Coastal observatories and integrated coastal zone management systems

croupin

Balearic Islands Coastal Observing and Forecasting System

December 3, 2015
3 pilars for innovation...
Gliders and innovation
Gliders and innovation

Industrial Leadership
Gliders and innovation

Industrial Leadership

Excellent Science
Gliders and innovation

Industrial Leadership

Excellent Science

Societal Challenges
Gliders and industry

From Curtin and Belcher (2008) Oceanography
Gliders and science

Mesoscale, submesoscale, vertical motions
Gliders and science

Variability at choke points

Geostrophic transport through the IC, per transect (bar) and watermass (colour)

- Transports north
  - 0.4 – 0.5 Sv, eddy perturbations
  - 0.5 Sv, AW Inflows

- Transports south
  - 0.7 – 0.8 Sv, eddy perturbations
  - 0.8 Sv, winter arrival WIW

Date: Mar11, Jun11, Sep11, Dec11, Mar12, Jun12, Sep12, Dec12, Mar13, Jun13, Sep13, Dec13
Gliders and society

http://www.followtheglider.com/
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SOCIB gliders in 2015

8 missions
SOCIB gliders in 2015

260 days in water
SOCIB gliders in 2015

30 euros / profile
SOCIB gliders in 2015