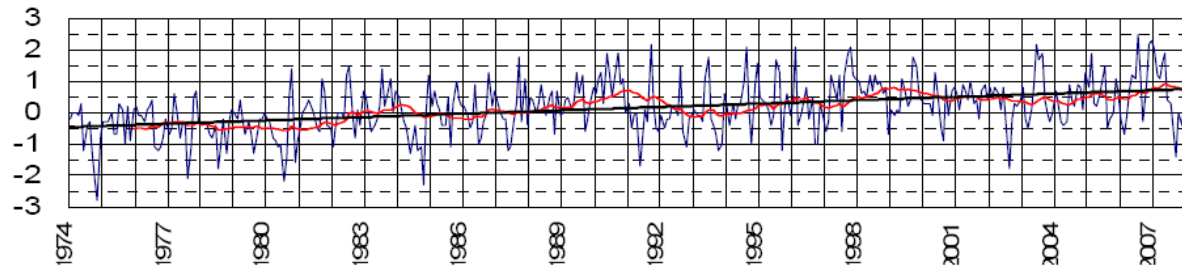


TRANSMED: a (future) network of low-cost thermosalinometers in the Med.



Increase of the sea surface temperature:
 $1.1^{\circ}\text{C} / 27 \text{ years} = 0.04^{\circ}\text{C} / \text{year}$

Main objectives of TRANSMED:

- **monitoring** the **surface water** characteristics : T and S (=> **proved technology**)
- with a **fine sampling interval** (=> **sample extreme events**)
- over the **whole Mediterranean** (=> **synopticity + southern countries involvement**)
- along **regular** ferry or shipping routes, using **time series** (=> **relevant statistics**)
- during **decades** (=> **decadal variability**) up to **permanently** (=> **climate change**)
- transmit data in (near-)real time (=> **forecasts**)

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 CNRS/UNIVERSITÉ DE LA MÉDITERRANÉE, ANTENNE DE TOULON, FRANCE

www.ciesm.org



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 Institut National des Sciences de l'Univers



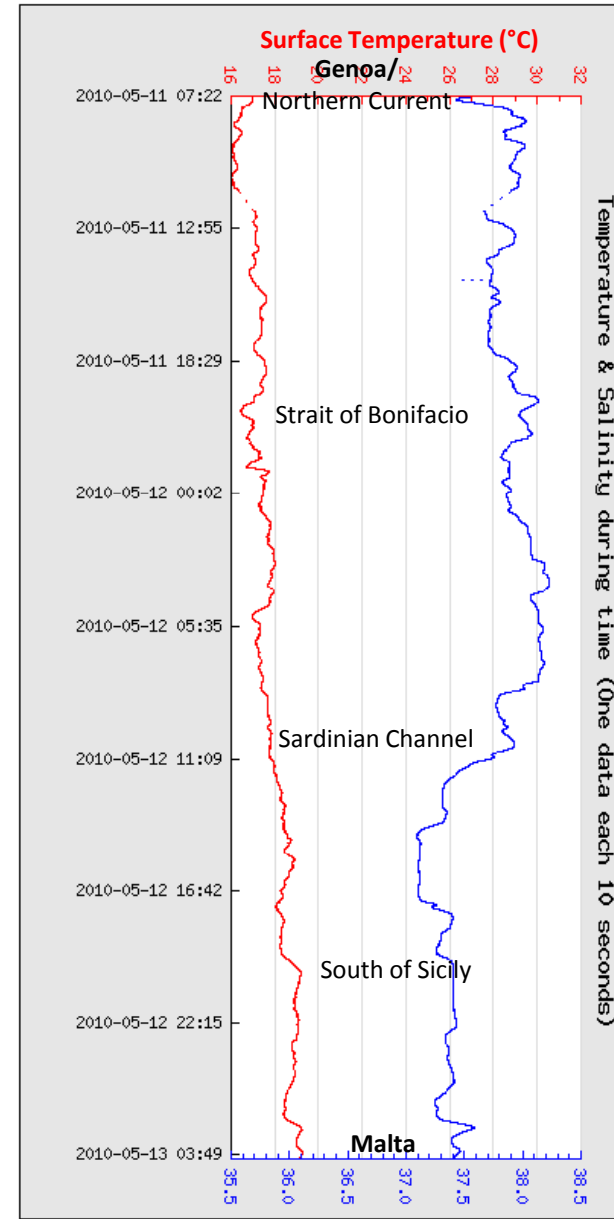
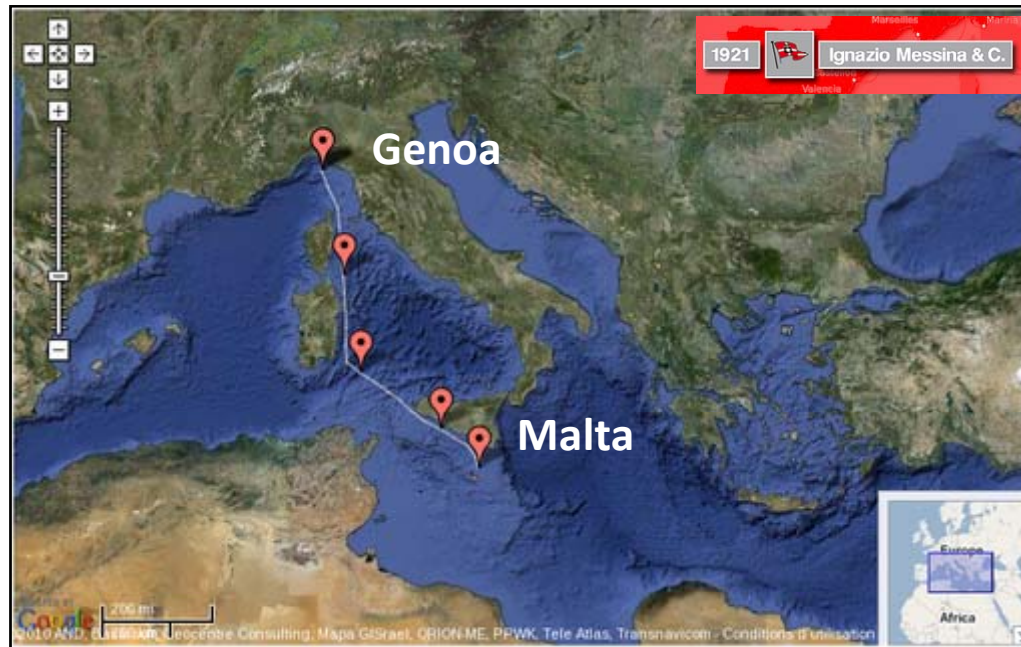
Transmed



TRANSMED prototype 2 installed on a container ship during spring 2010



First trip May 2010



www.ciesm.org



www.hymex.org



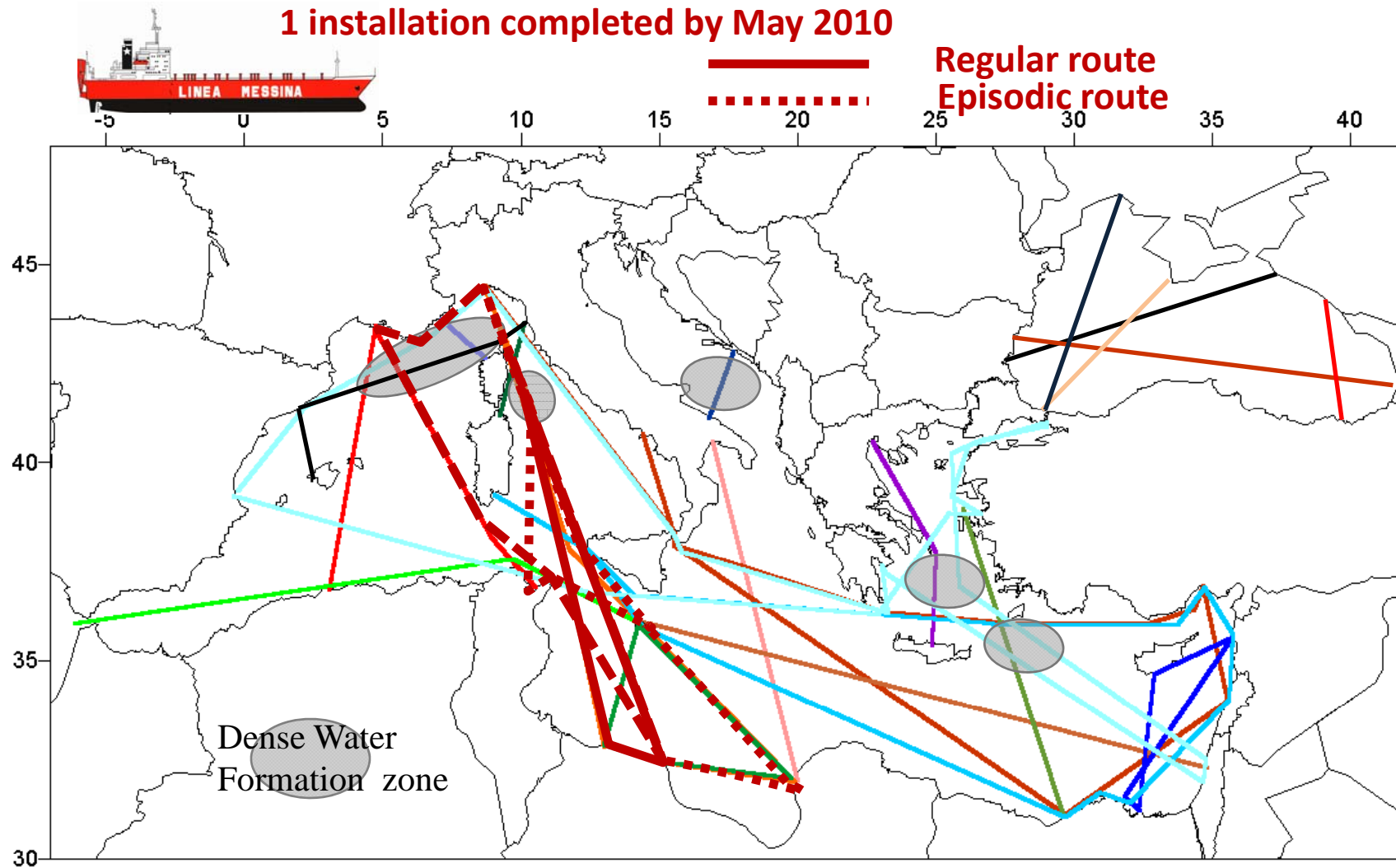
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AIX-MARSEILLE II



TRANSMED POTENTIAL NETWORK and actual status:



Any step toward industrialization of the prototype ?

