

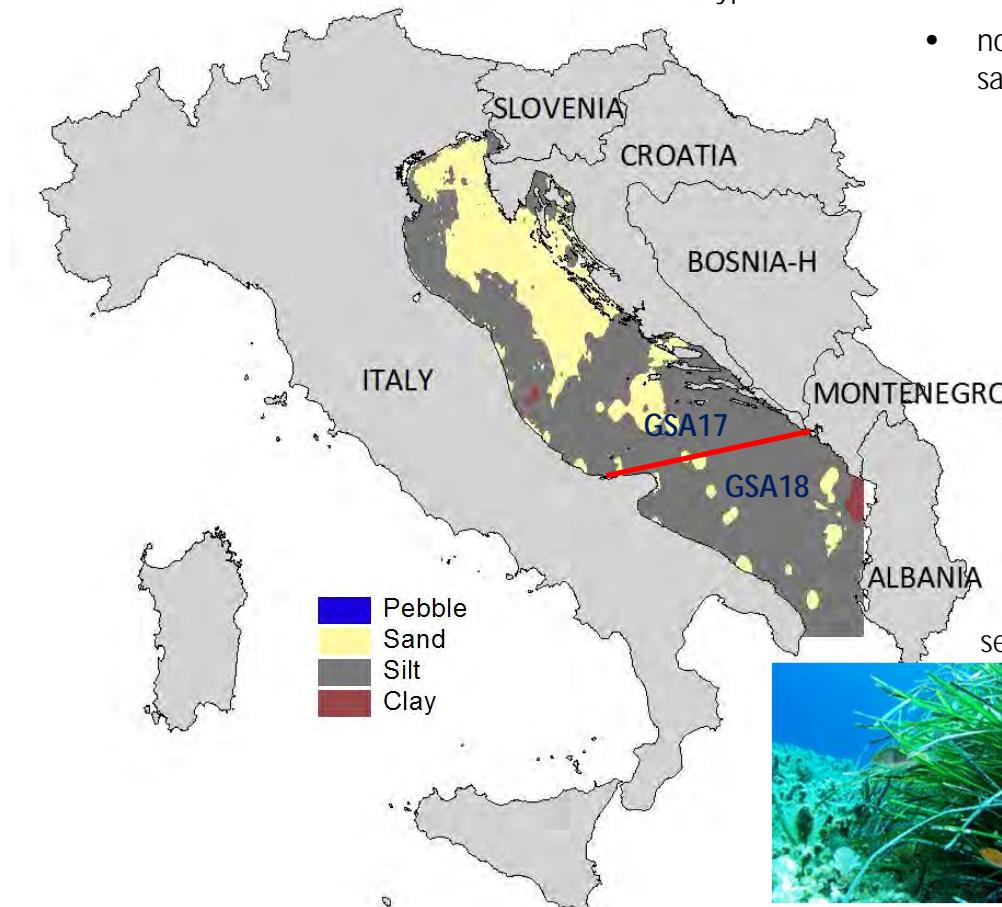
Sistema di osservazione delle risorse alieutiche per la gestione della pesca in Adriatico

Mauro Marini

Consiglio Nazionale delle Ricerche
Istituto di Scienze Marine-UOS di Ancona

The coastal area reflects the peculiar oceanographic and morphological features of the Adriatic Sea.

Two different types of coasts can be evidenced:

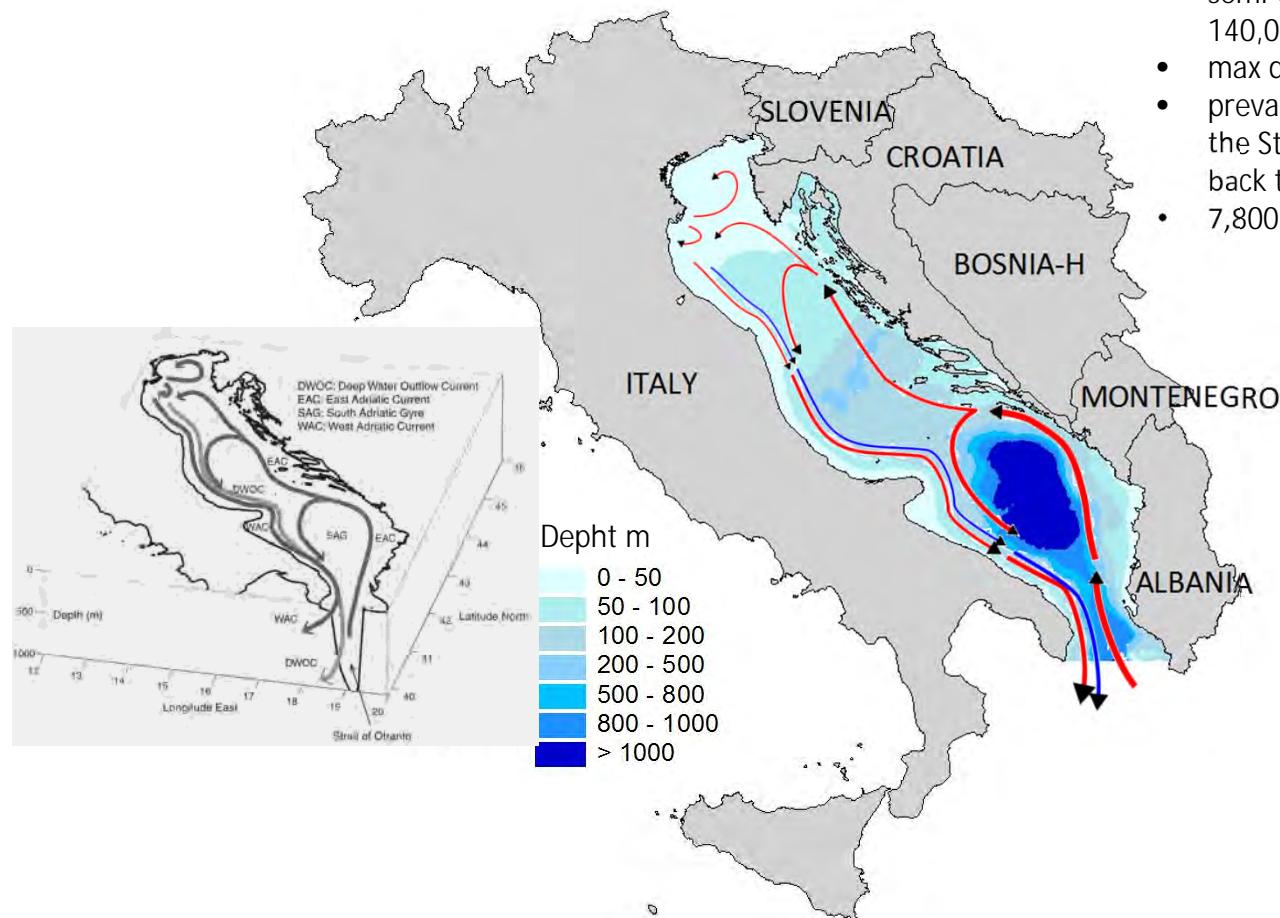


- north and central western coasts mostly sandy and muddy

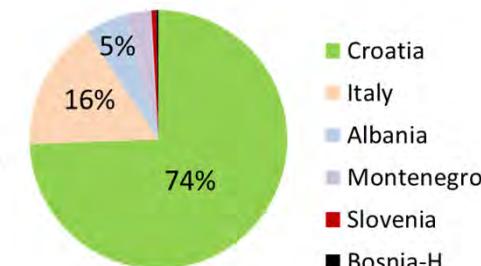


- south-western and eastern coasts mostly rocky

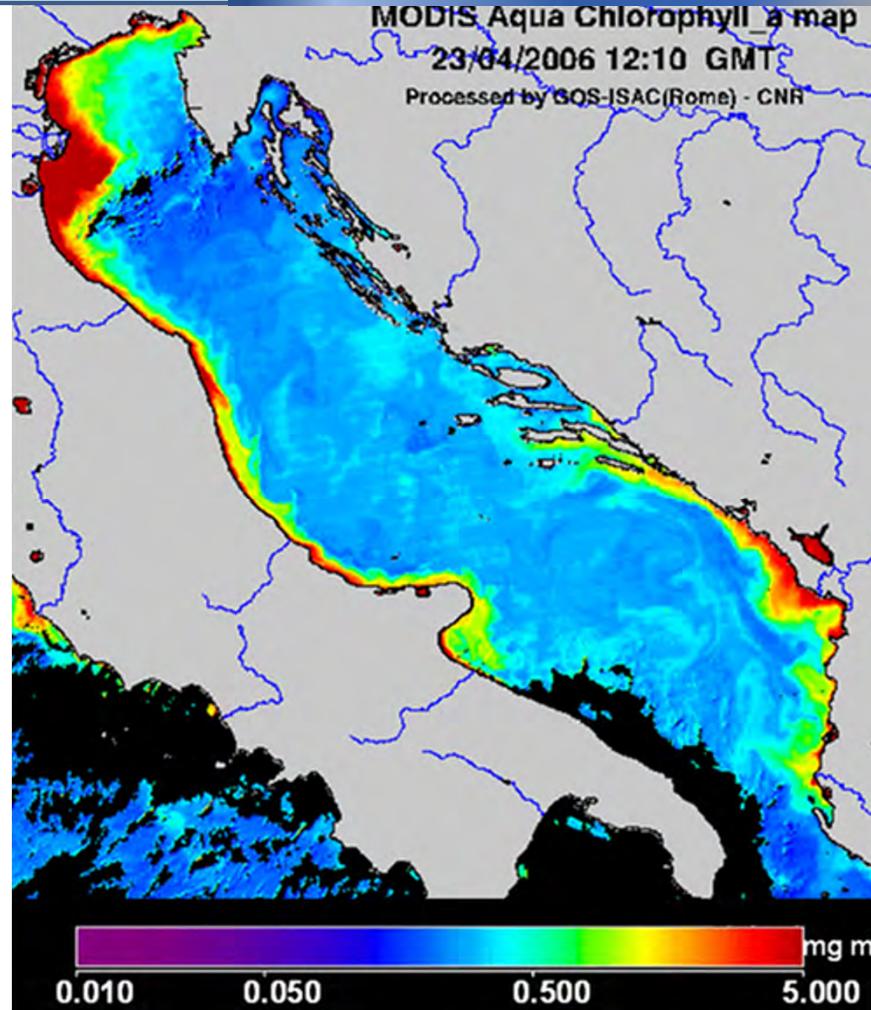




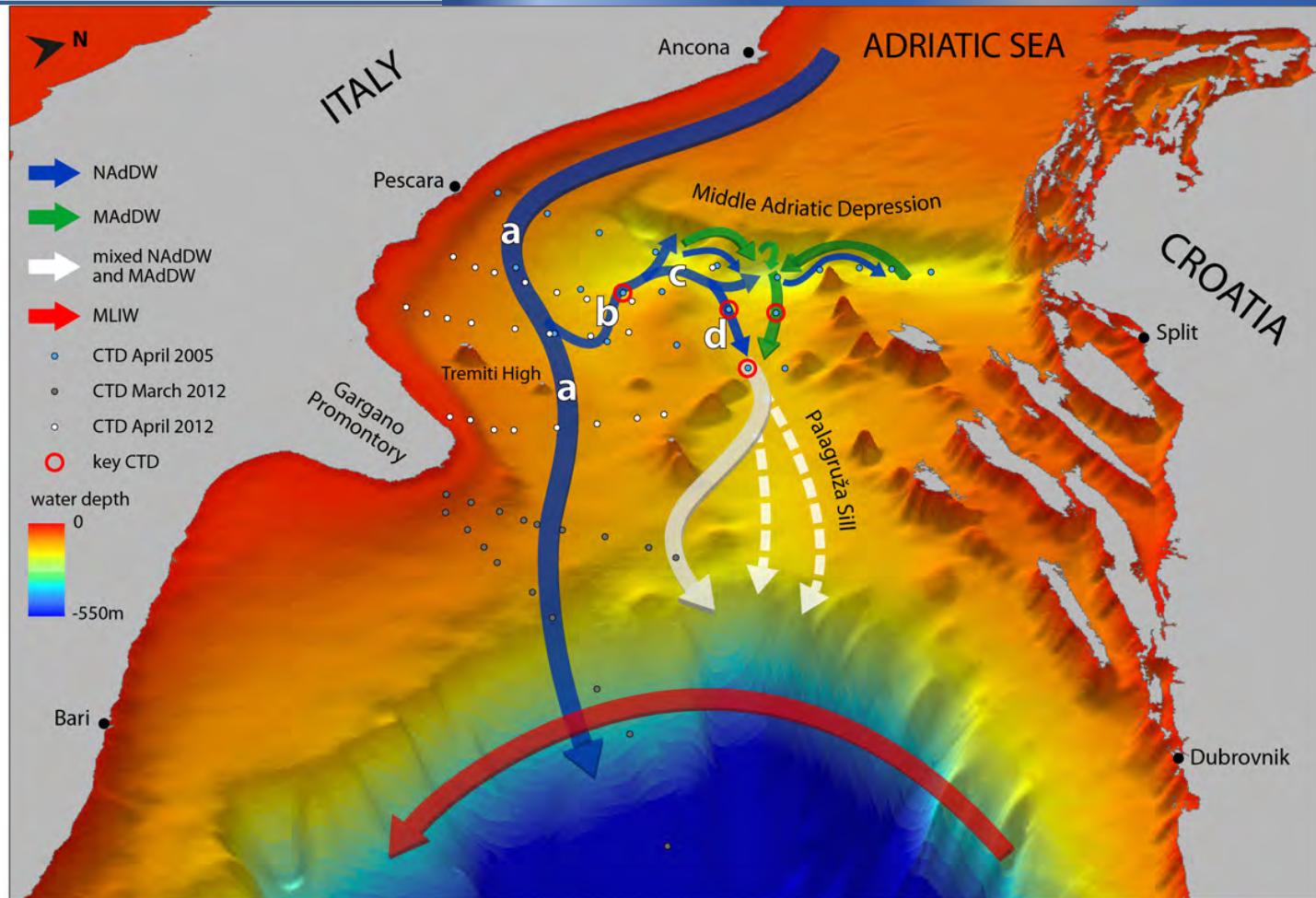
- semi-enclosed basin with a surface of around 140,000 km²
- max depth 1,200 m
- prevailing currents flow counterclockwise from the Strait of Otranto, along the eastern coast and back to the strait along the Italian coast
- 7,800 km of coastline



- contains more than 1,300 islands, most along the Adriatic's eastern coast especially in Croatia (1,246)
- dilution basin, collecting a third of the freshwater flowing into the Mediterranean
- surface temperature ranges from 27°C in summer to 7°C in winter

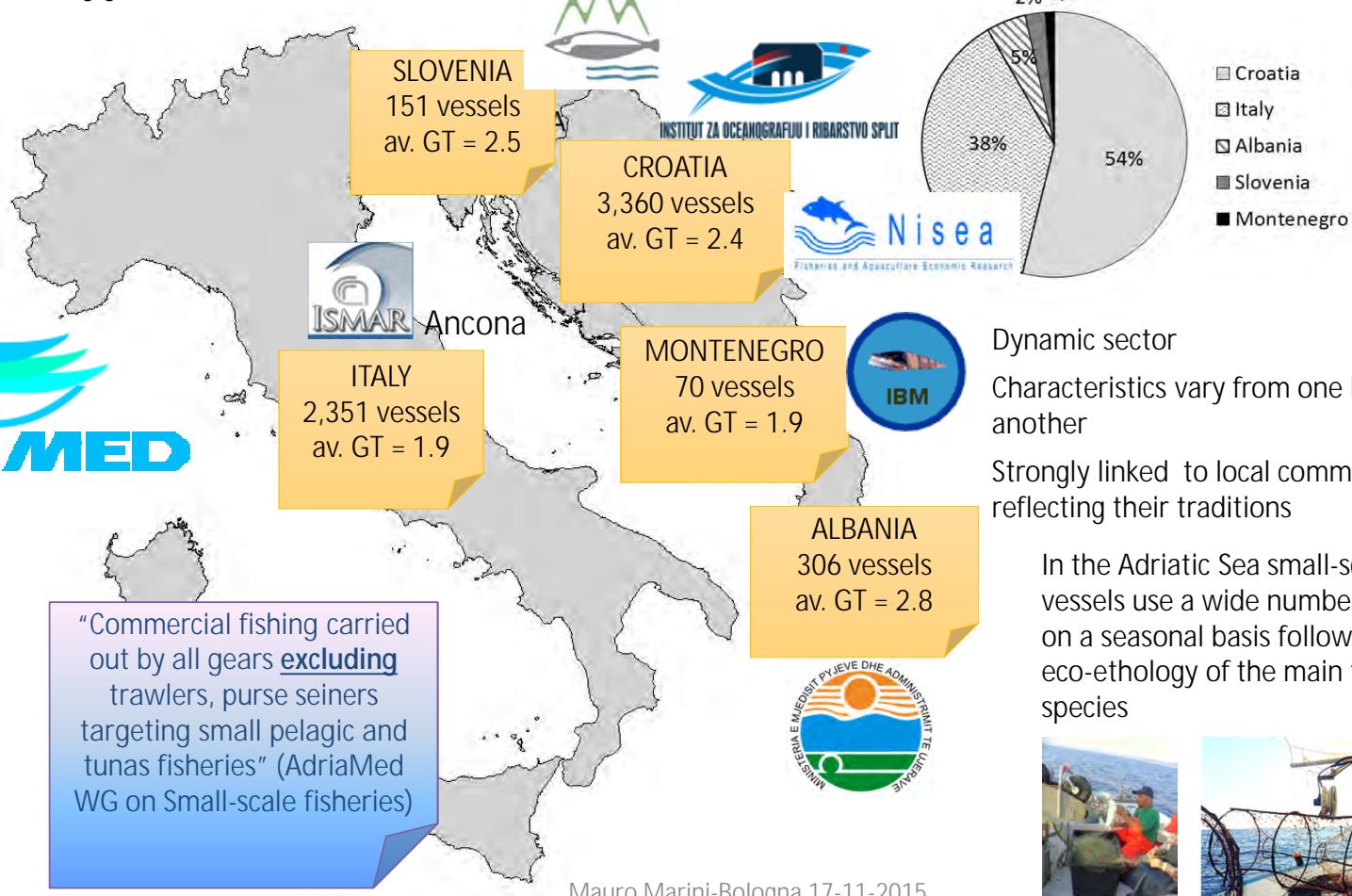


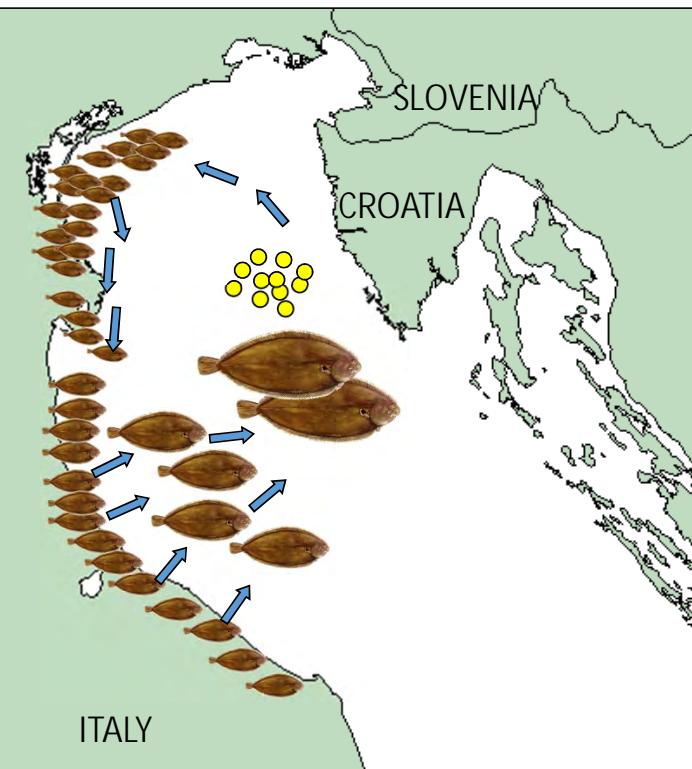
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The characteristics of the coastal areas strongly influence the activities of **small-scale fisheries** (target species and fishing gears)





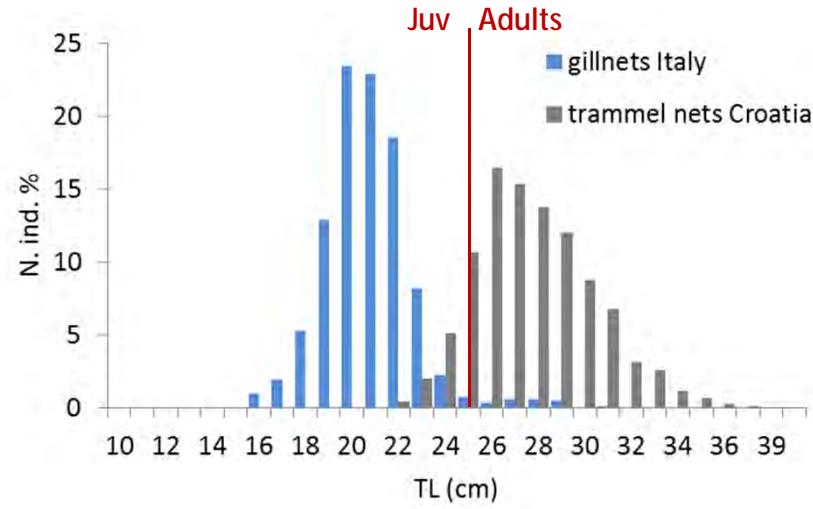
Stocks condivisi: il caso di *Solea solea* (sogliola)

- Adults aggregate close to Croatian waters and juveniles mainly concentrate in the Italian side
- Juveniles targeted by gillnetters in Italy & adults targeted with trammel nets in Croatia (Western coast of Istria)



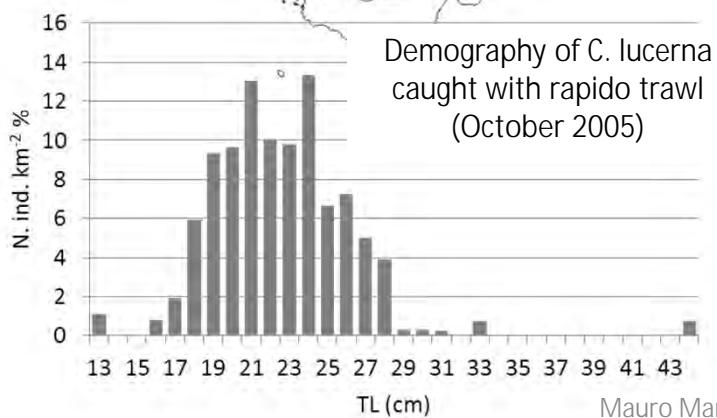
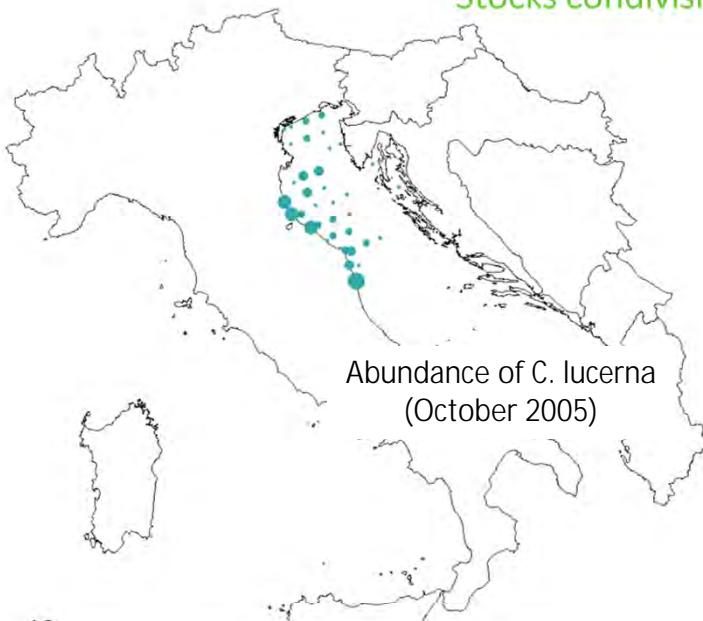
Multi-annual investigation of the spatial distributions of juvenile and adult sole (*Solea solea* L.) in the Adriatic Sea (northern Mediterranean)

Fabio Crati ^{a,b,1}, Giuseppe Scarcella ^a, Piero Polidori ^a, Filippo Domenichetti ^a, Luca Bolognini ^a, Roberto Gramolini ^a, Claudio Vasapollo ^a, Otello Giovannardi ^b, Saša Raicevich ^b, Igor Celić ^b, Nedo Vrgoč ^c, Igor Isajlović ^c, Aljaž Jenič ^d, Bojan Marčeta ^d, Gianna Fabi ^a



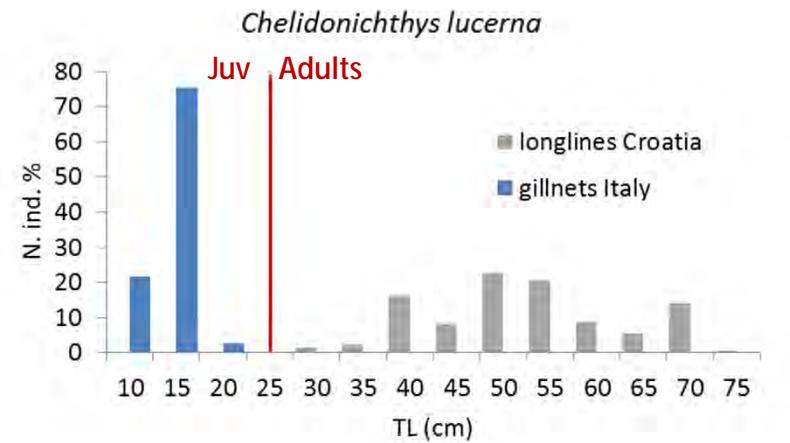
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Sistema di osservazione delle risorse alieutiche per la gestione della pesca in Adriatico

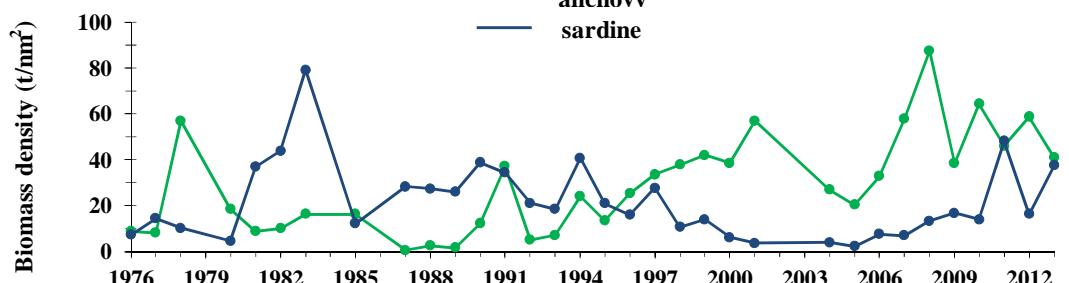
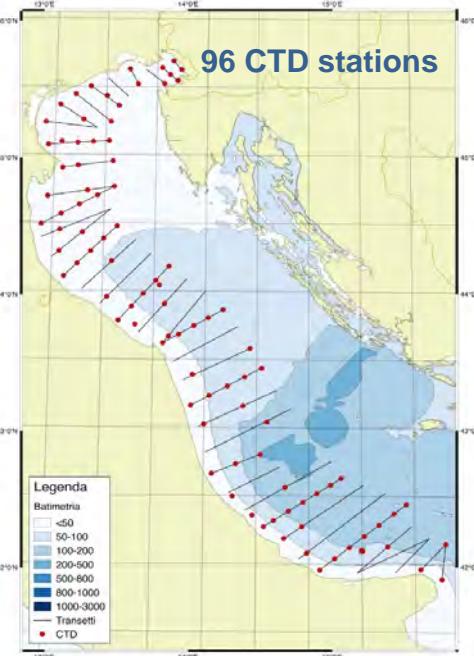
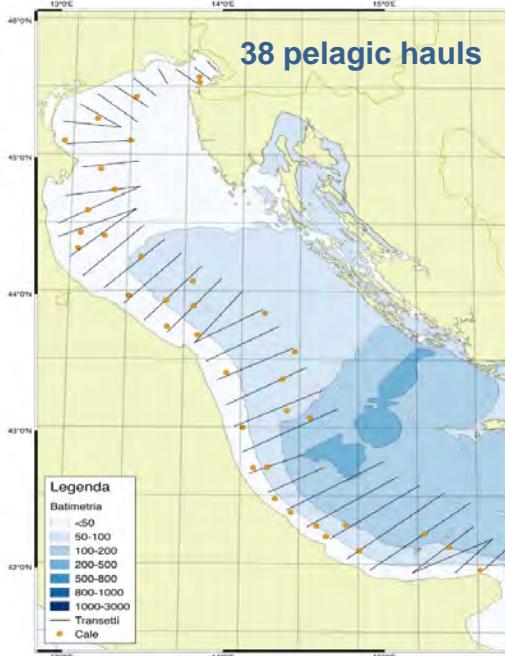
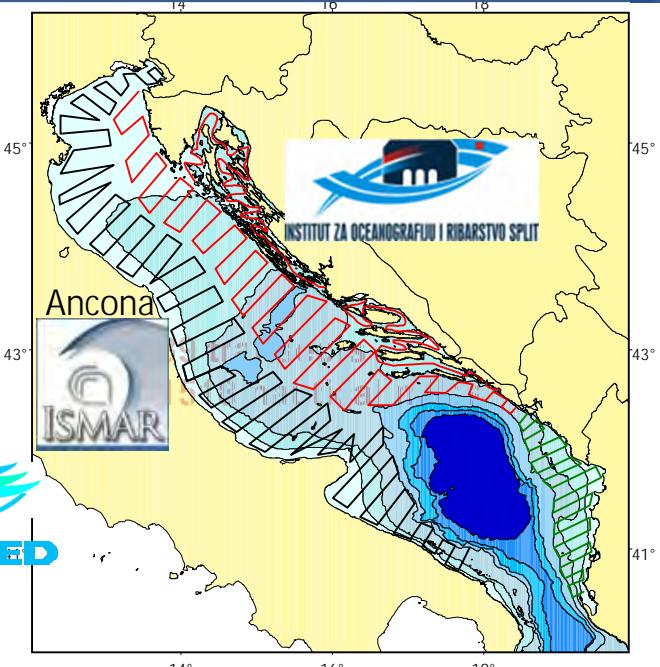


Stocks condivisi: il caso di *C. lucerna* (gallinella, testola,)

- Juveniles mainly concentrate in the Italian side and adults mostly aggregate in the Croatian waters
- Abundant by-catch (retained and discarded) for gillnetters in Italy & target species for bottom longliners in Croatia



Sistema di osservazione delle risorse alieutiche per la gestione della pesca in Adriatico



Year 2013

Anchovy Biomass: 297,824 t

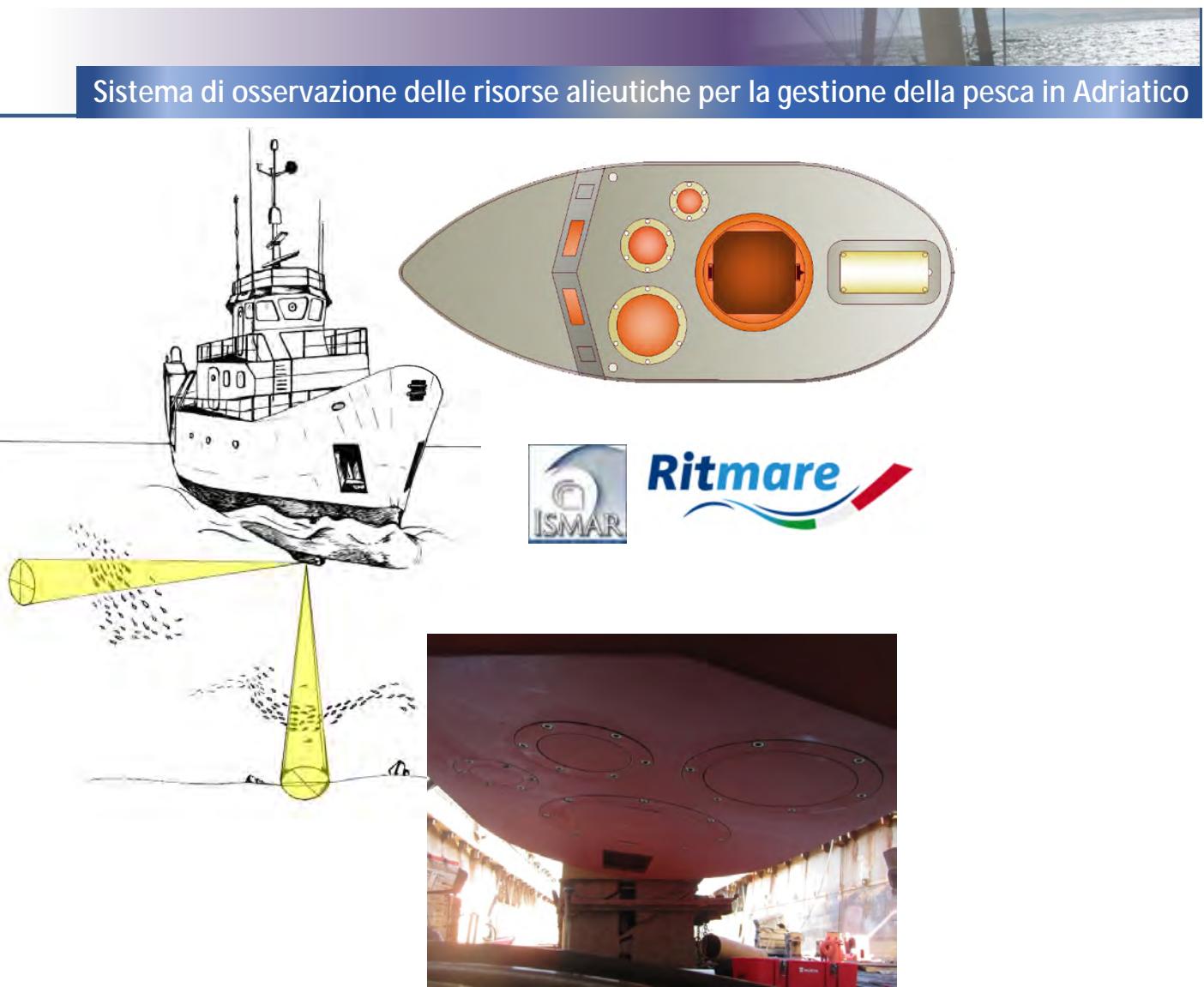
Sardine Biomass: 272,923 t

Sampled Area: 7,286 nm²



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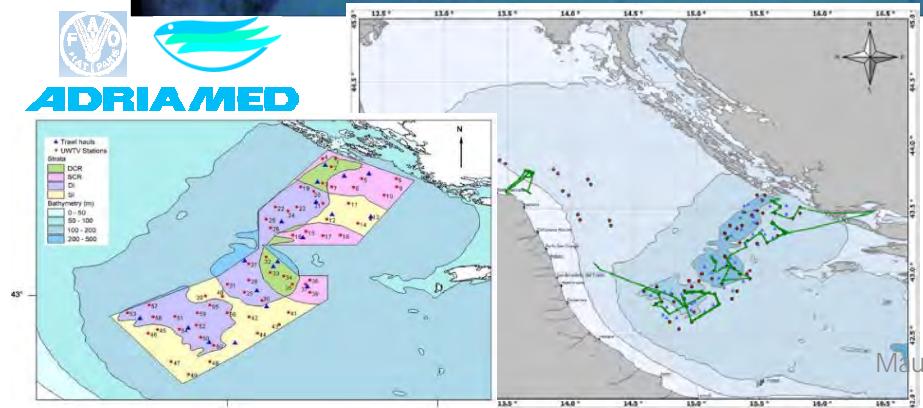
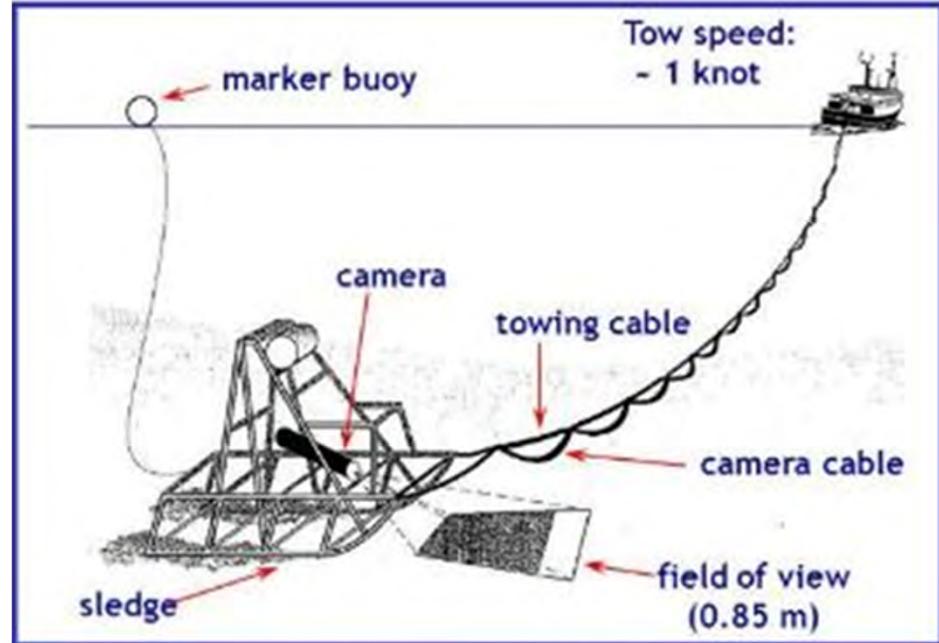
Sistema di osservazione delle risorse alieutiche per la gestione della pesca in Adriatico



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Sistema di osservazione delle risorse alieutiche per la gestione della pesca in Adriatico

Stocks condivisi: il caso di *Nephrops norvegicus* (scampo)



05-27 May 2009
06-28 August 2010
28 April 2012 – 14 May 2012
4 – 22 April 2013
22 April – 14 May 2014
7-24 April 2015
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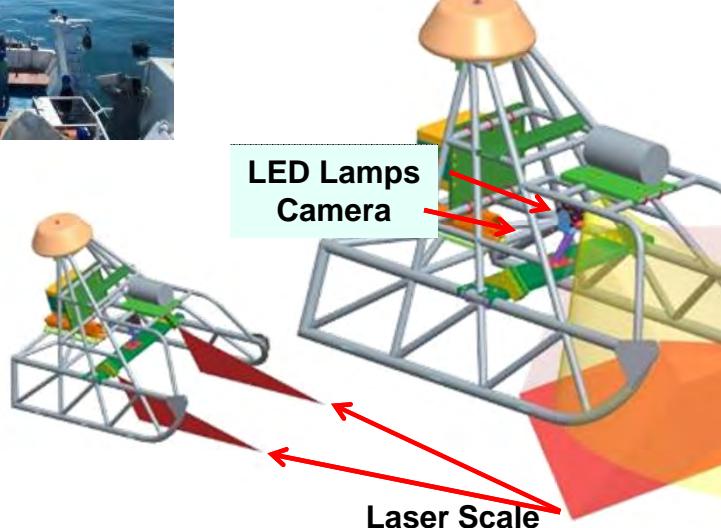


Ritmare

Partially acquired from CNR-
ISMAR on RITMARE funds



Electric winch with wireless control

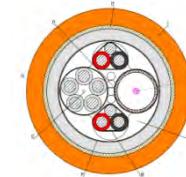


SLEDGE

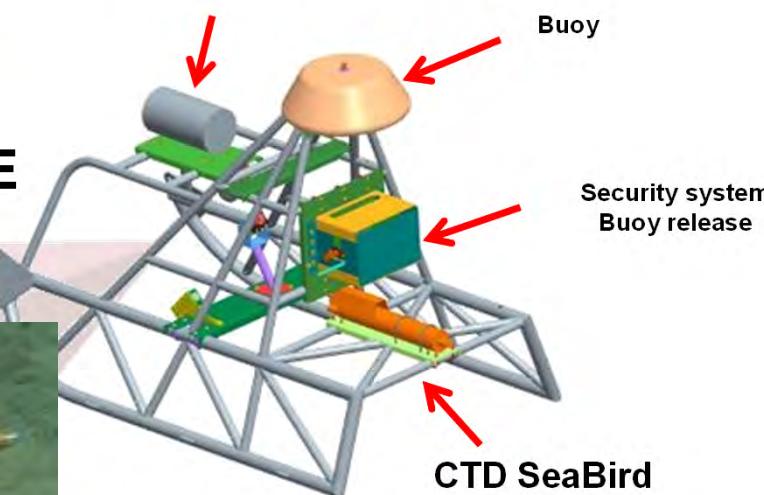


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ELECTRO MECHANICAL TOWING CABLE 800m

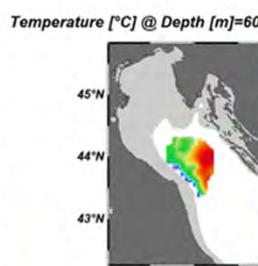
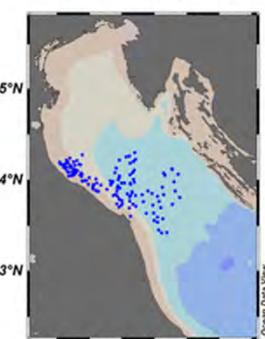
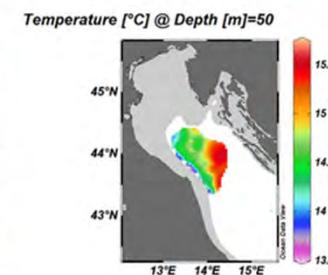
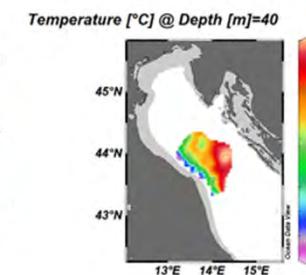
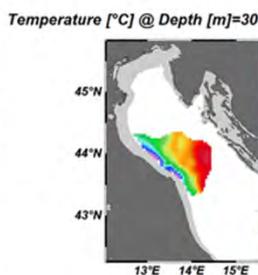
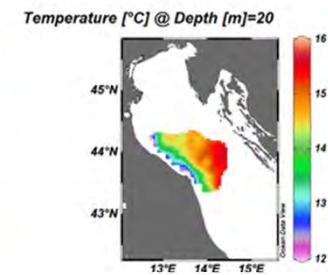
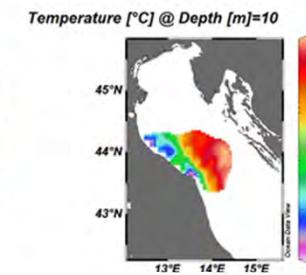
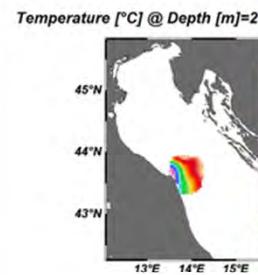
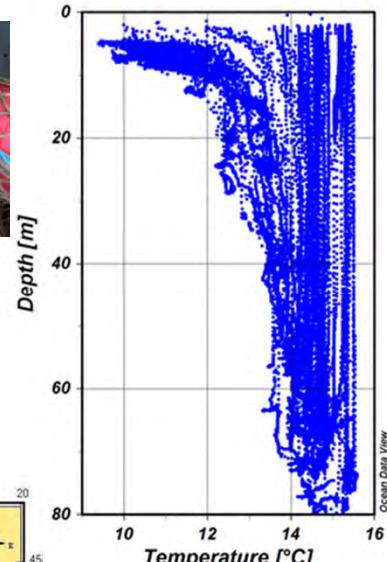
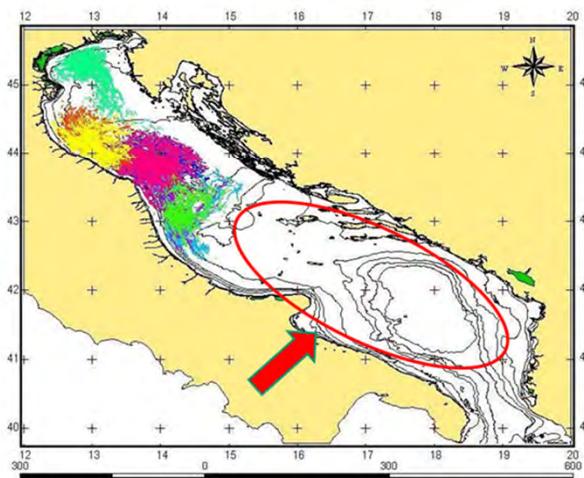


Bottom unit (JB)



Adriatic Sea Fishery and Oceanography Observing System (FOOS)

FOOS January 2014 - Ismar CNR Ancona



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 CNR-ISMAR

 Accademia Marchigiana di
Scienze, Lettere ed Arti

 Università Politecnica
delle Marche

Nel quadro della Macro
Regione Adriatico-Ionica

IL MARE ADRIATICO

ambiente, pesca
e cultura

Ancona
2 e 3 Ottobre 2015
ore 9.00
Loggia Dei
Mercanti

La cittadinanza è
invitata
Ingresso libero

Per info
accademia.marchigiana@gmail.com

 ARCHE
EXPO 2015
Presidio diffuso
Macro Regione Adriatico-
Ionica e Blue Economy

 Adriatic-Ionian Initiative

 Rotary Club
Distretto 2030 - Italia

 Ministero
dei Beni e delle
Attività Culturali
e del Turismo

Soprintendenza
Archeologia delle Marche



Mauro Merello Bologna, 17/11/2015

Grazie per l'attenzione



Mauro Marini-Bologna 17-11-2015