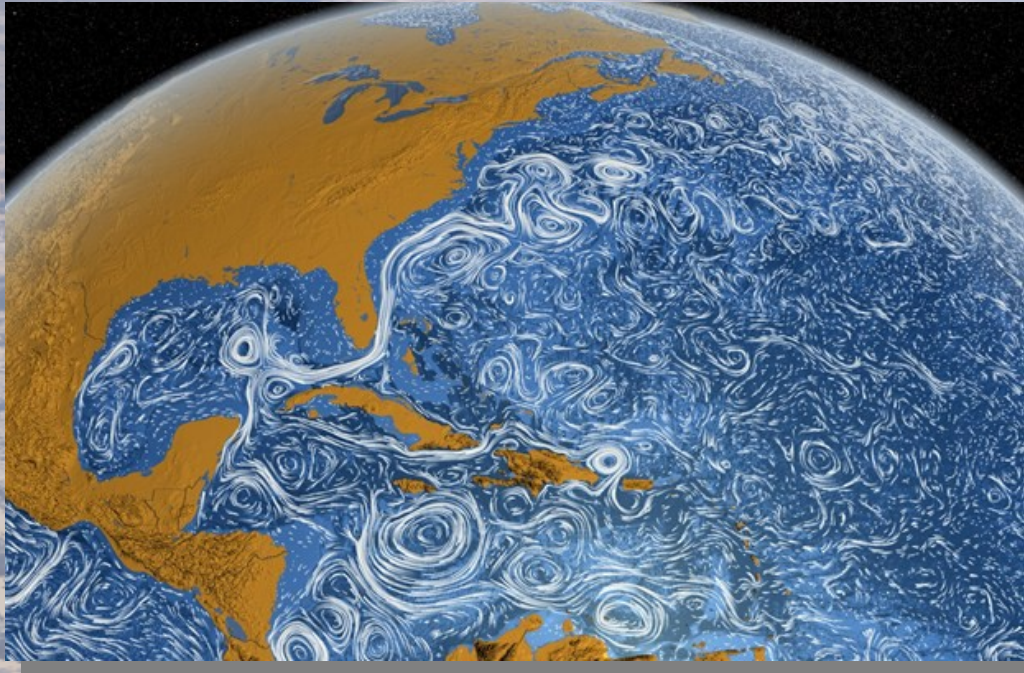


Nicolas Thomas
Products and services
Director

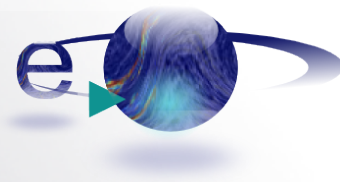


The needs

Ocean surface currents



A sought-after information



The needs



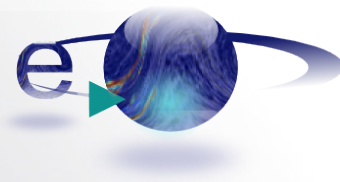
Ship routing



Oil & Gas



Fisheries

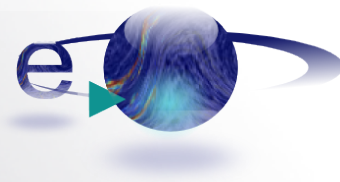


The needs



SAR





Problem

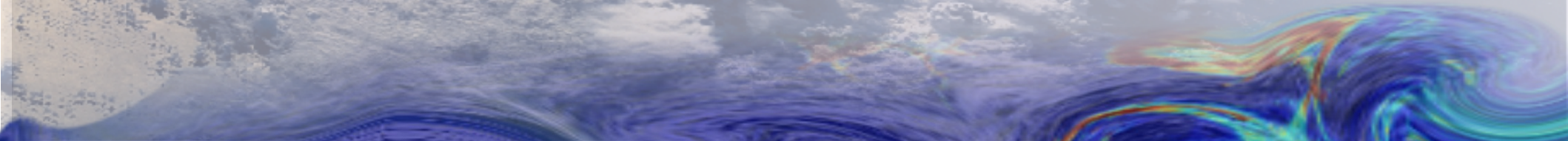
Ocean surface currents ...

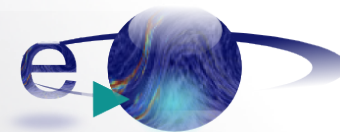


... an expensive information

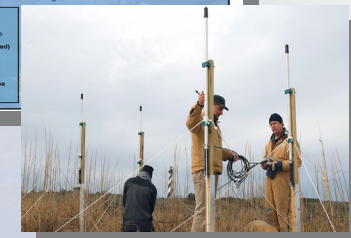
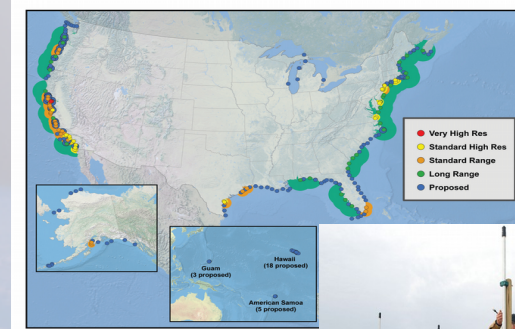
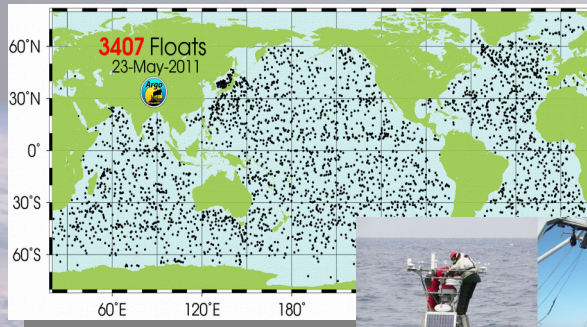
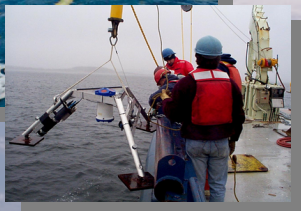
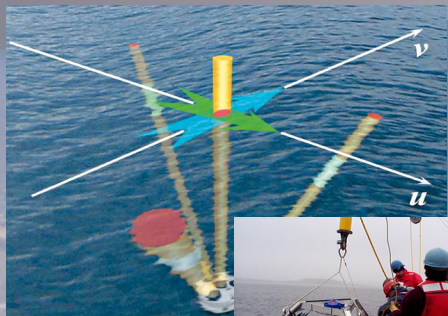


... sometimes not reliable.

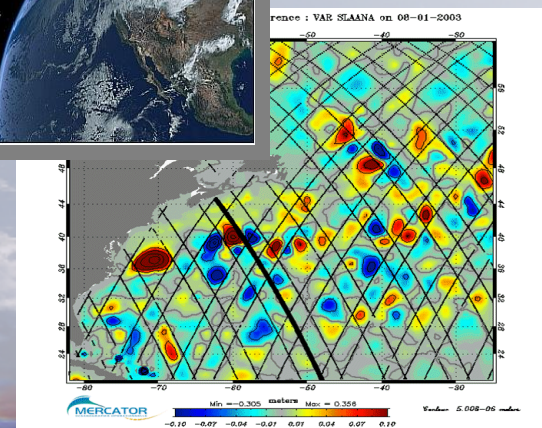
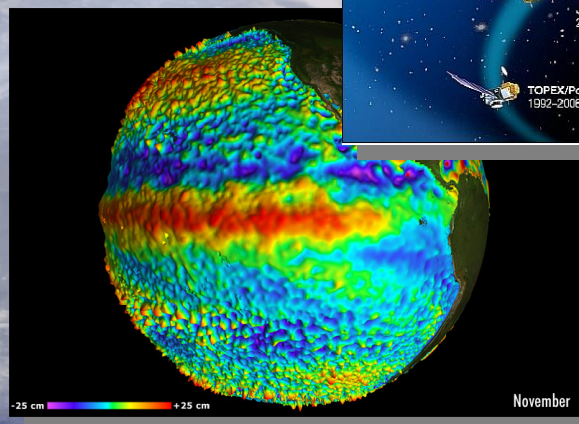


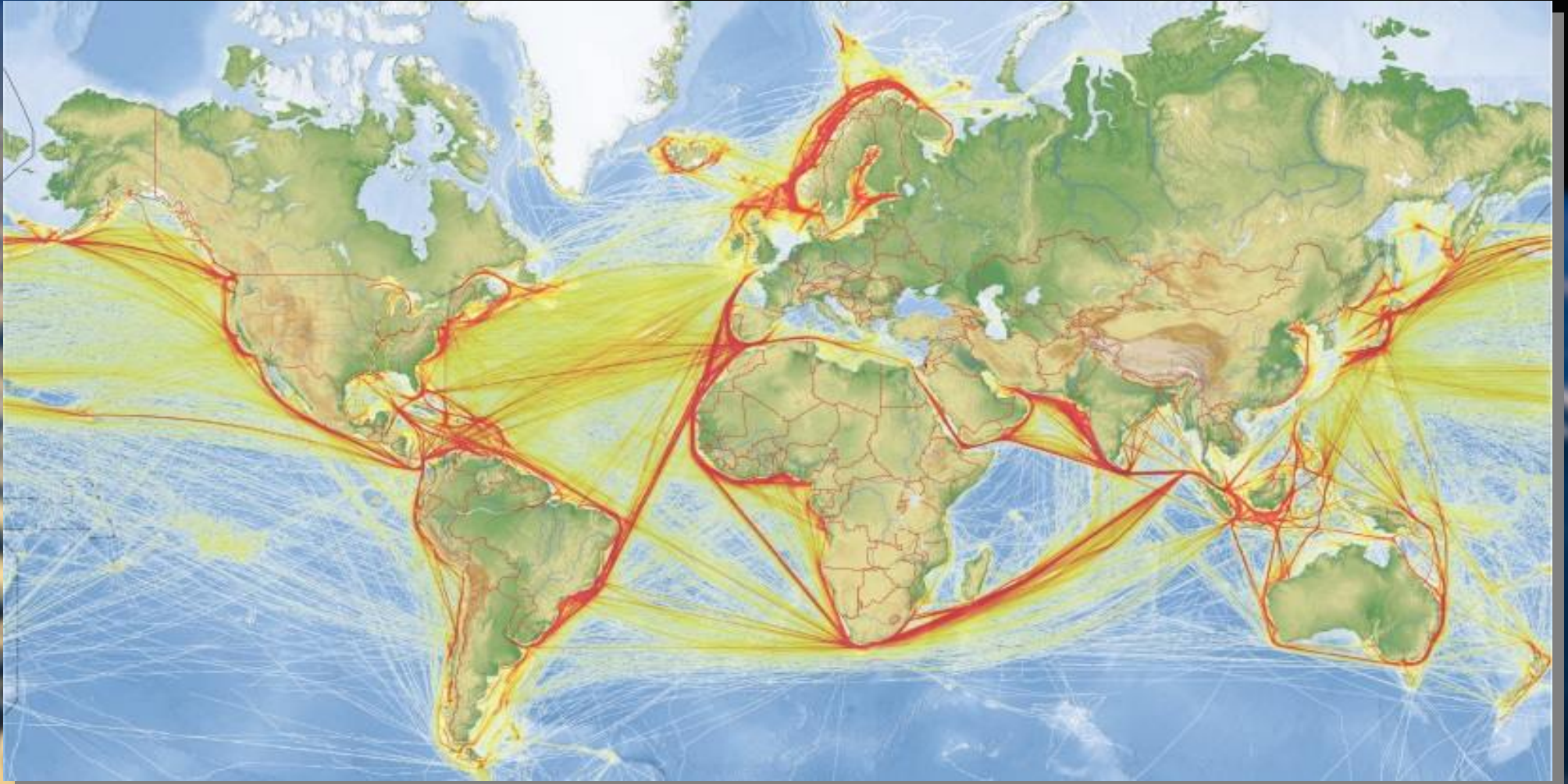


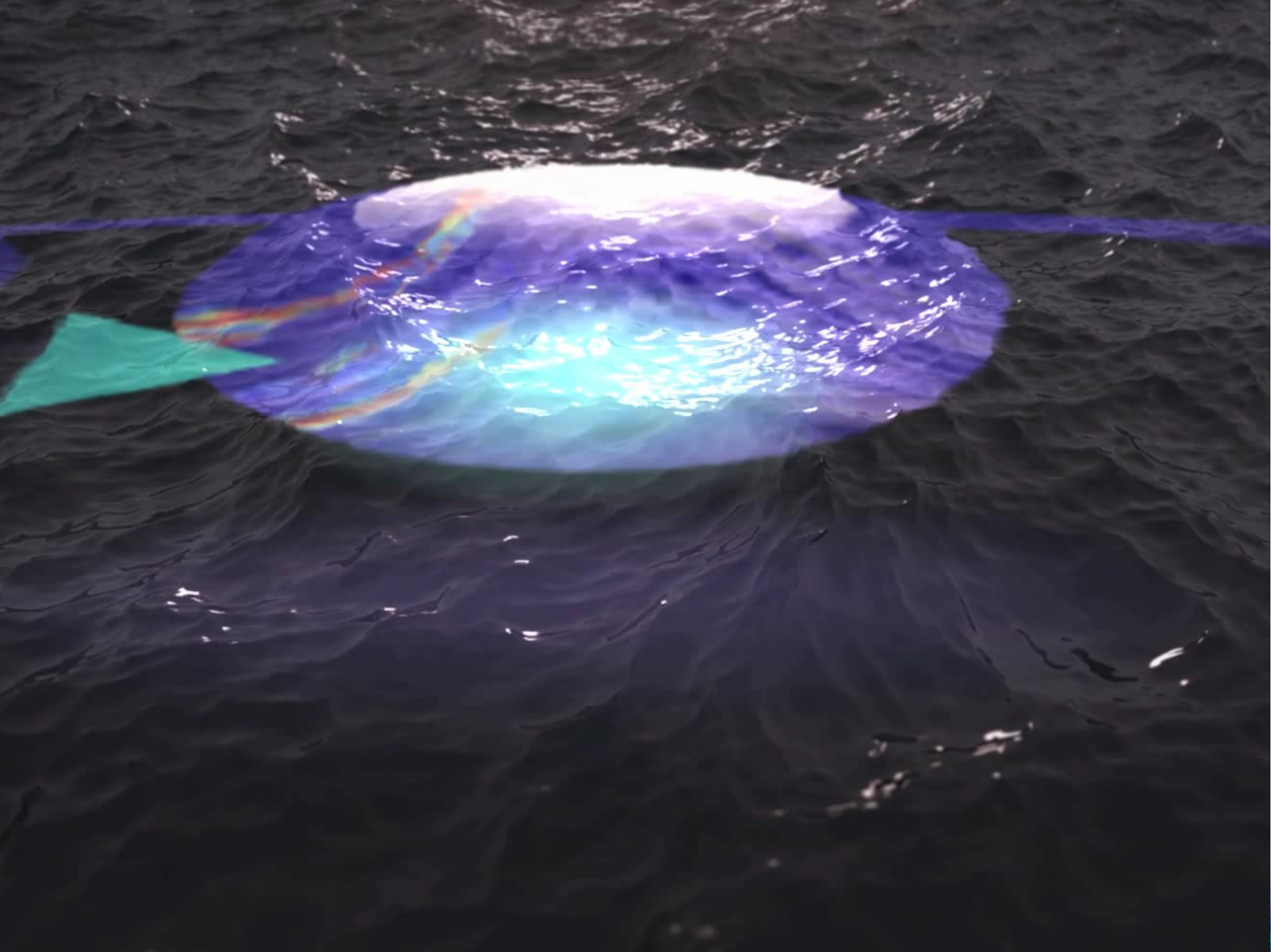
Conventional techniques

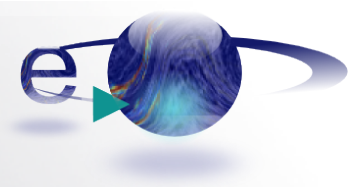


Complex and heavy systems



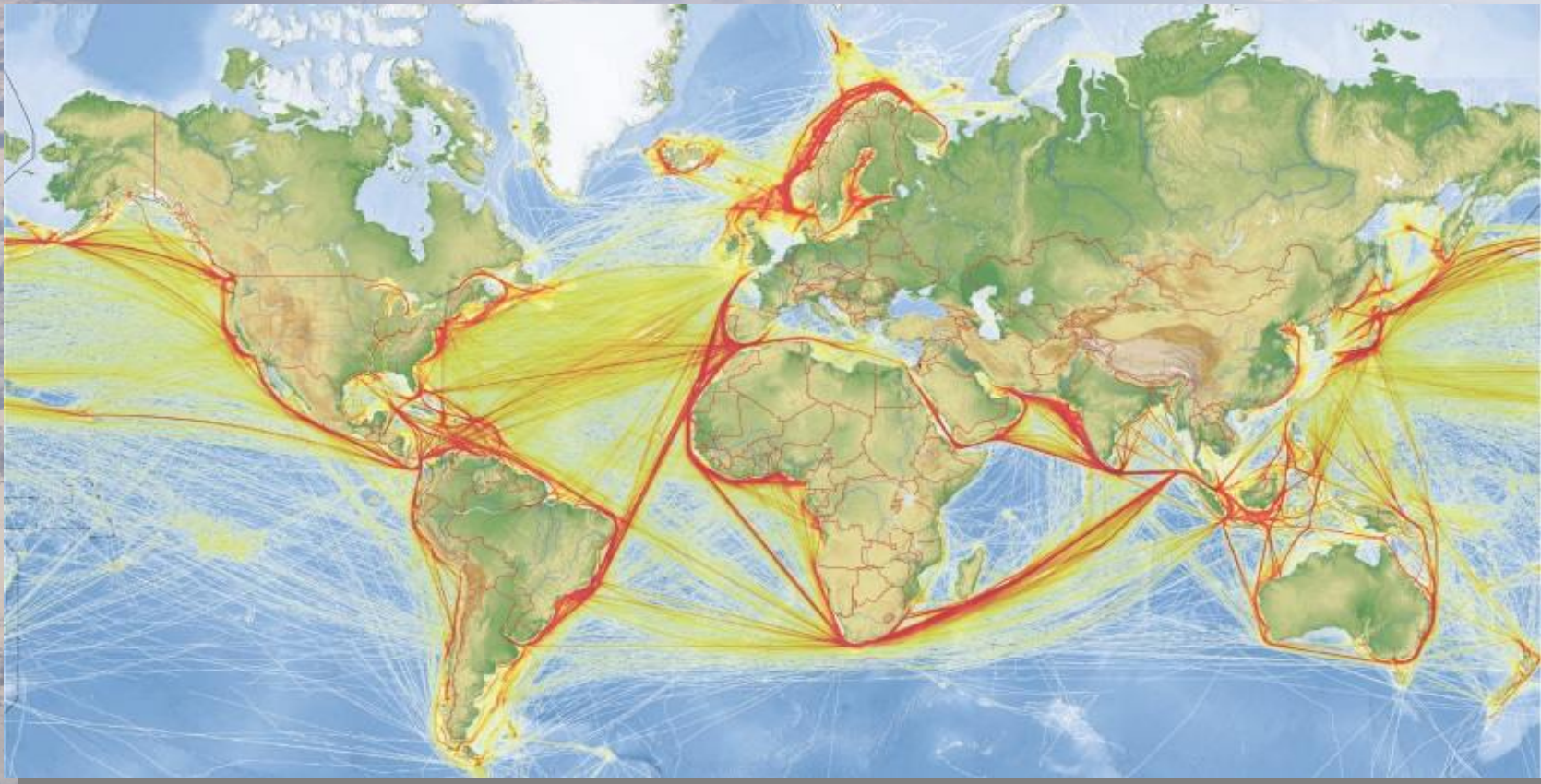


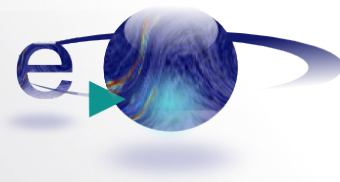




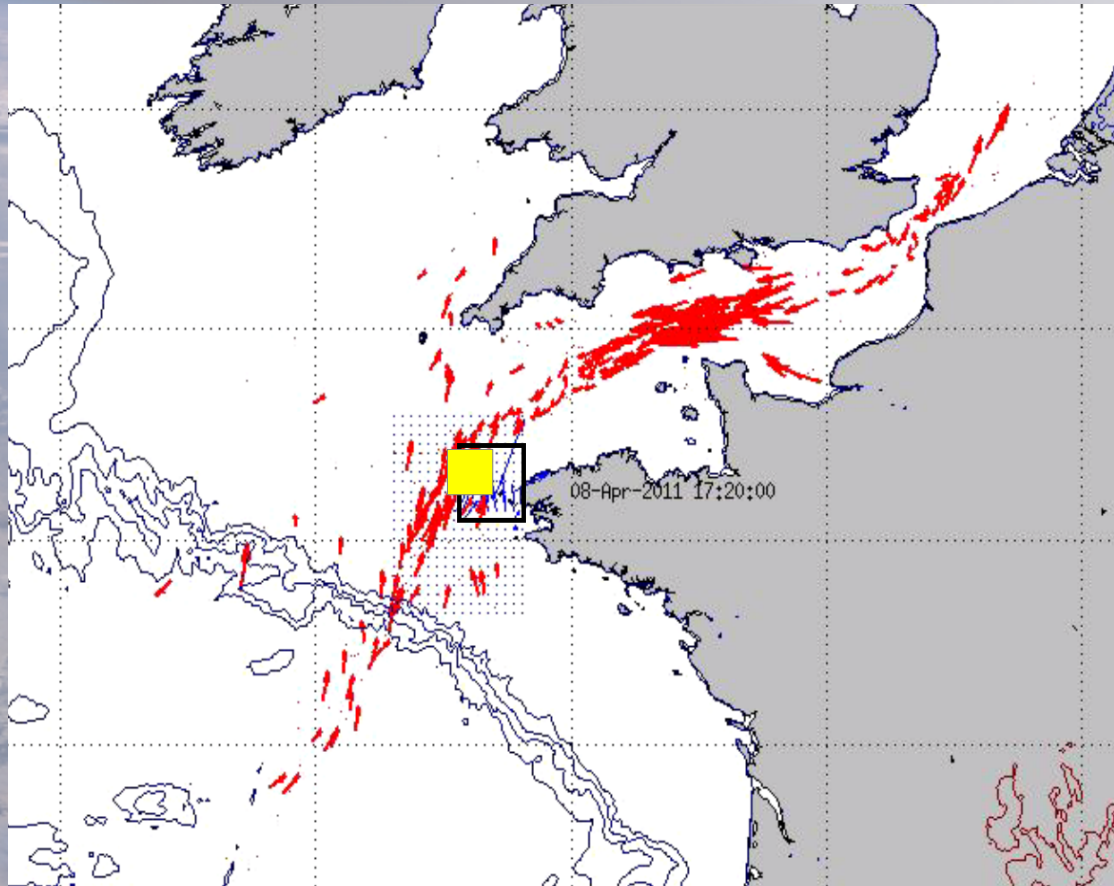
The idea

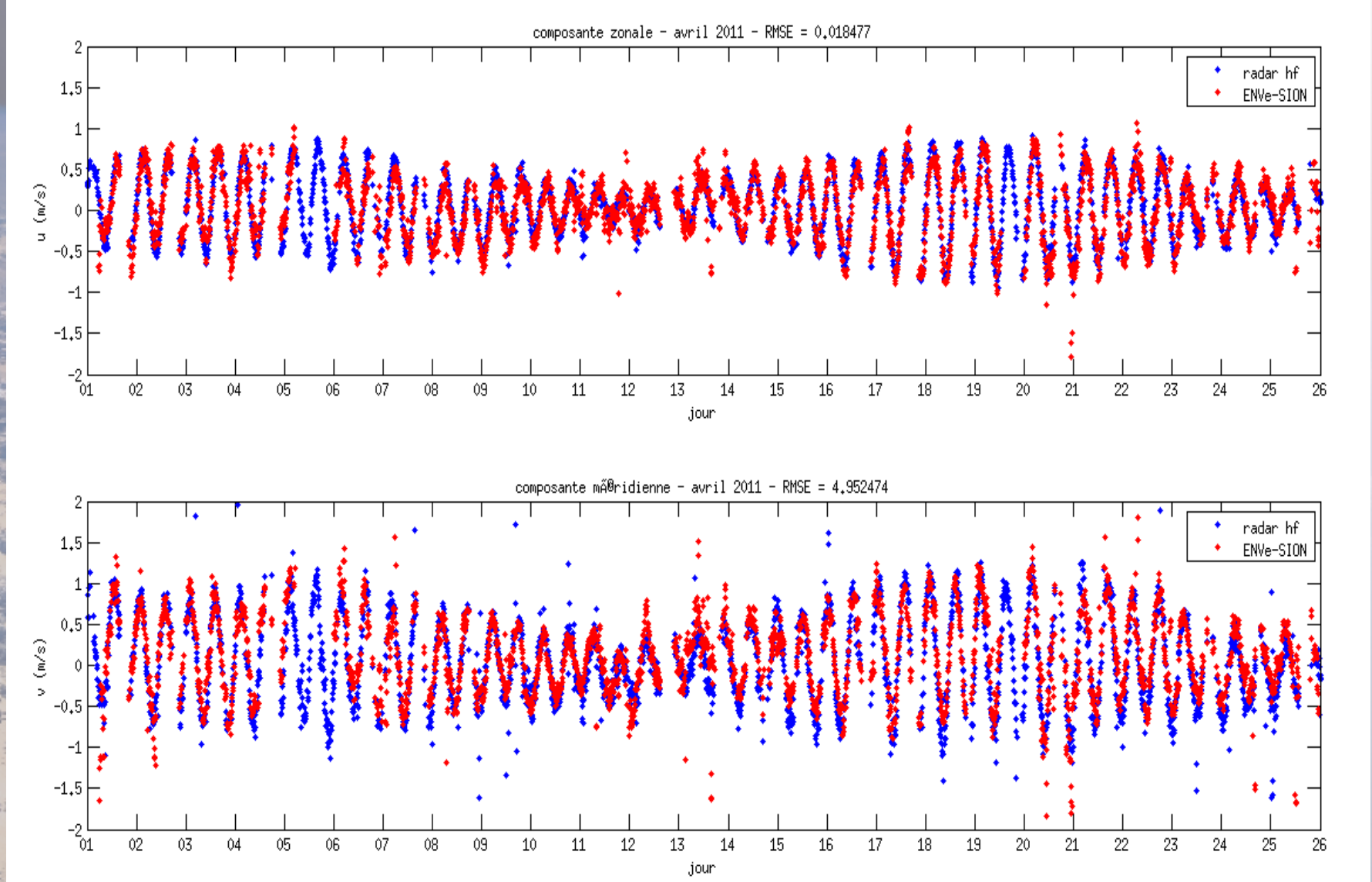
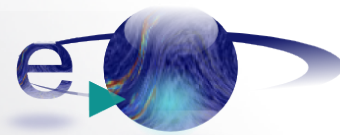
- A patented crowd sourcing algorithm which provide ocean surface currents thanks to already installed infrastructures (AIS shore base stations, and soon AIS satellites)
- Opportunistic measurements

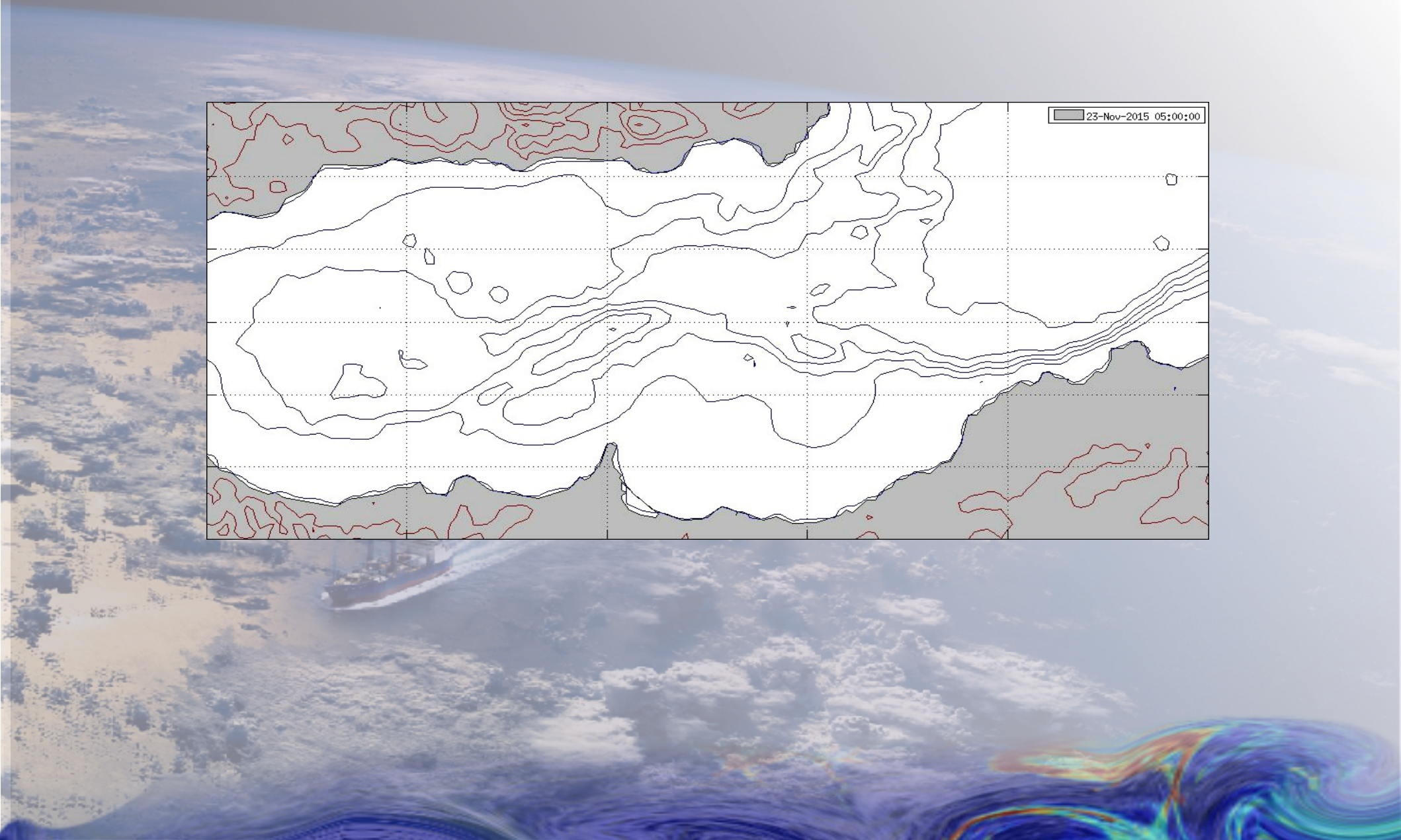
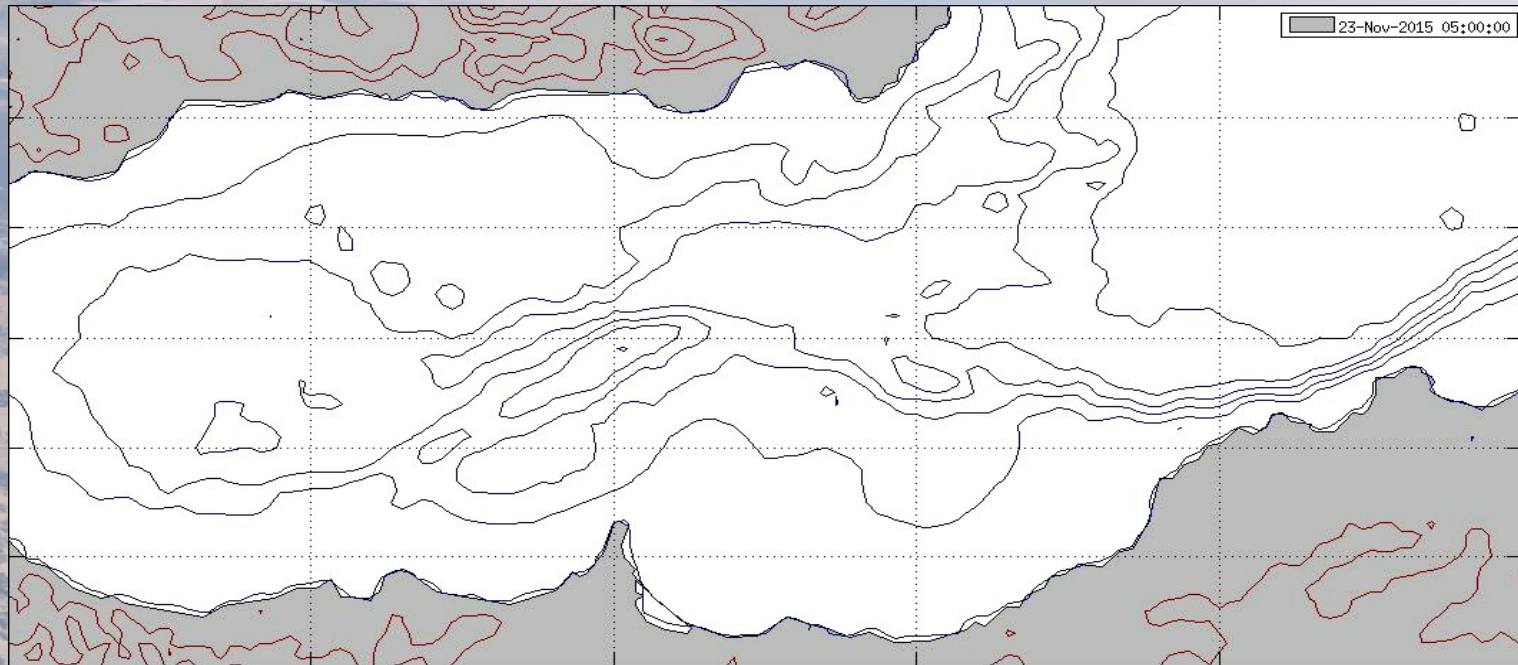
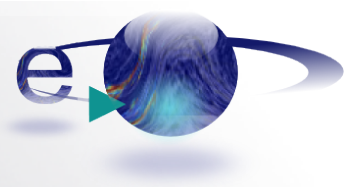


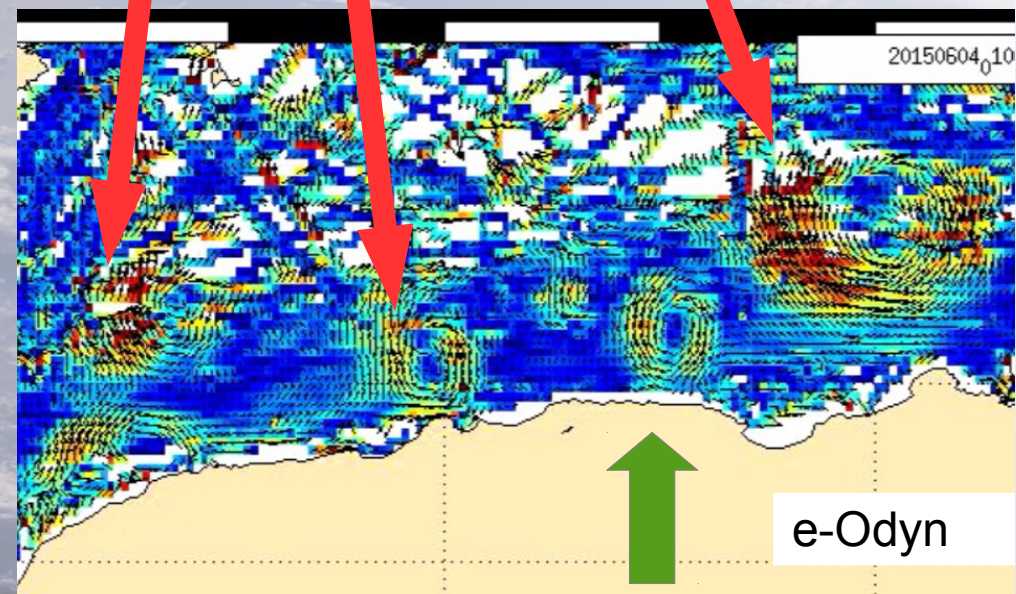
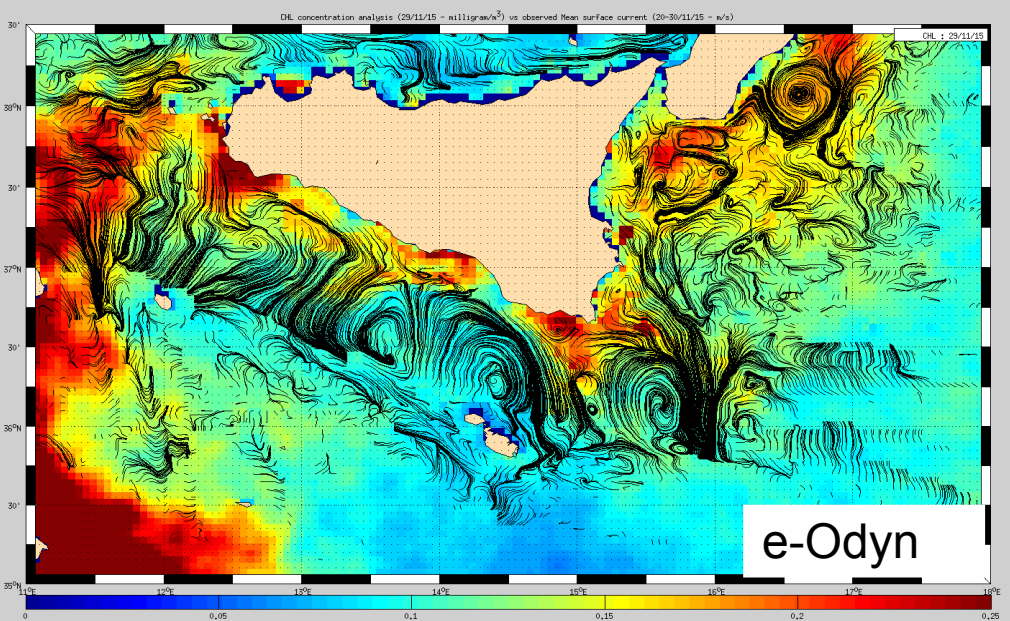
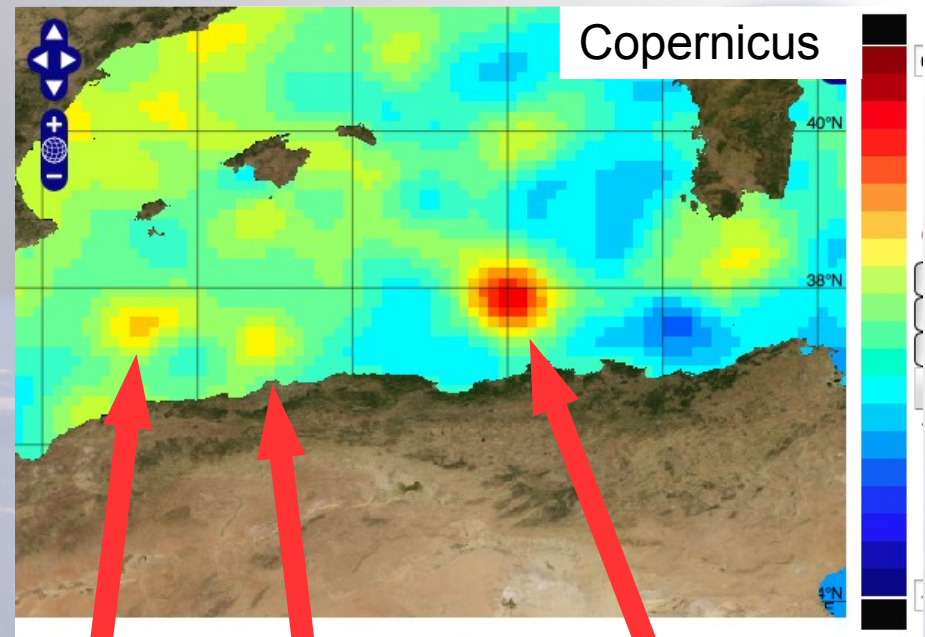
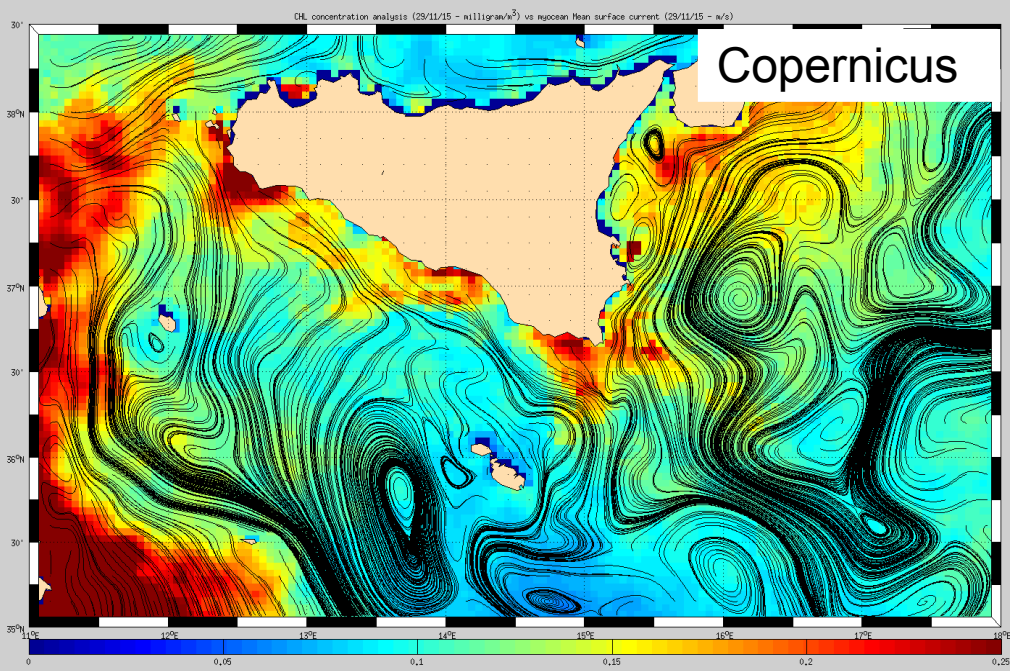
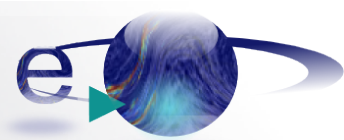


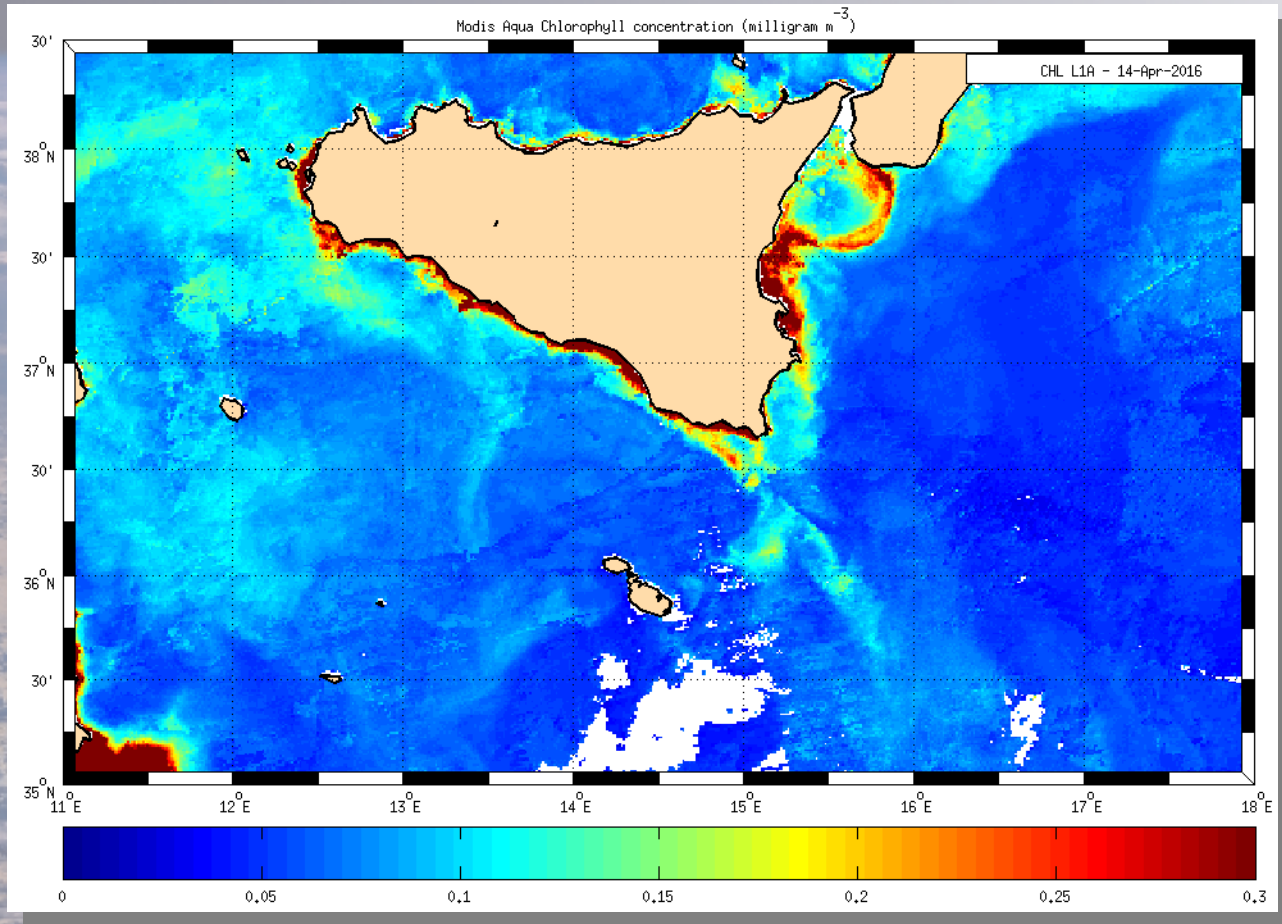
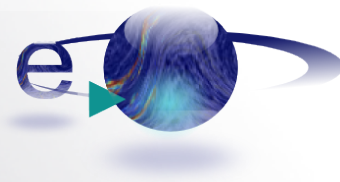
Some results

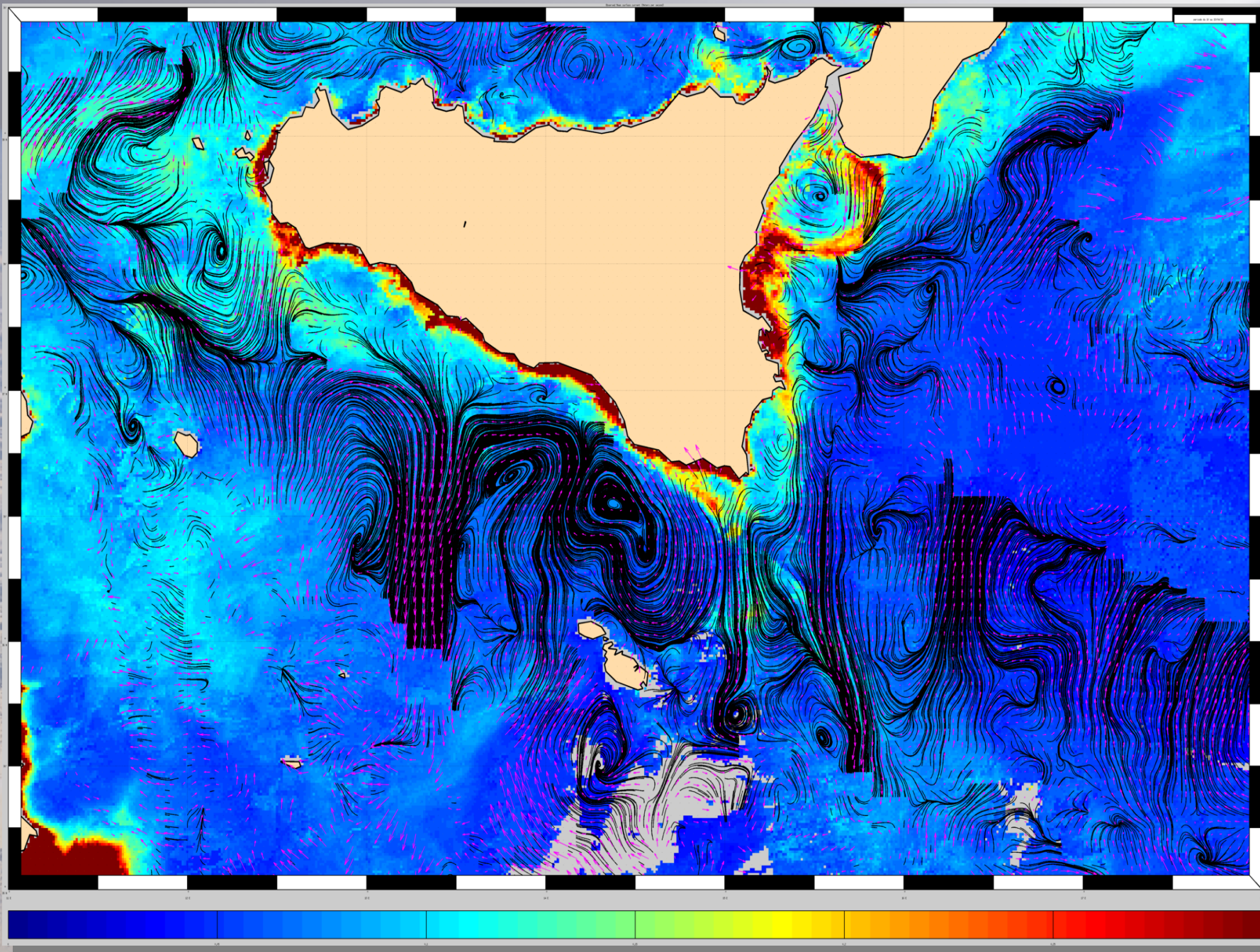
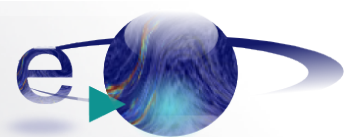


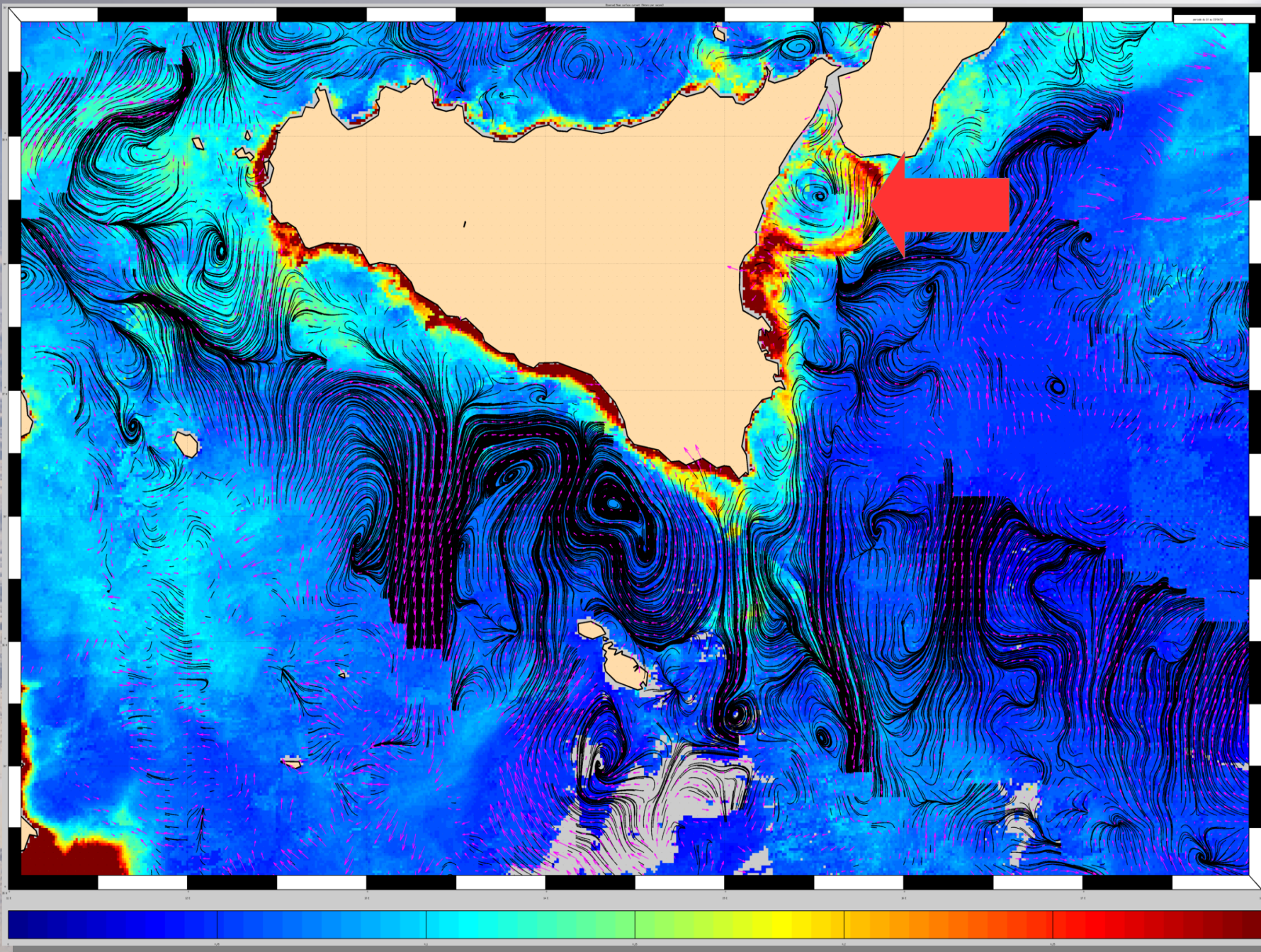
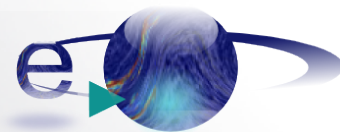


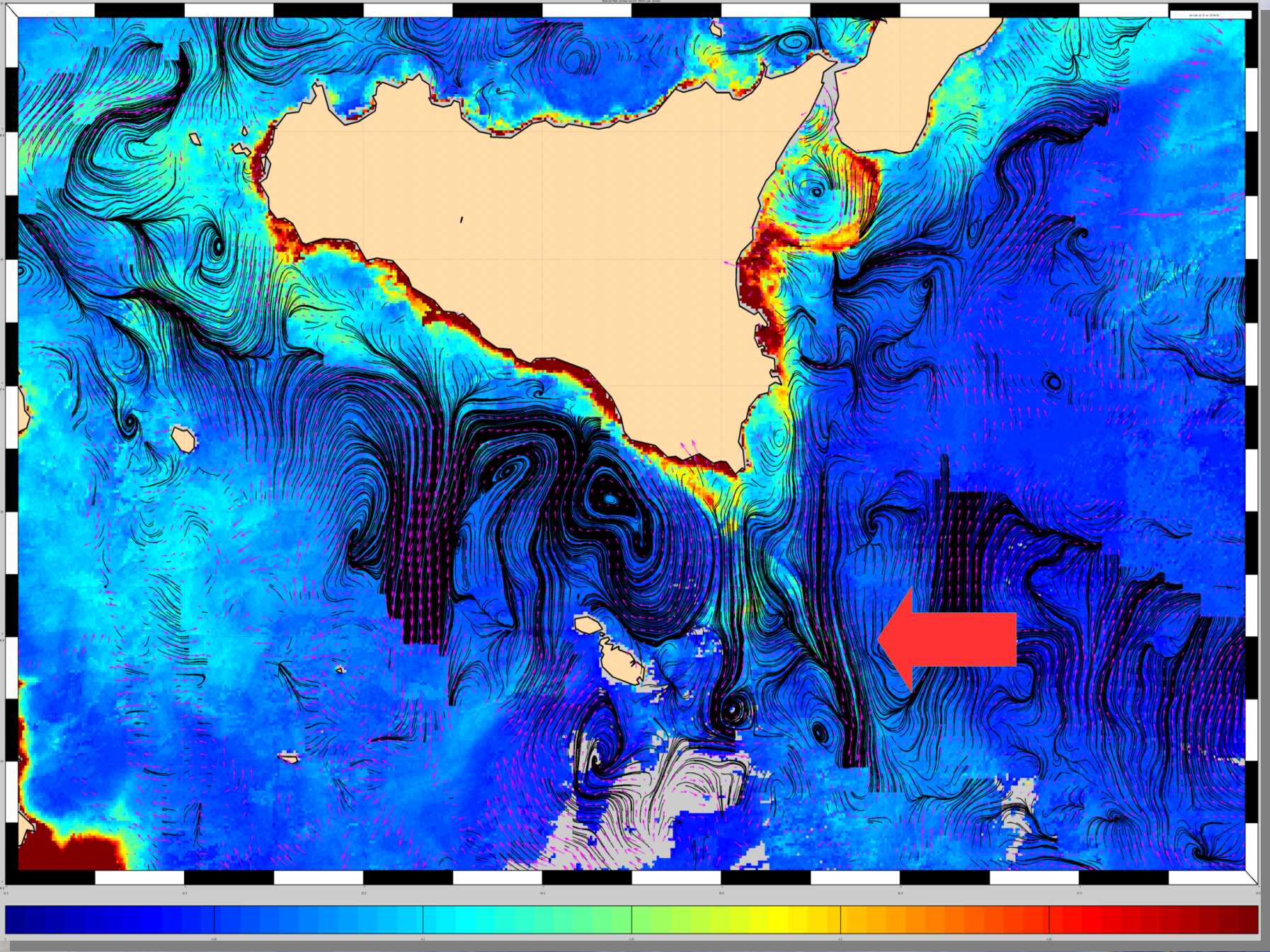
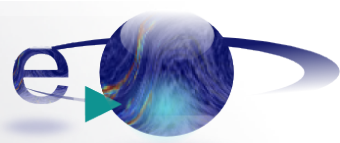


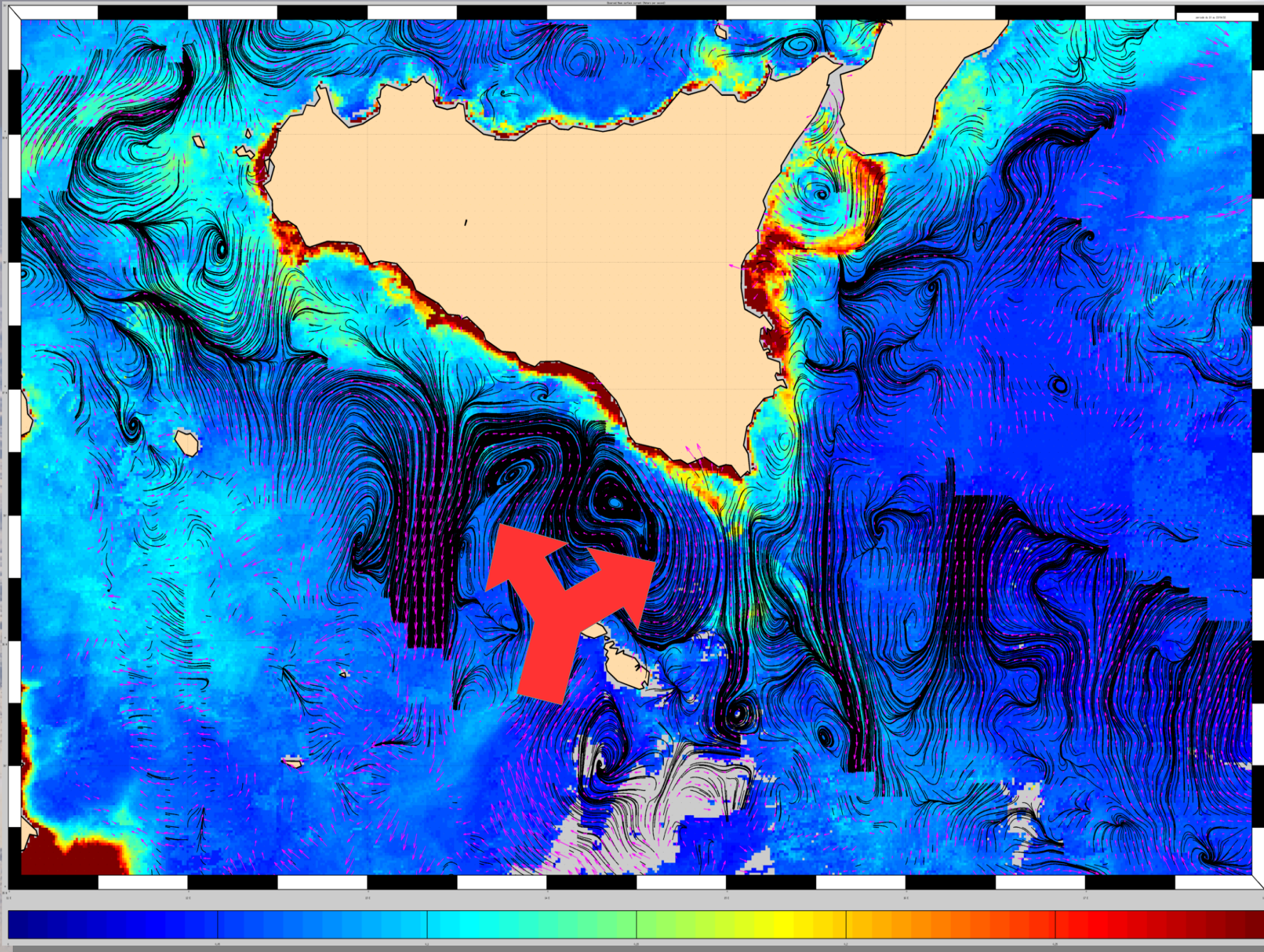
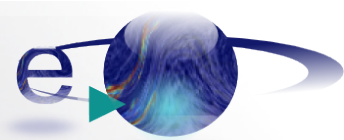


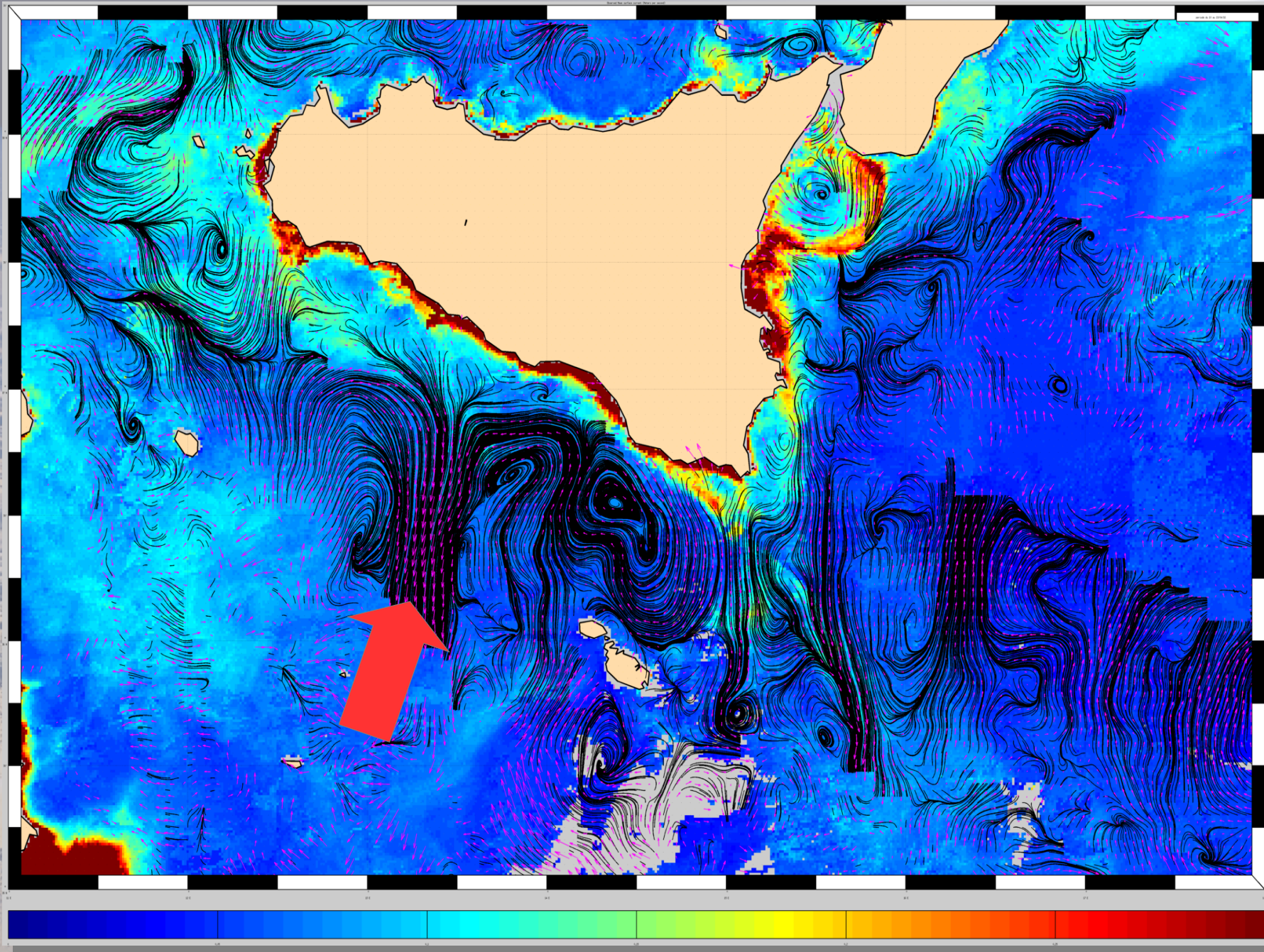
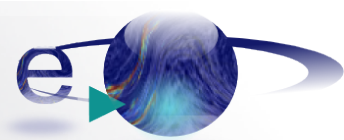


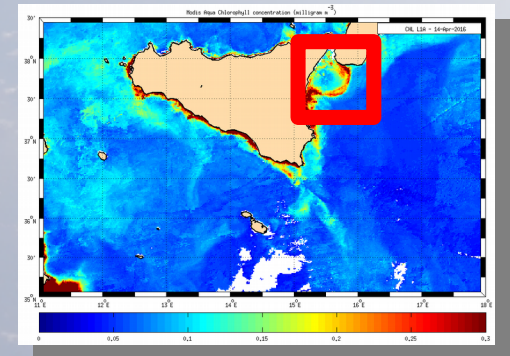
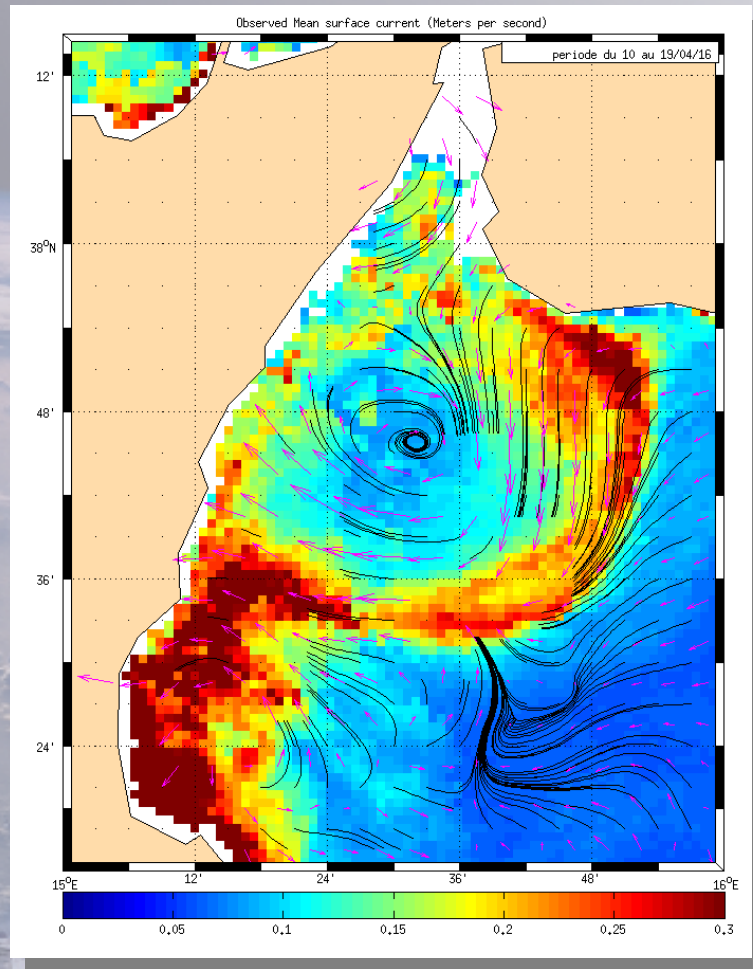
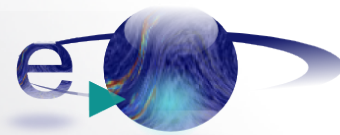


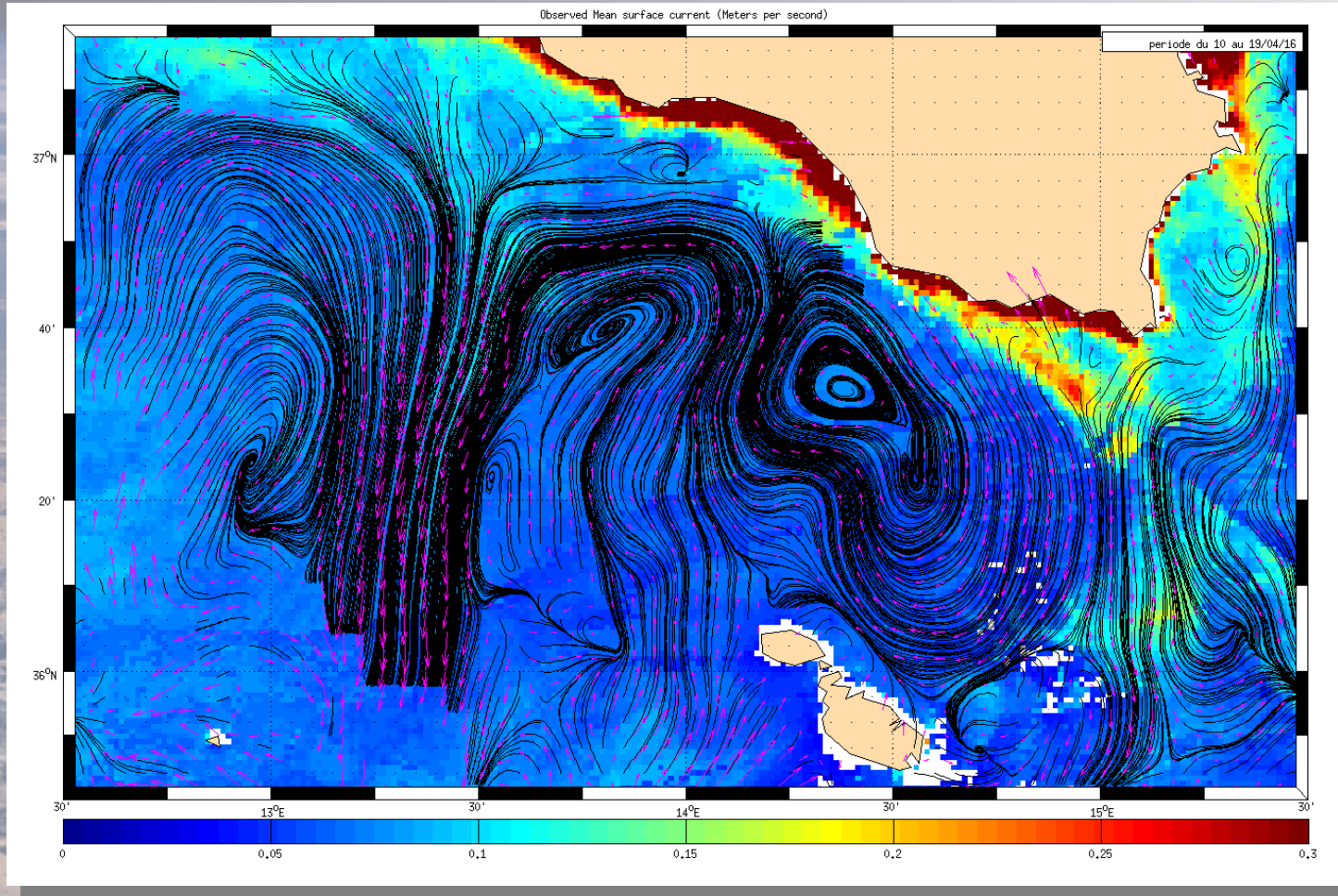
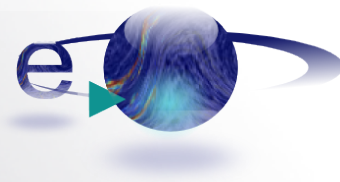


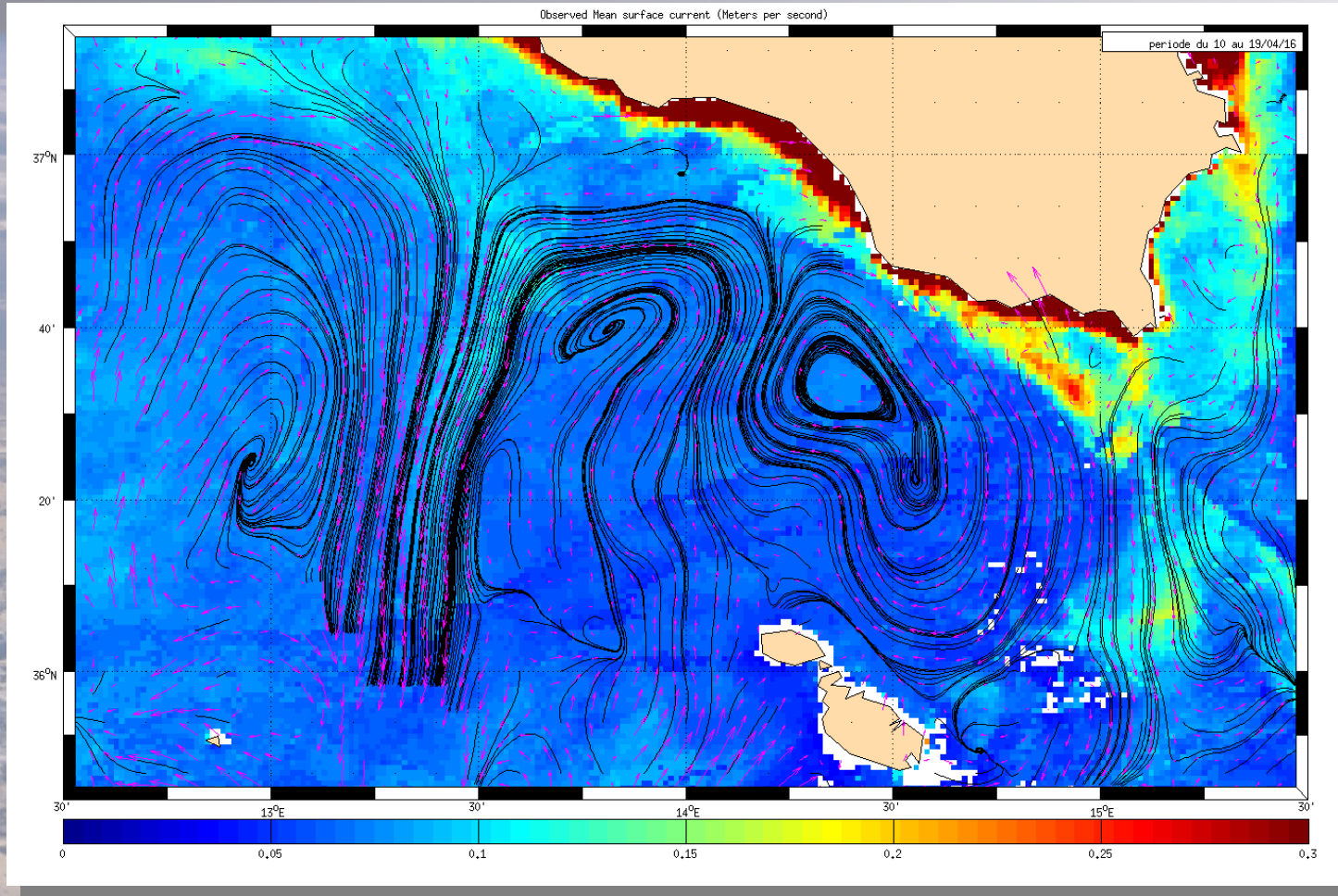
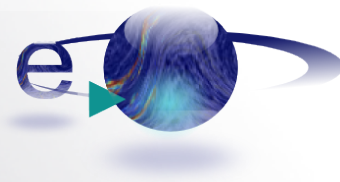


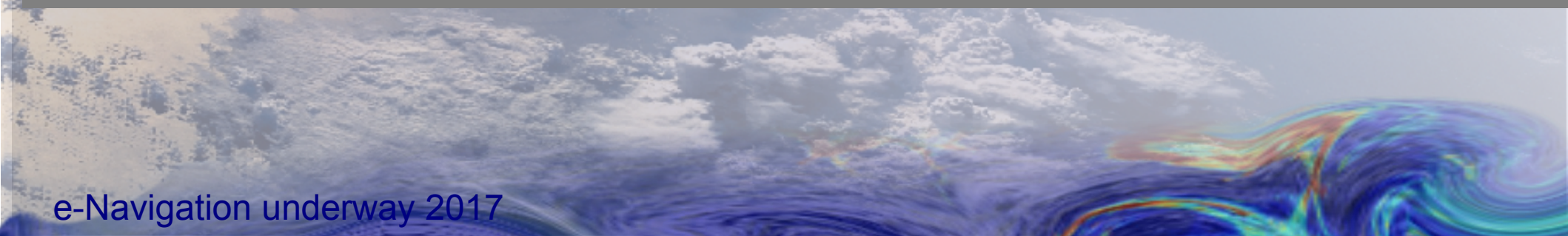
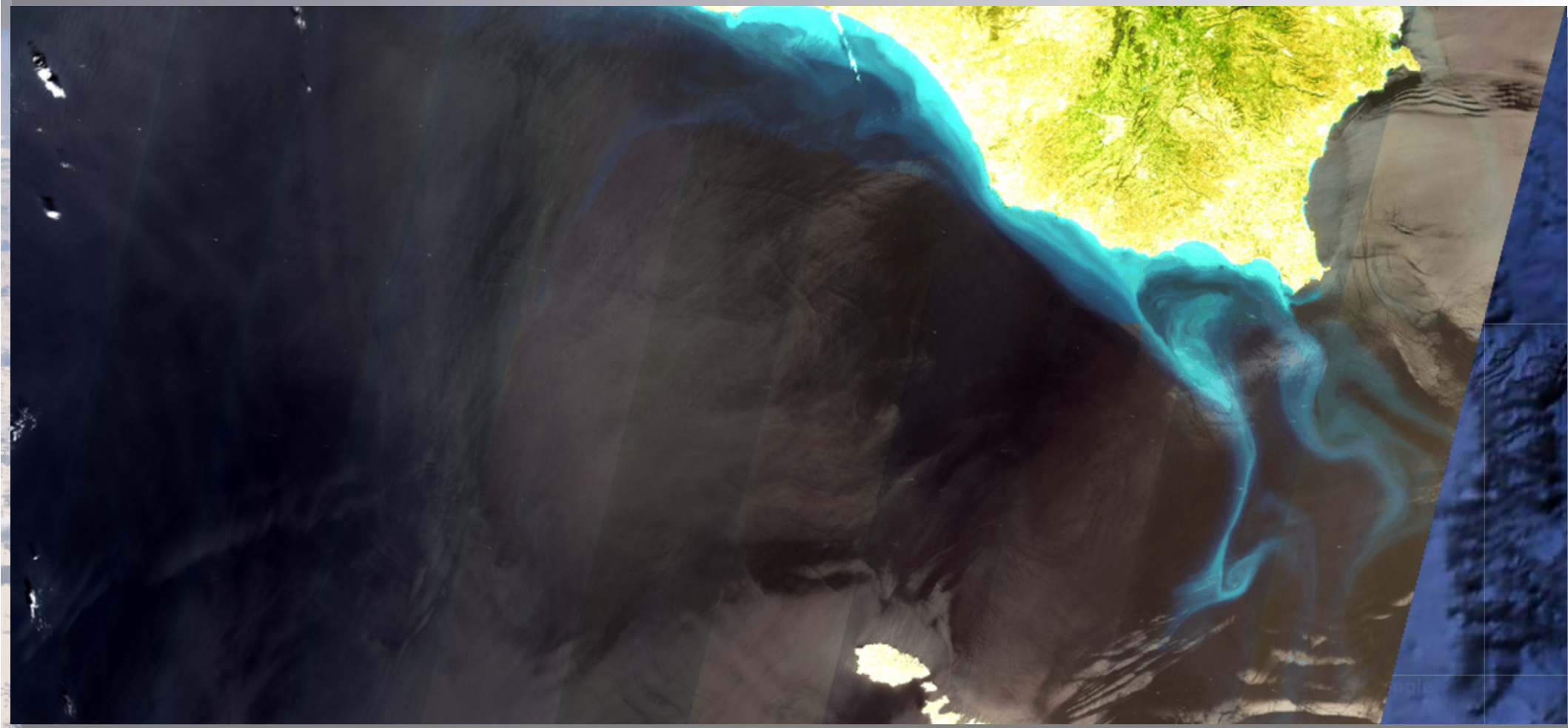
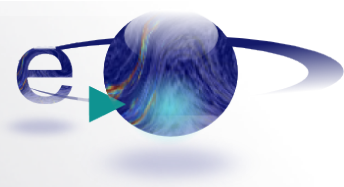




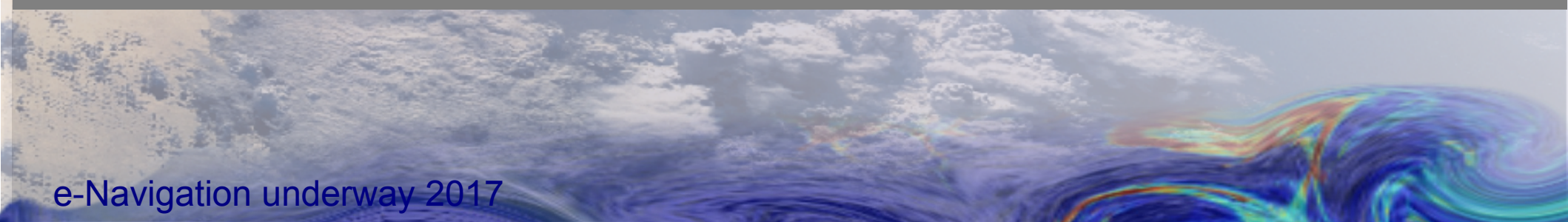
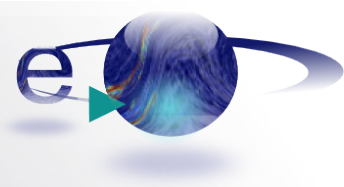






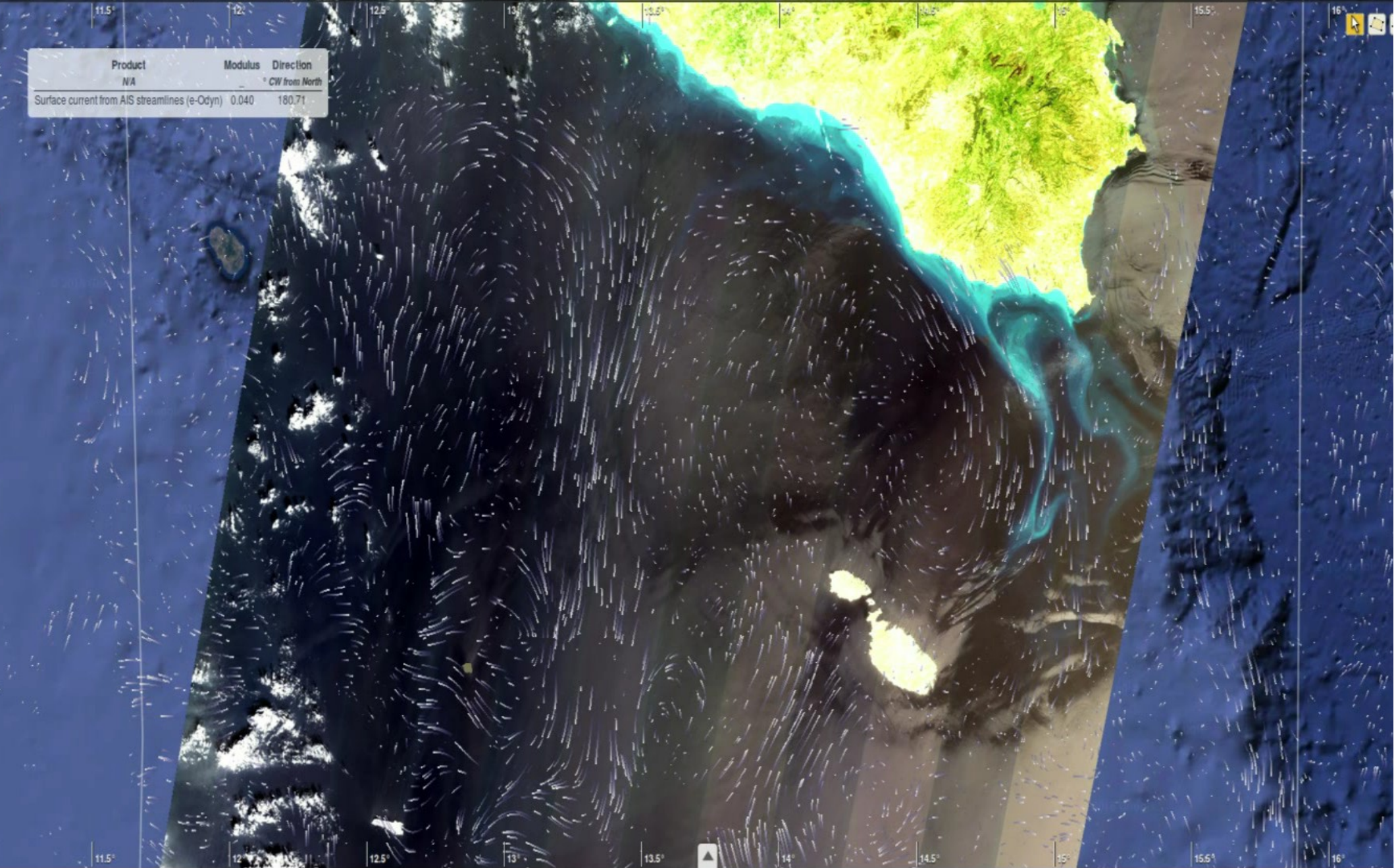


e-Navigation underway 2017

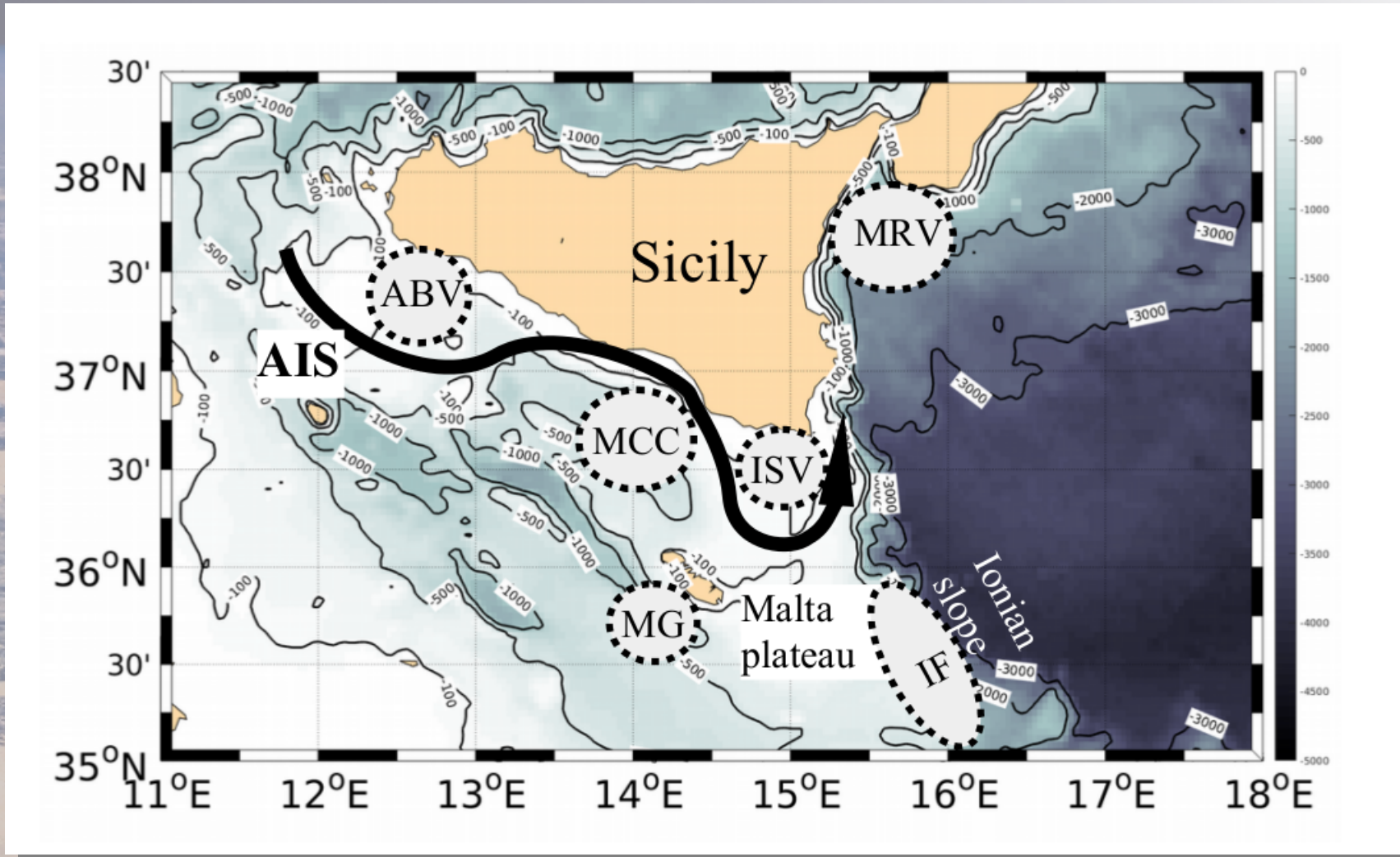
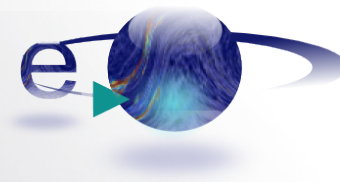


e-Navigation underway 2017

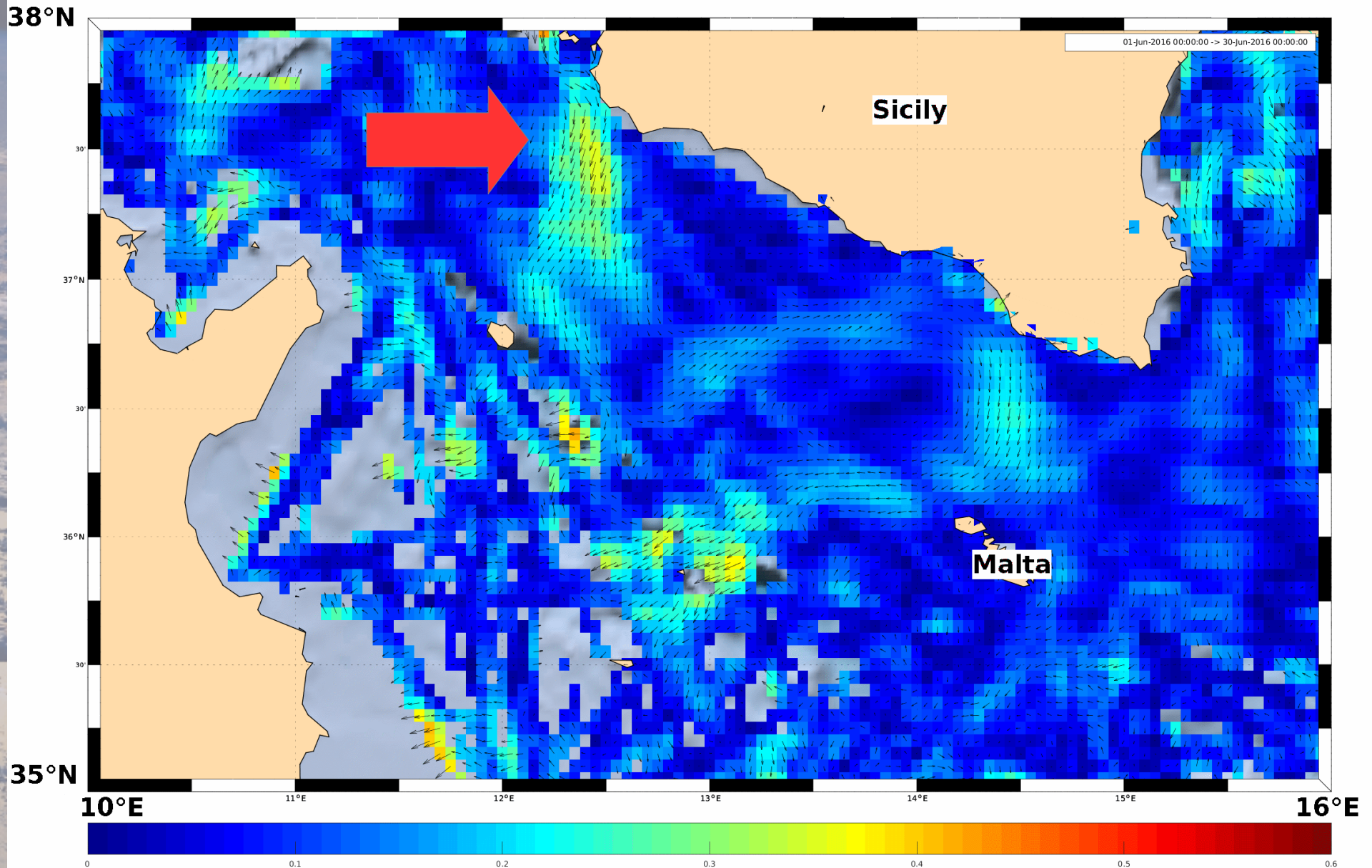
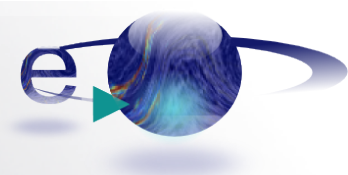
Product	Modulus	Direction
NA		° CW from North
Surface current from AIS streamlines (e-Odyn)	0.040	180.71



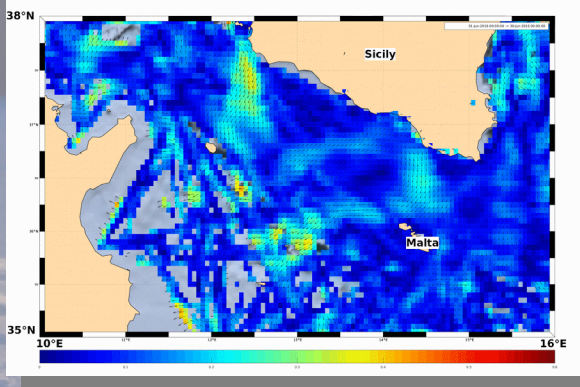
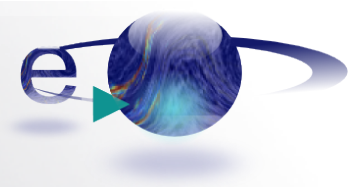
Case Study - Sicily Channel



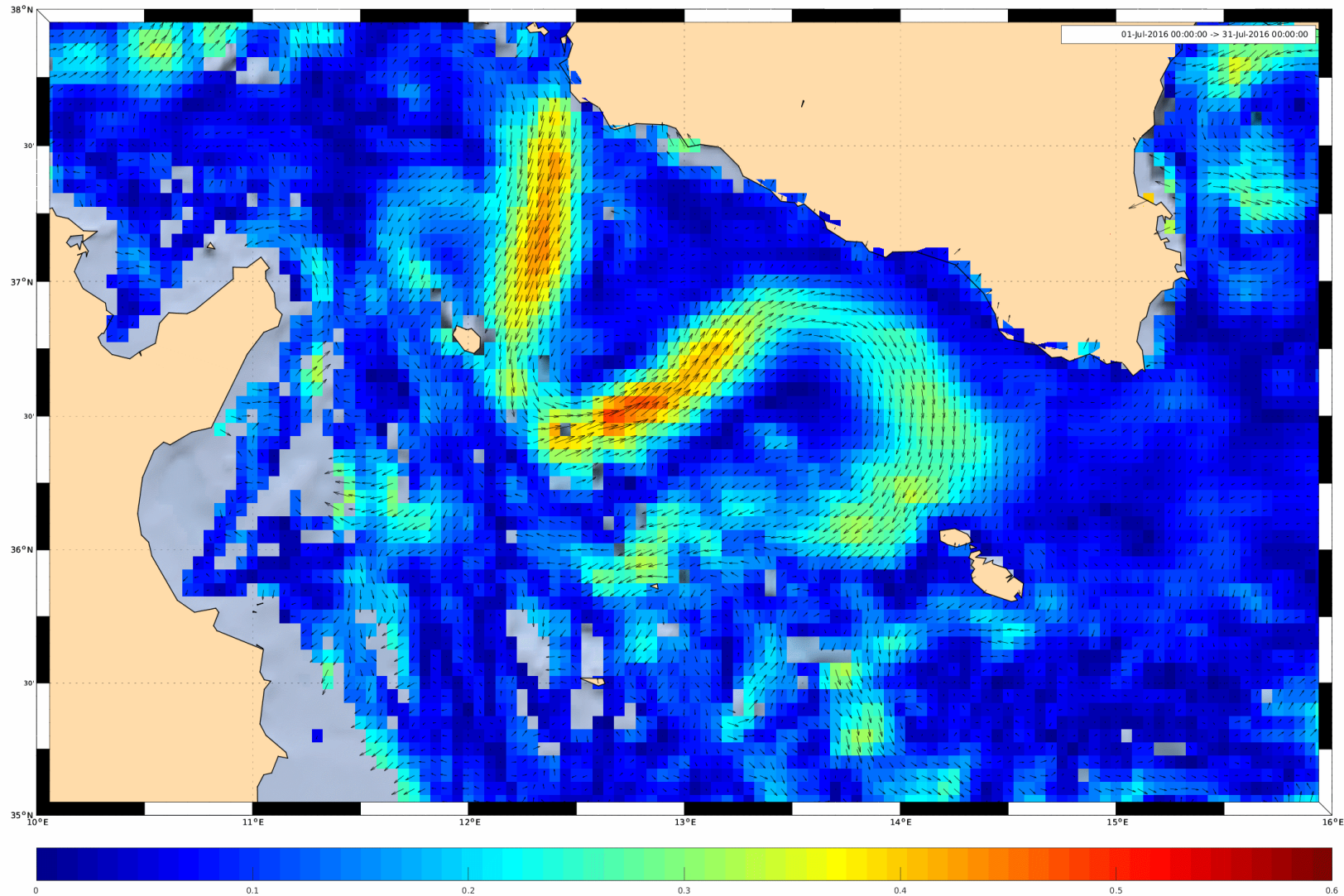
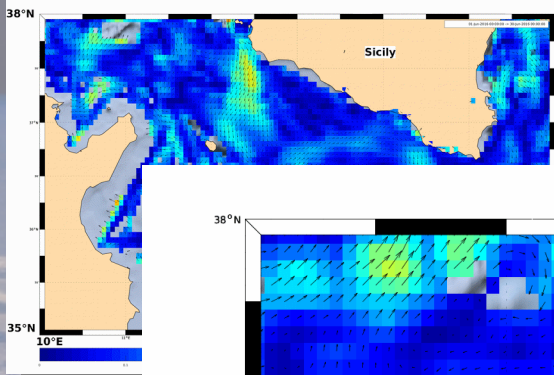
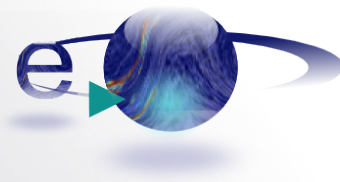
Case Study - Sicily Channel



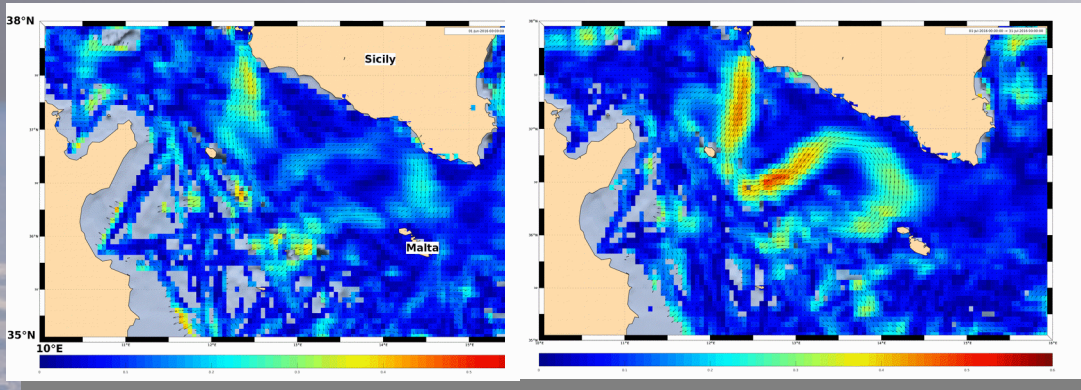
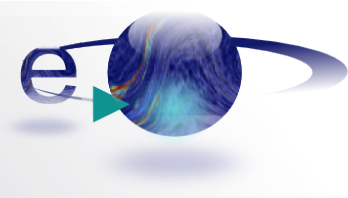
Case Study - Sicily Channel



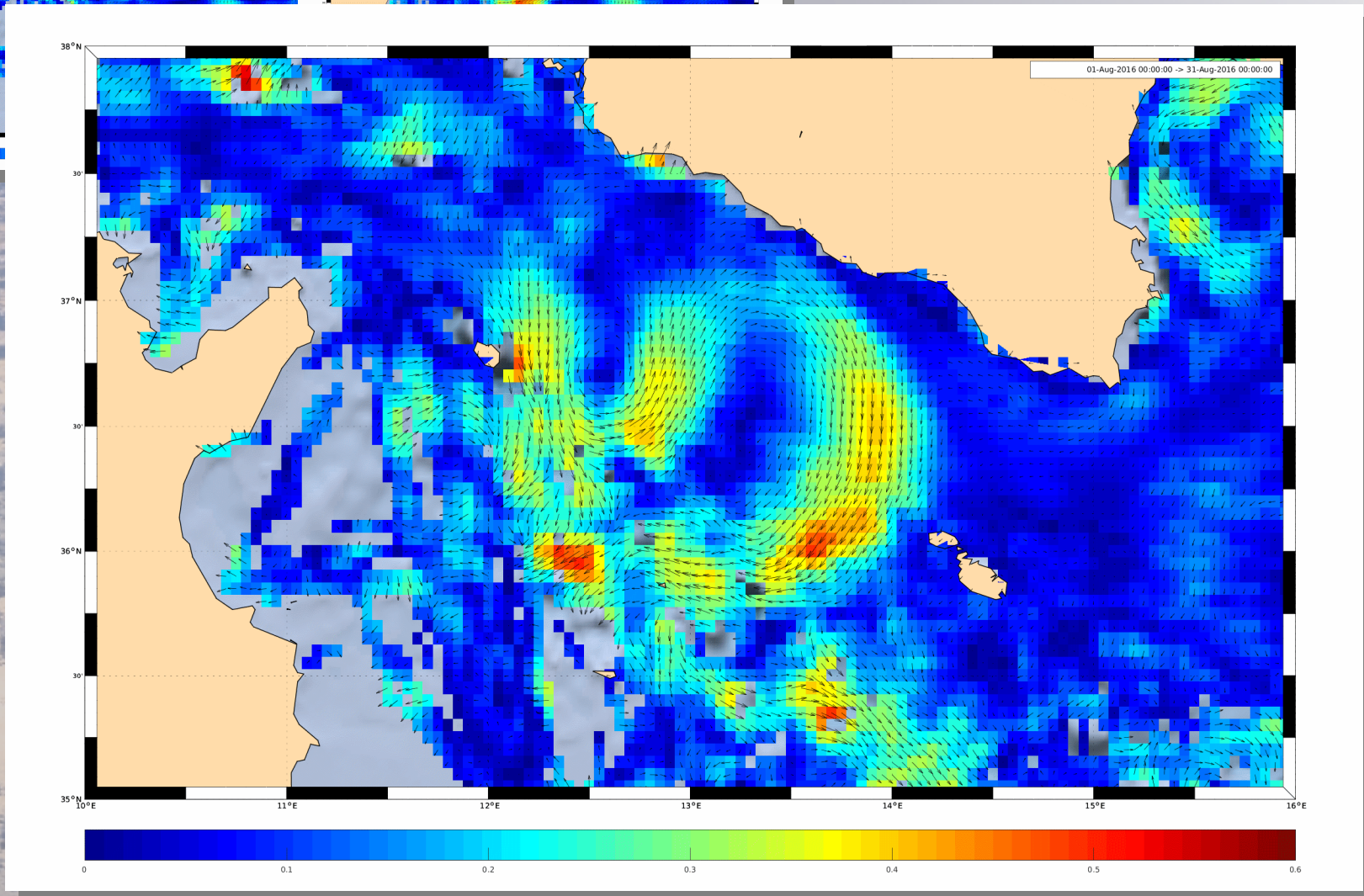
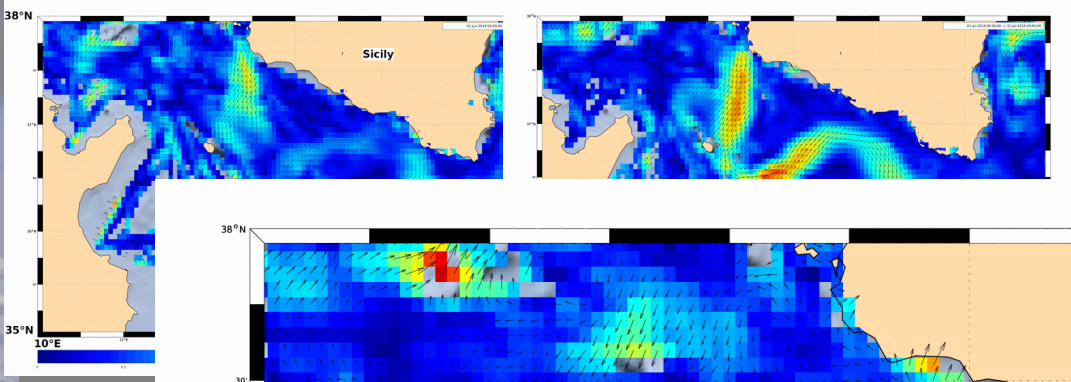
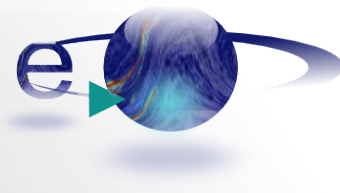
Case Study - Sicily Channel



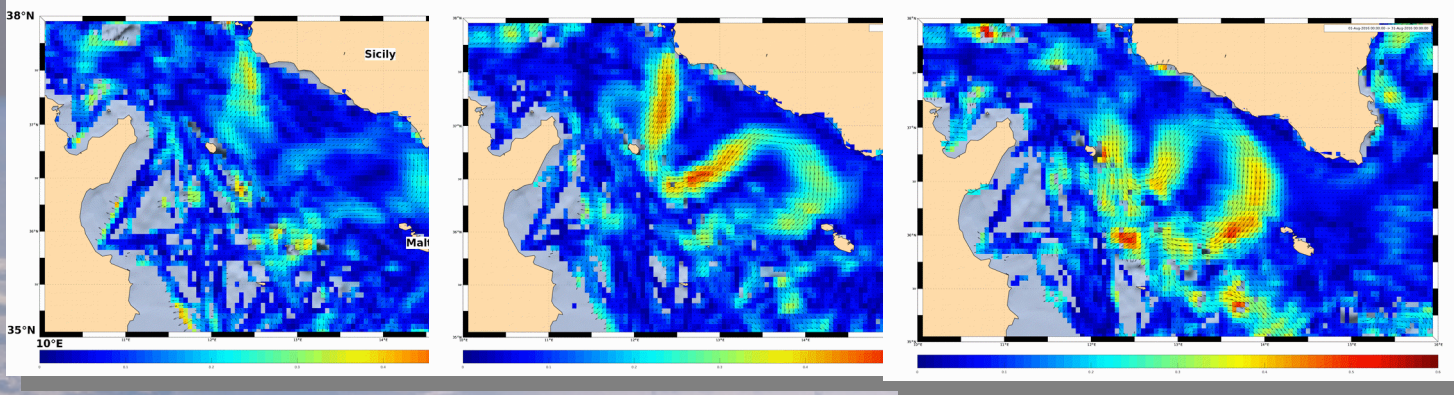
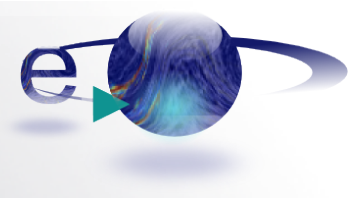
Case Study - Sicily Channel



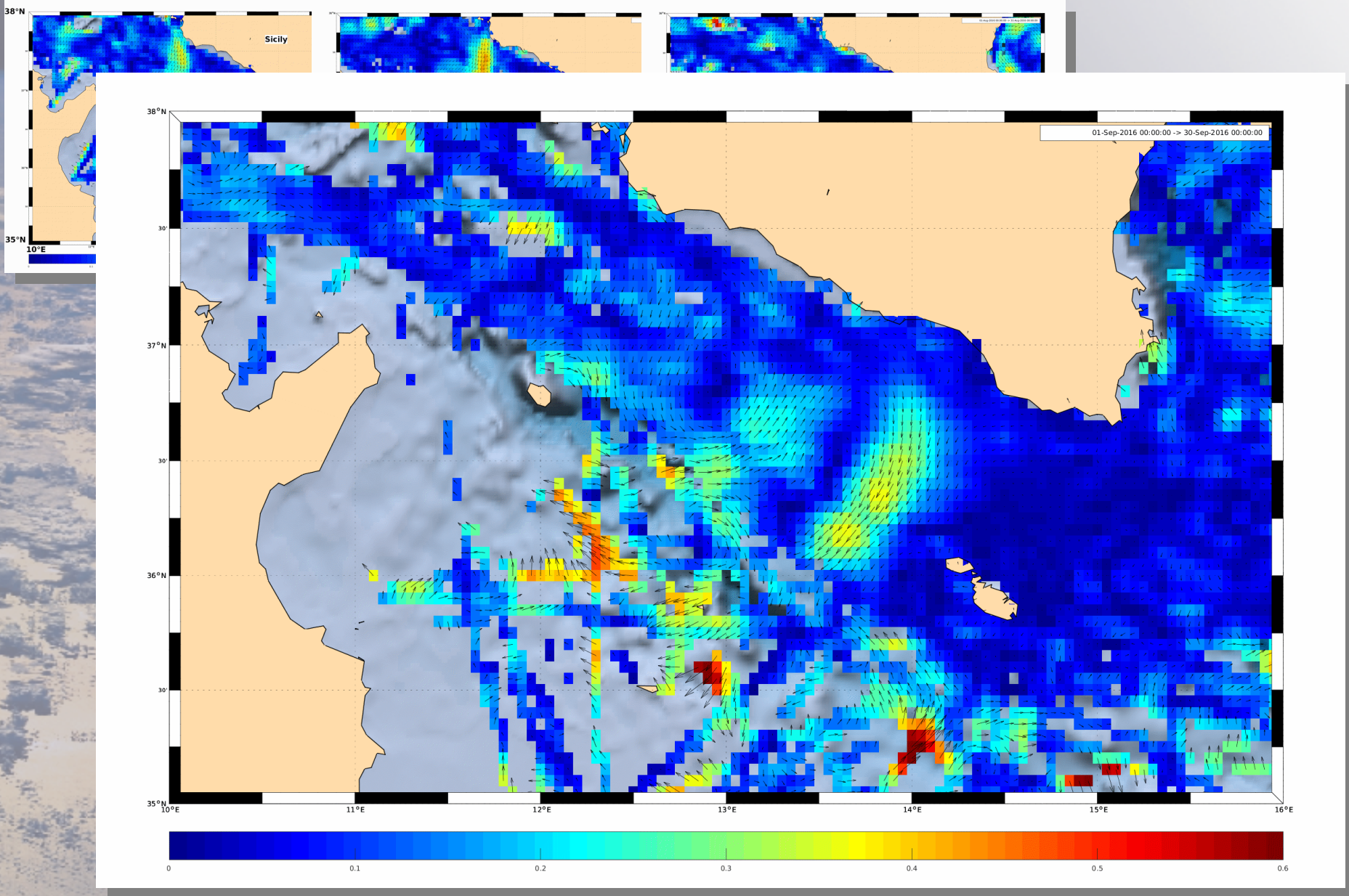
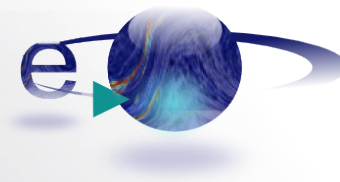
Case Study - Sicily Channel



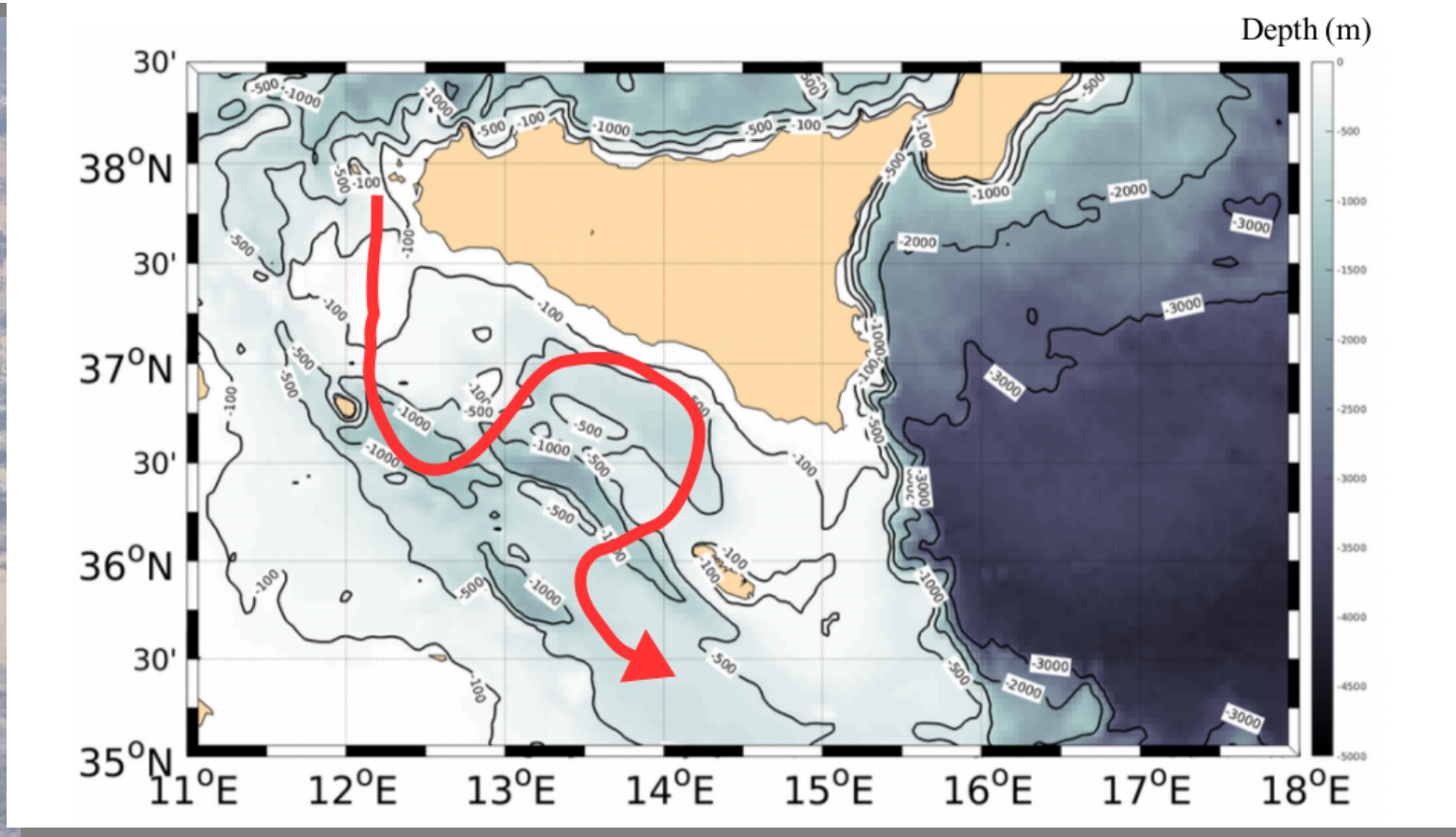
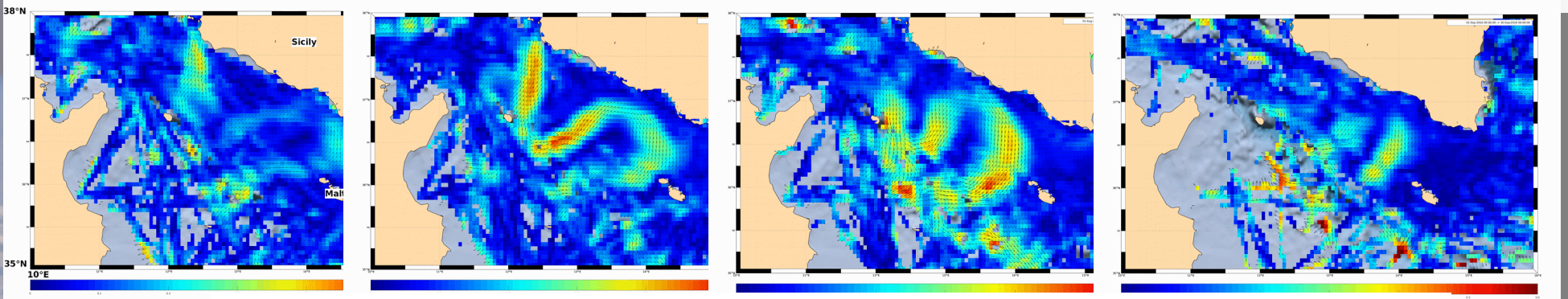
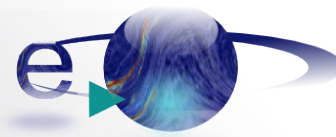
Case Study - Sicily Channel



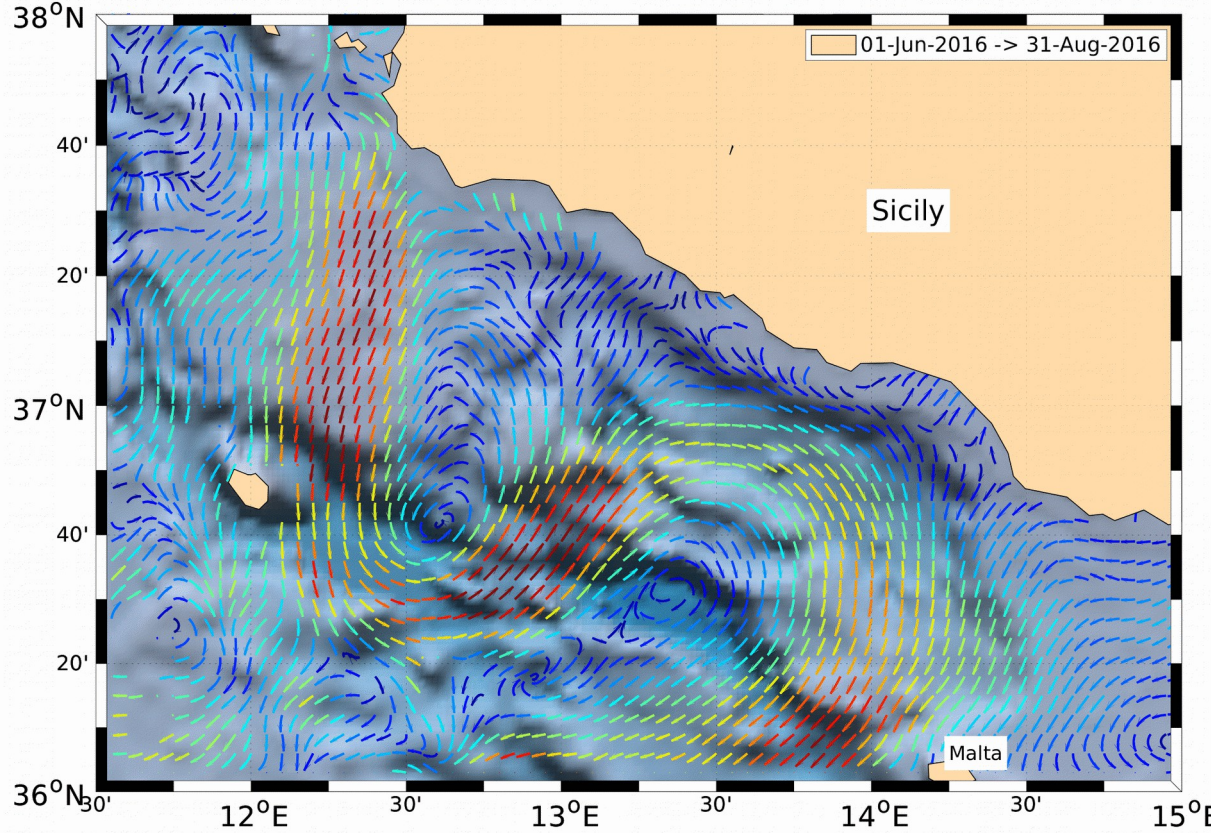
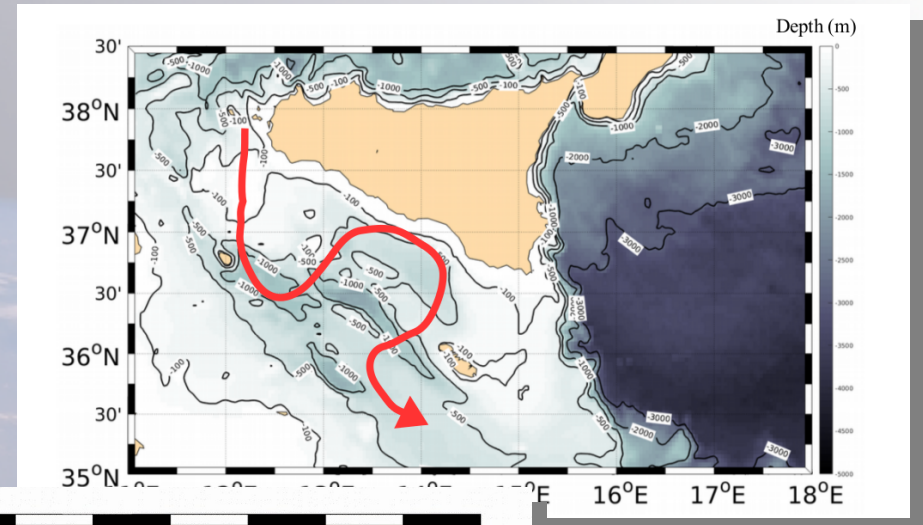
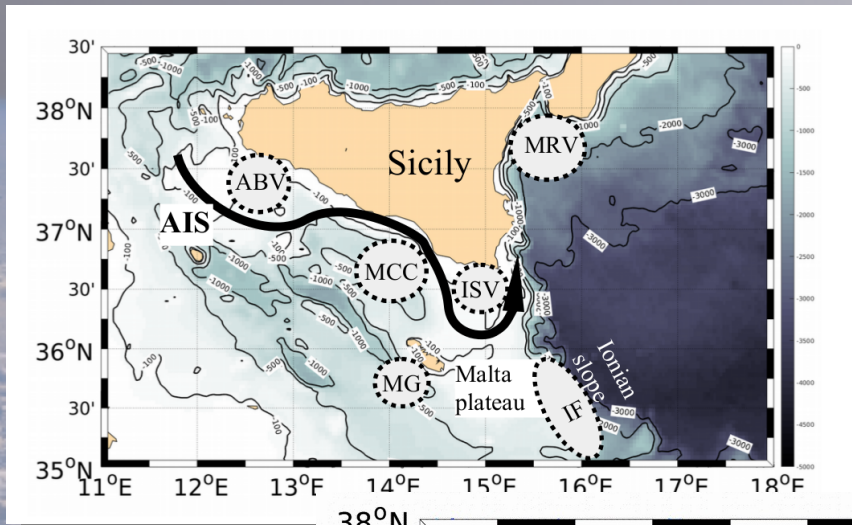
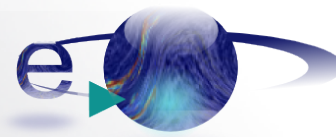
Case Study - Sicily Channel



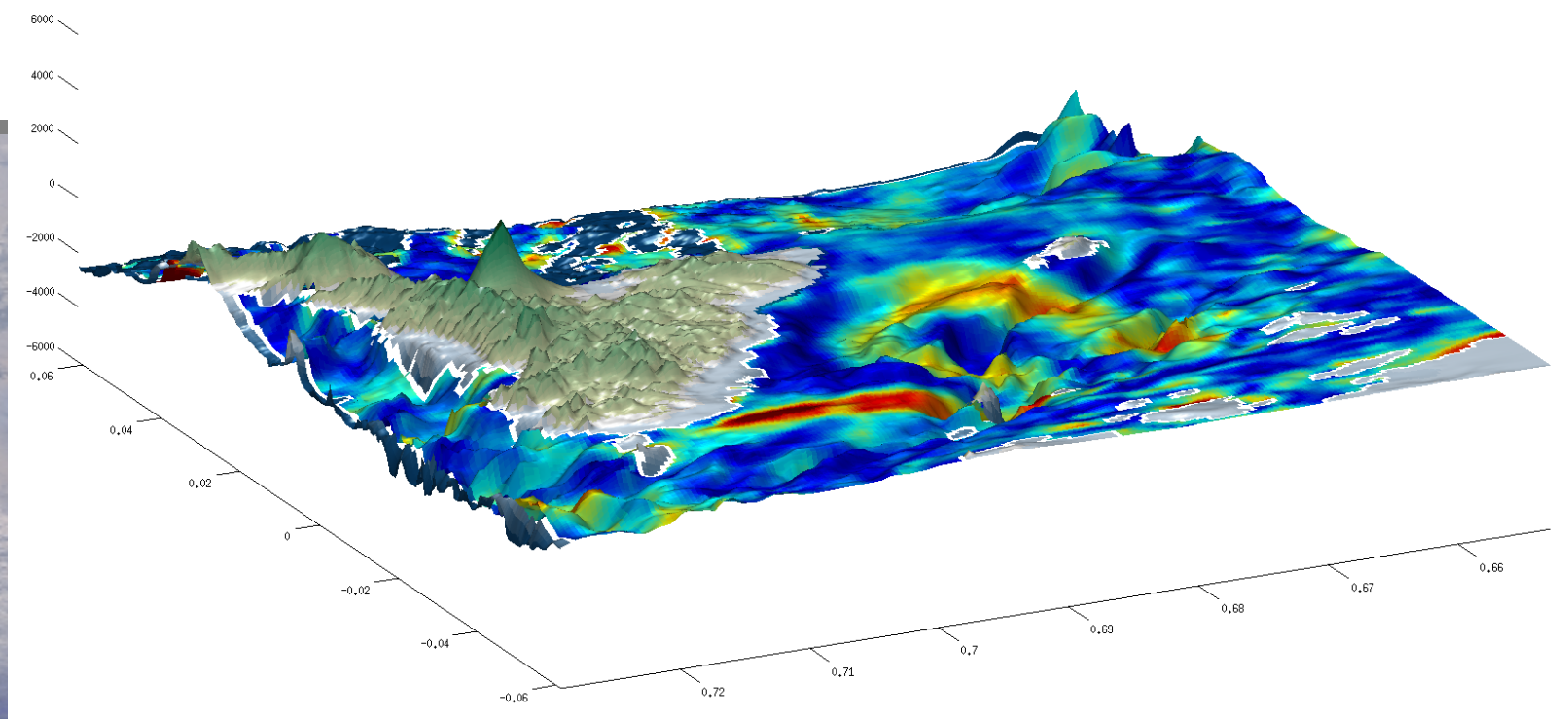
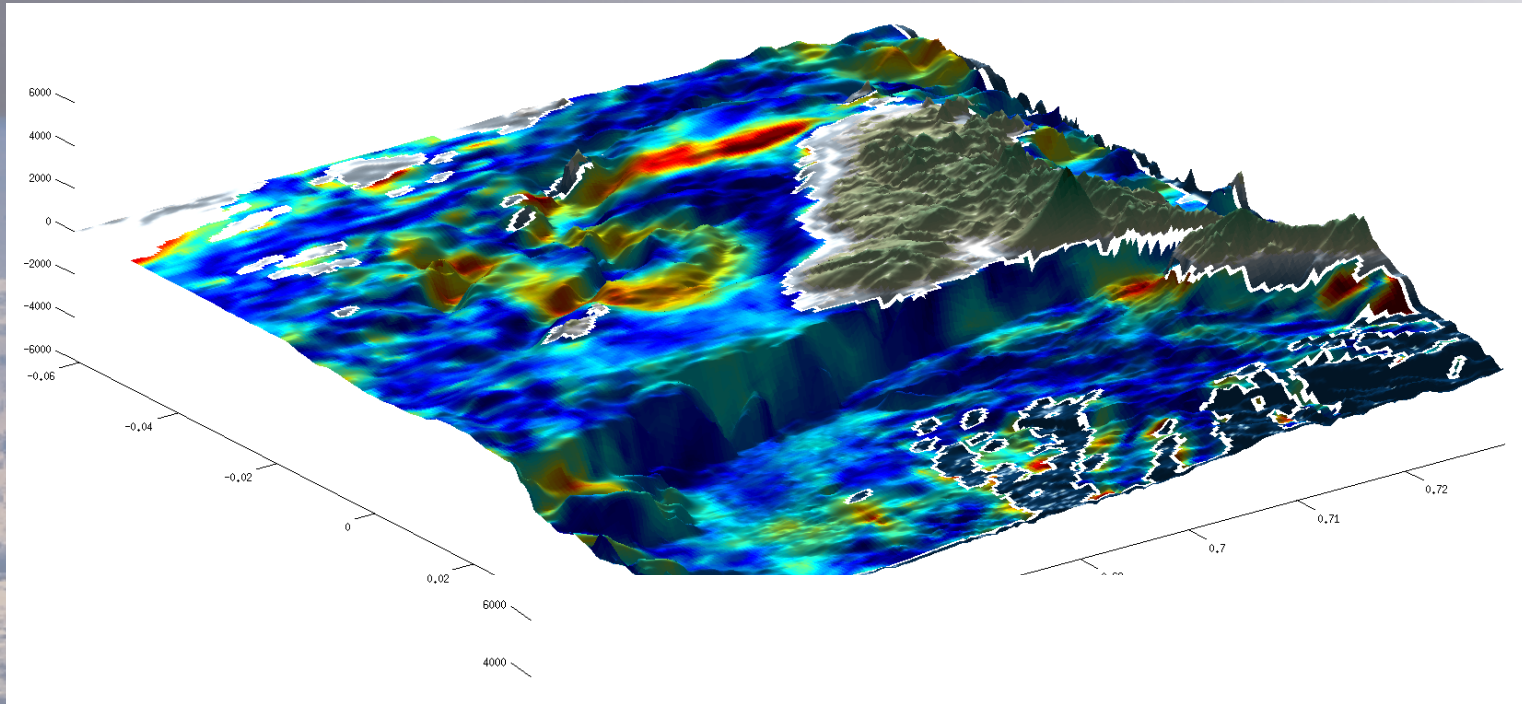
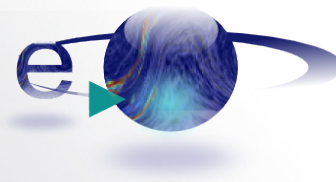
Case Study - Sicily Channel

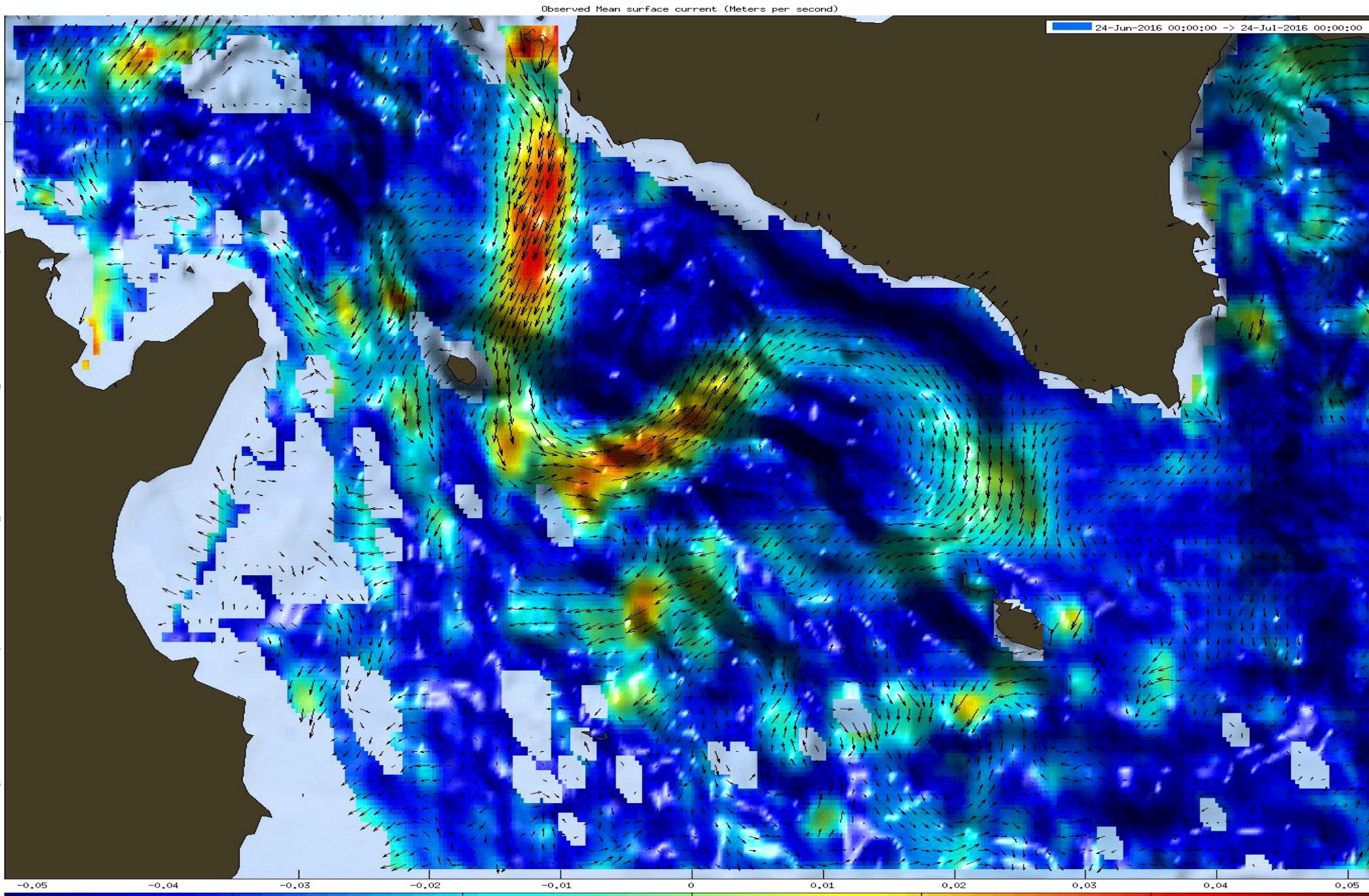
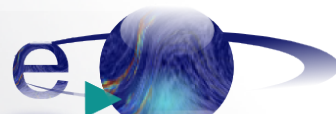


Case Study - Sicily Channel

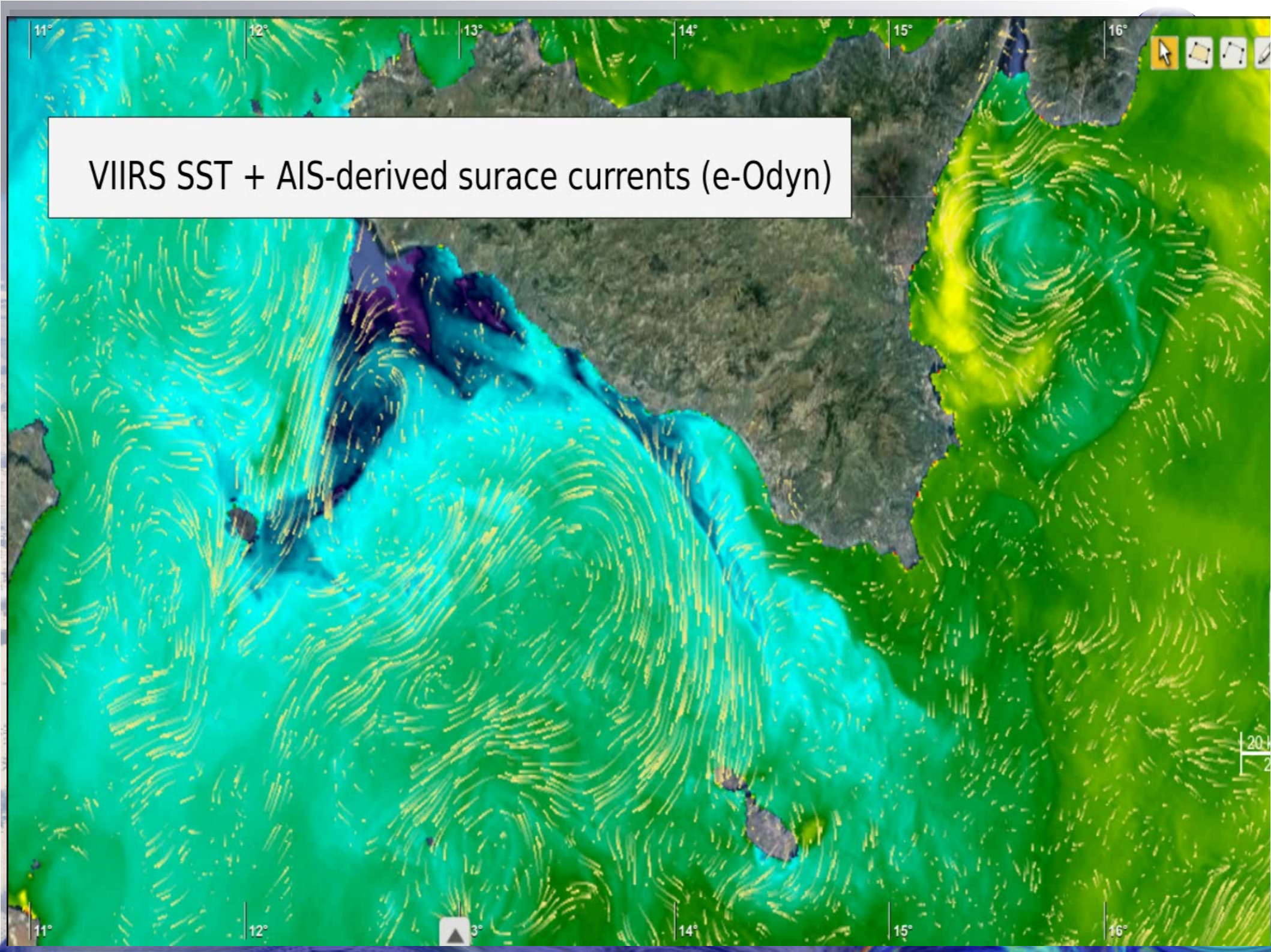


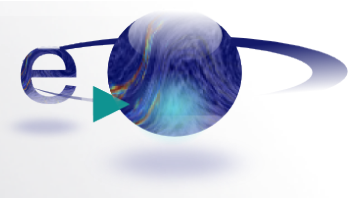
Case Study - Sicily Channel





VIIRS SST + AIS-derived surface currents (e-Odyn)





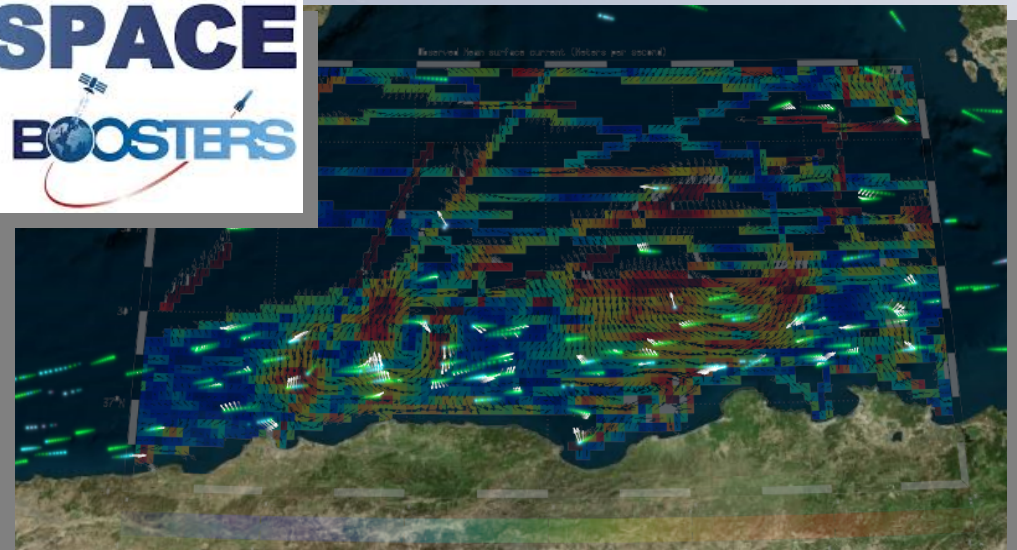
eCO₂track

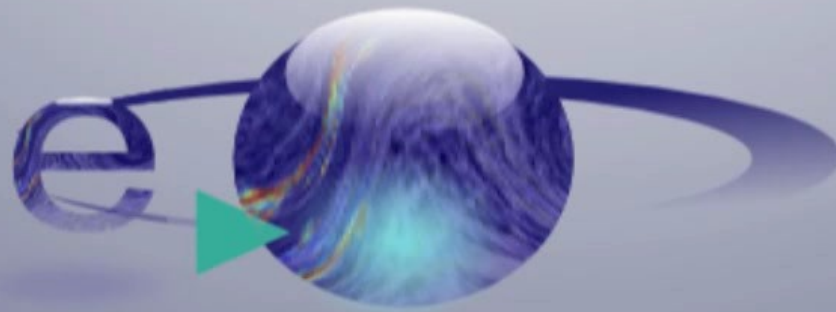
A French awarded and funded project to :

- Demonstrate e-Motion efficiency with Sat-AIS data
- Show the complement to altimetry
- Develop a real-time Sat-AIS processing chain
- Demonstrate the potential of the method for ship routing applications



MORESPACE
BOOSTERS





www.e-Odyn.com