



# Marine Meteorology and Oceanography Infrastructure and Services operated by the Italian Meteorological Service

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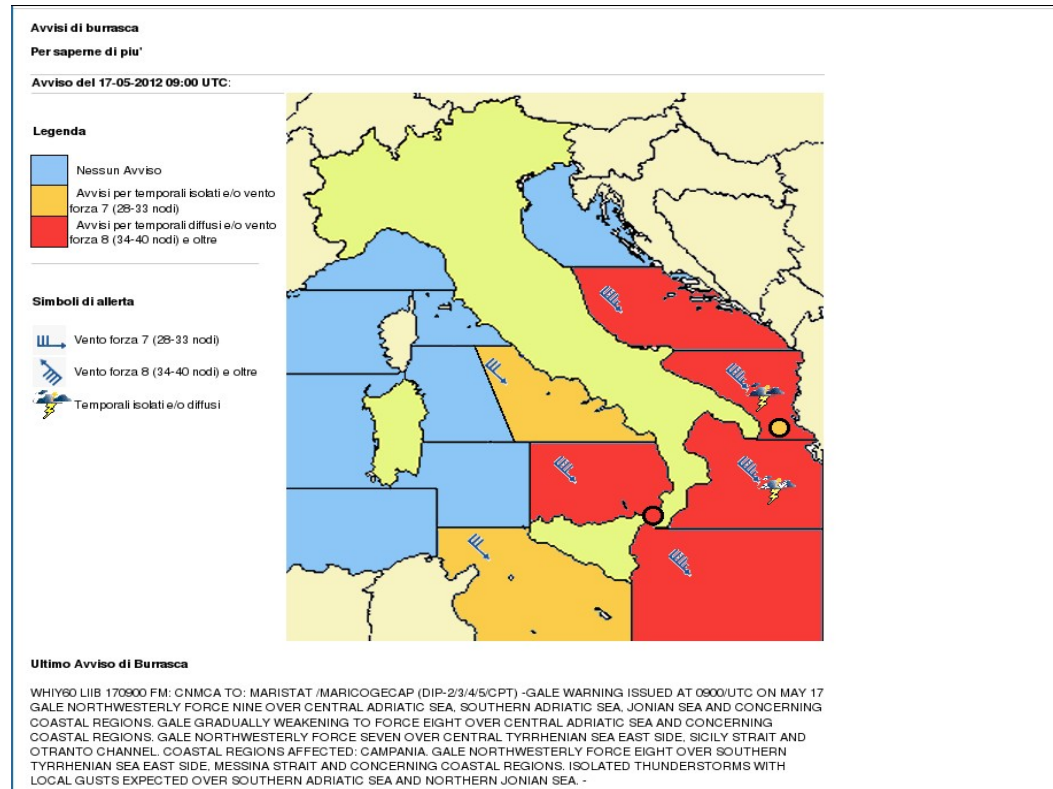
# Current Operations (1)

- Marine and weather watch/nowcasting/forecasting over Mediterranean sea (operated by Forecasting Division)

The screenshot displays the website of the Servizio Meteorologico (Weather Service) of the Italian Ministry of Defense. The page features a navigation menu with options like 'Tempo-In-Atto', 'Previsioni', 'Avvisi', 'Clima', and 'Mare'. The main content area is titled 'Meteomar' and provides a forecast for the period of 17-05-2012 06:00 UTC. It includes a 'Situazione' section with a bulleted list of weather conditions and a map of the Mediterranean region showing sea state forecasts. The map is color-coded and includes icons representing different sea states: Mare calmo, Mare quasi calmo, Mare poco mosso, Mare mosso, Mare molto mosso, Mare agitato, Mare molto agitato, Mare grosso, Mare molto grosso, and Mare tempestoso. The website also features a sidebar with a login form and various navigation links.

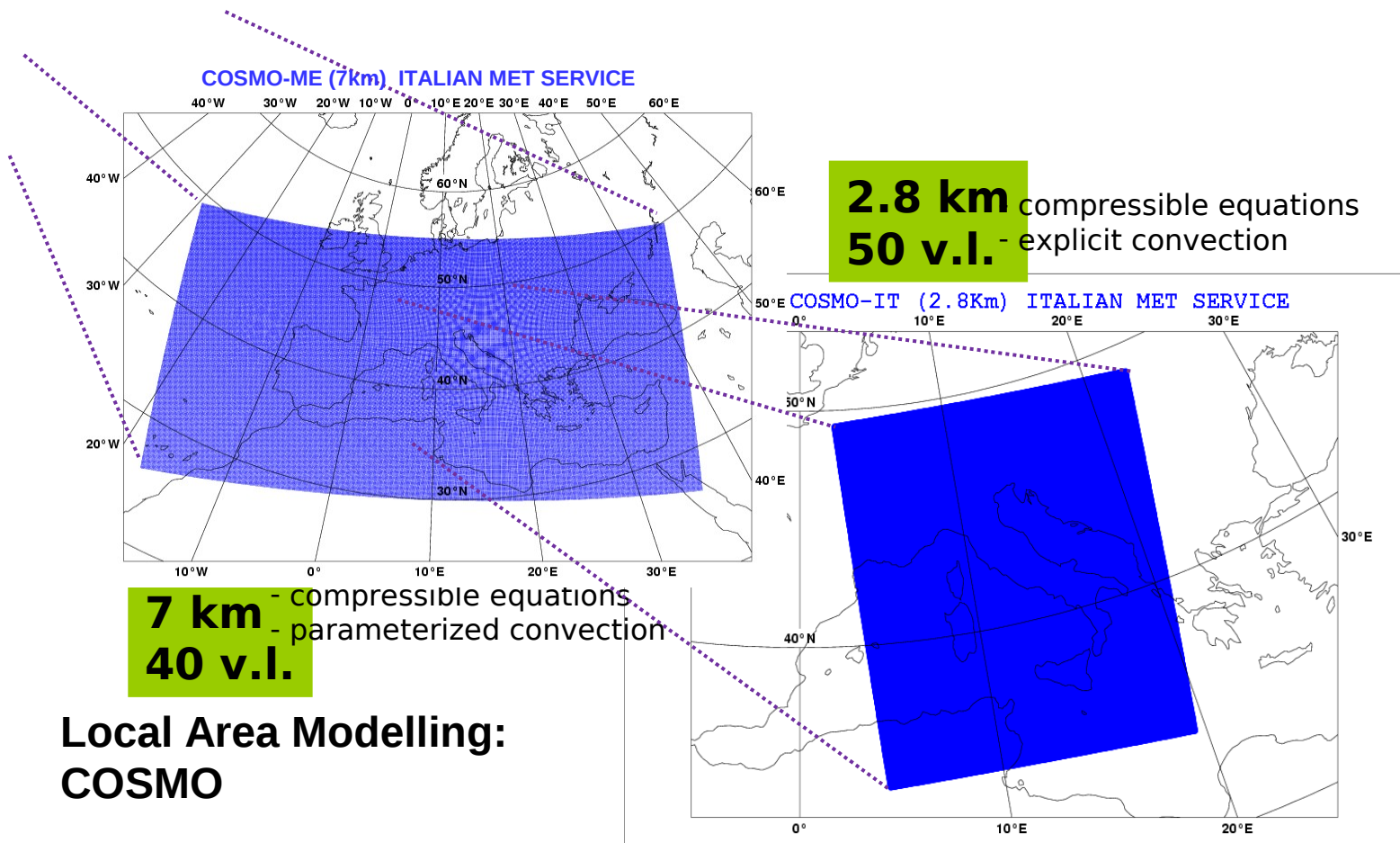


- Marine and weather watch over Italian seas and coasts: emission of gale warnings (by Forecasting Division)



# Current Operations (3)

- NWP over Euro-Atlantic domain and Mediterranean Sea



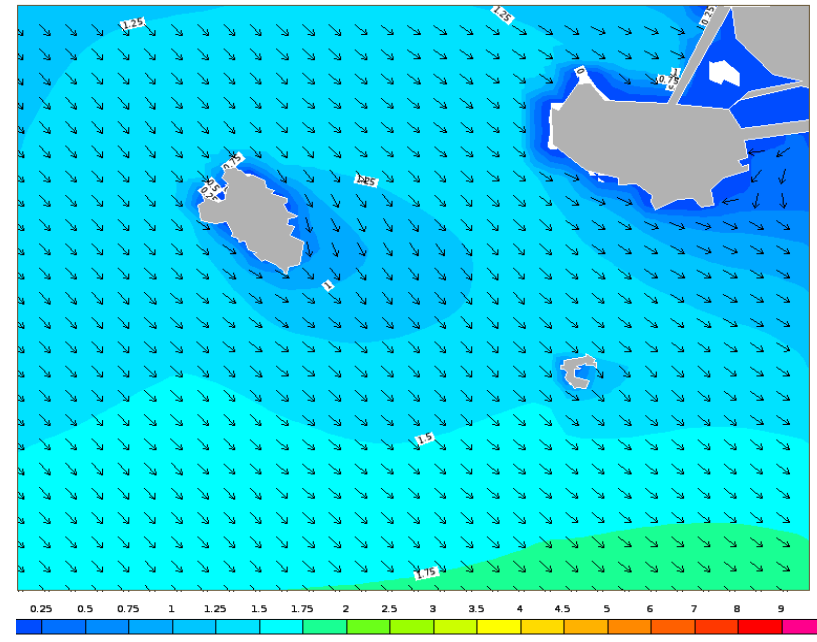
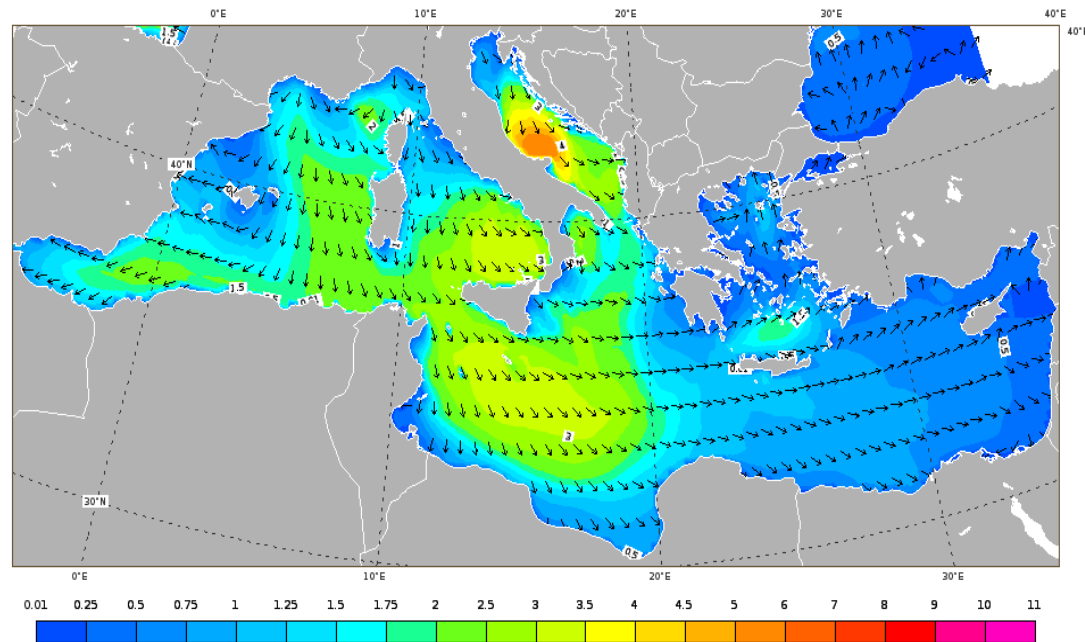
**Local Area Modelling:  
COSMO**

- Numerical Prediction Systems (regional atmospheric, wave models, SWAN) over Mediterranean Sea

17 Maggio 2012 00UTC Forecast T+3 VT: Giovedì 17 Maggio 2012 03UTC  
Altezza onda significativa (metri) + direzione media



Modello Nettuno - risoluzione ad 1/60 di grado  
COSMO-IT 16 Maggio 2012 12UTC Forecast T+6 VT: Mercoledì 16 Maggio 2012 18UTC  
Altezza onda significativa (metri) + direzione media



# Current Operations (5)



- Distribution of Italian Buoy data (RON by ISPRA et al.) and ship-based atmospheric / oceanographic observations (CNR-Urania) in standard WMO BUFR format over GTS in near real-time
- Collection of atmospheric and marine data from coastal stations in near real-time (ISPRA)
- Collection of Oceanographic data and products made available by cooperating Institutes (INGV, see following presentation)
- Support to the Civil Protection Department (e.g. joint activity on tsunami watch system for Mediterranean sea, making use of GTS infrastructure provided by Italian Met. Service)





# Italian Met. Service and WIS

- Italian Met. Service on-going activities are dedicated to the implementation of the services and functionalities according to the role (endorsed by CBS-2011) of:
  1. NC as NMS
  2. DCPC-RTH
  3. DCPC specialized for marine meteorology and oceanography over Mediterranean
- Time-schedules:
  - 2012 (1 and 2)
  - 2014 (3)
- DWD-GISC as primary GISC

