

MEDITERRANEAN SEA STORM SURGE BULLETIN

11 Jan 2016 00:00

Issued 03 Oct 2016 07:57 AM UTC and valid for the next 72 h



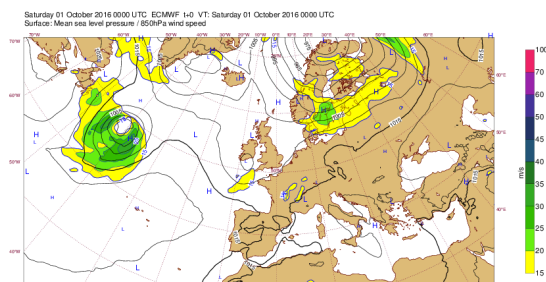
Estimated storm surge for the next 72 h

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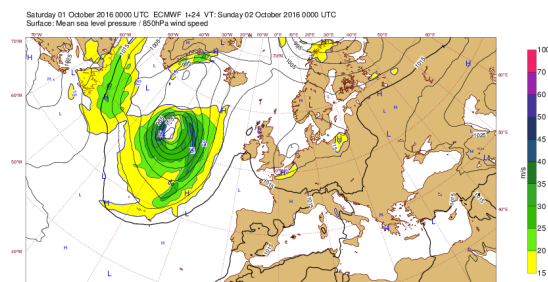
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METEOROLOGIC ANALYSIS (ECMWF)

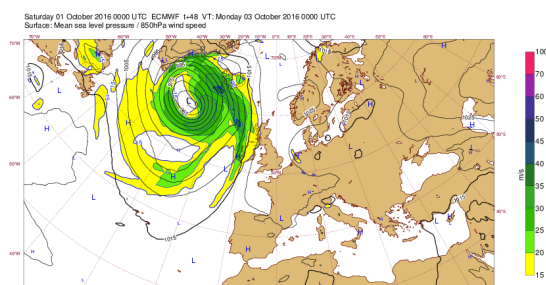
The wind speed indicated is the 850hPa isobaric surface, which is around 1.5km above sea level



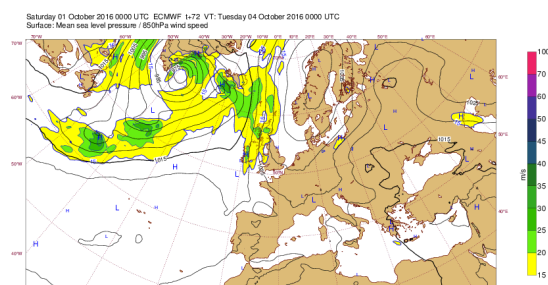
Analysis time 0



Forecast 24 h



Forecast 48 h



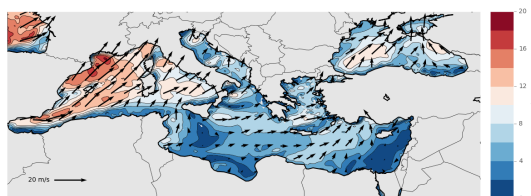
Forecast 72 h

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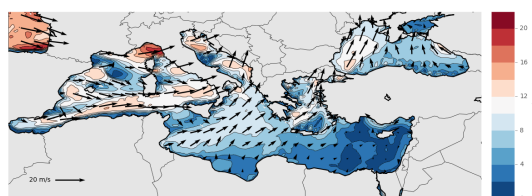
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WIND IMPOSED

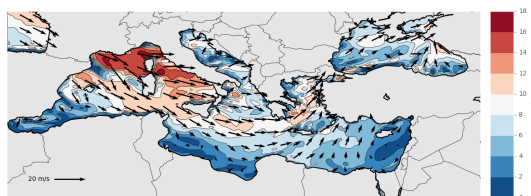
The wind speed here is 10 m height wind and is the quantity imposed to the sea surface



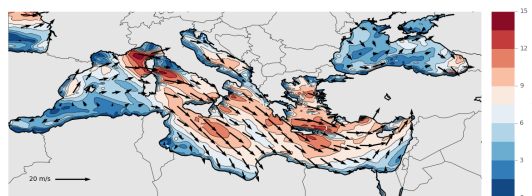
Wind Speed at sea level at time 0 h



Wind Speed at sea level at time 24 h



Wind Speed at sea level at time 48 h

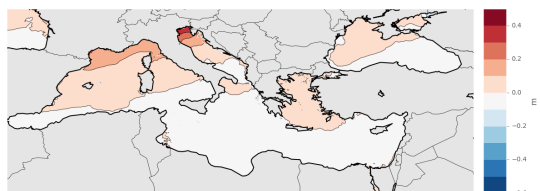


Wind Speed at sea level at time 72 h

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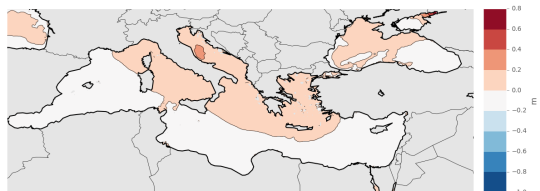
SEA LEVEL EVOLUTION



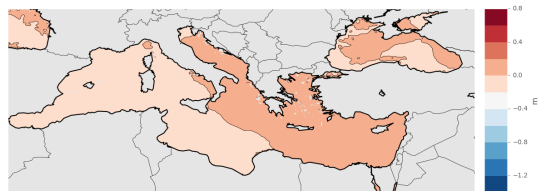
Sea Level Height at time 0 h



Sea Level Height at time 24 h



Sea Level Height at time 48 h

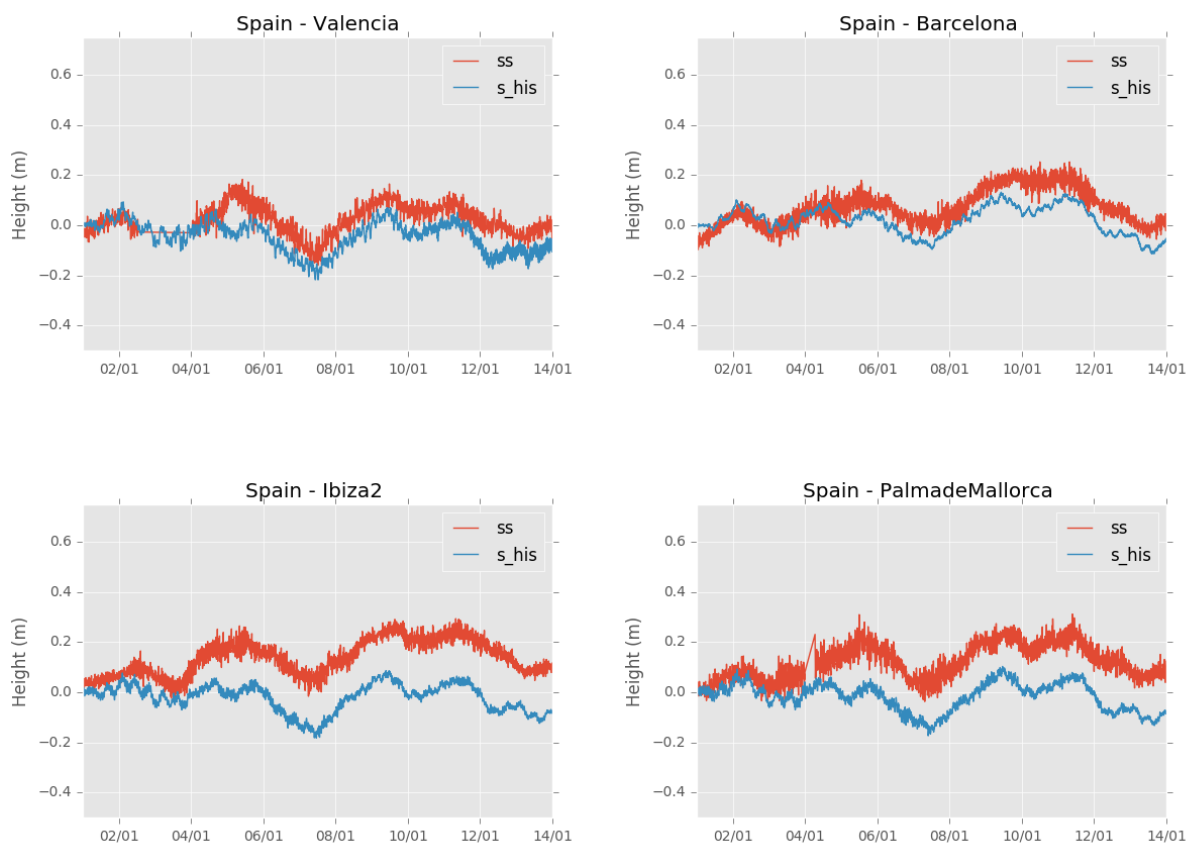


Sea Level Height at time 72 h

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SEA LEVEL STORM SURGE MEASUREMENTS AND MODELLING ESTIMATES

WEST MEDITERRANEAN SEA : SPAIN AND FRANCE



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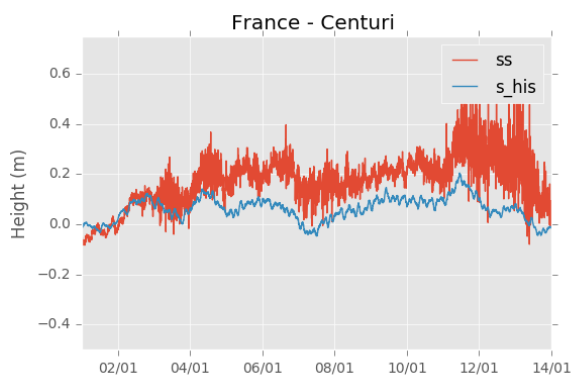
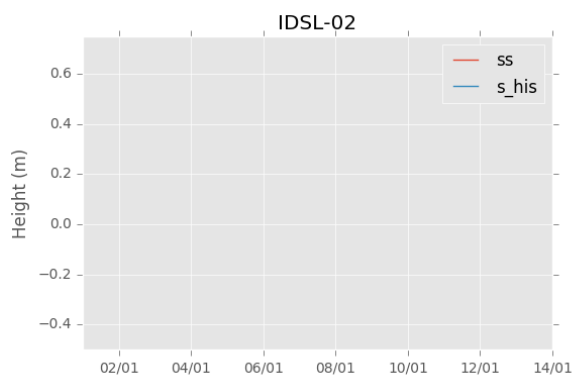
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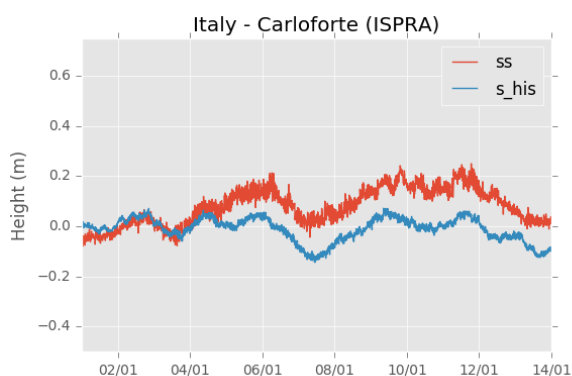
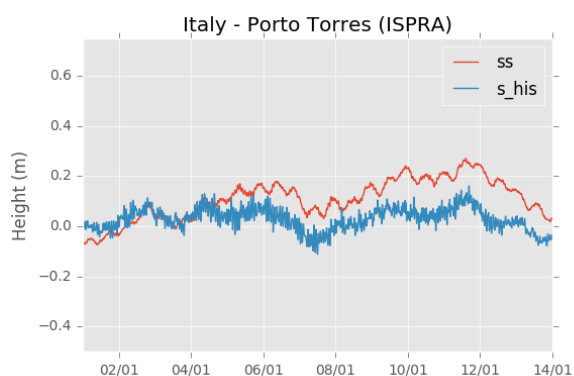
SOUTH - WEST MEDITERRANEAN SEA : SPAIN , MOROCCO

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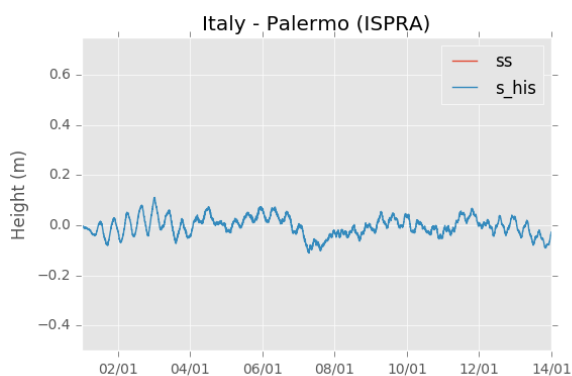
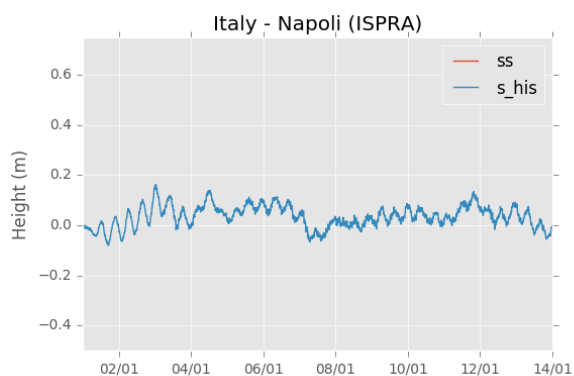
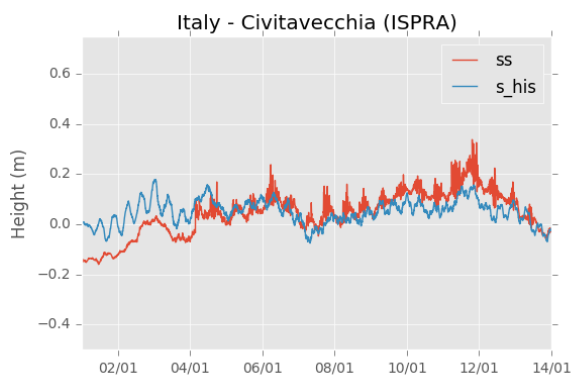
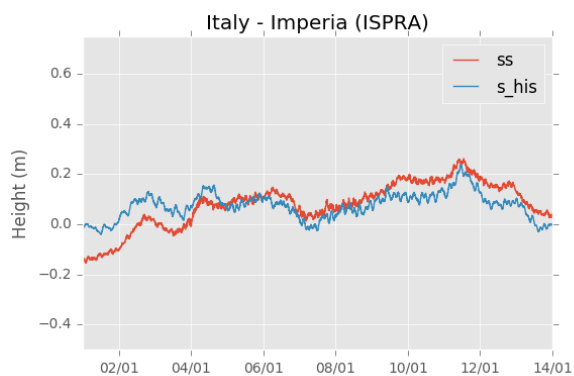


CENTRAL MEDITERRANEAN SEA : ITALY AND FRANCE (CORSICA
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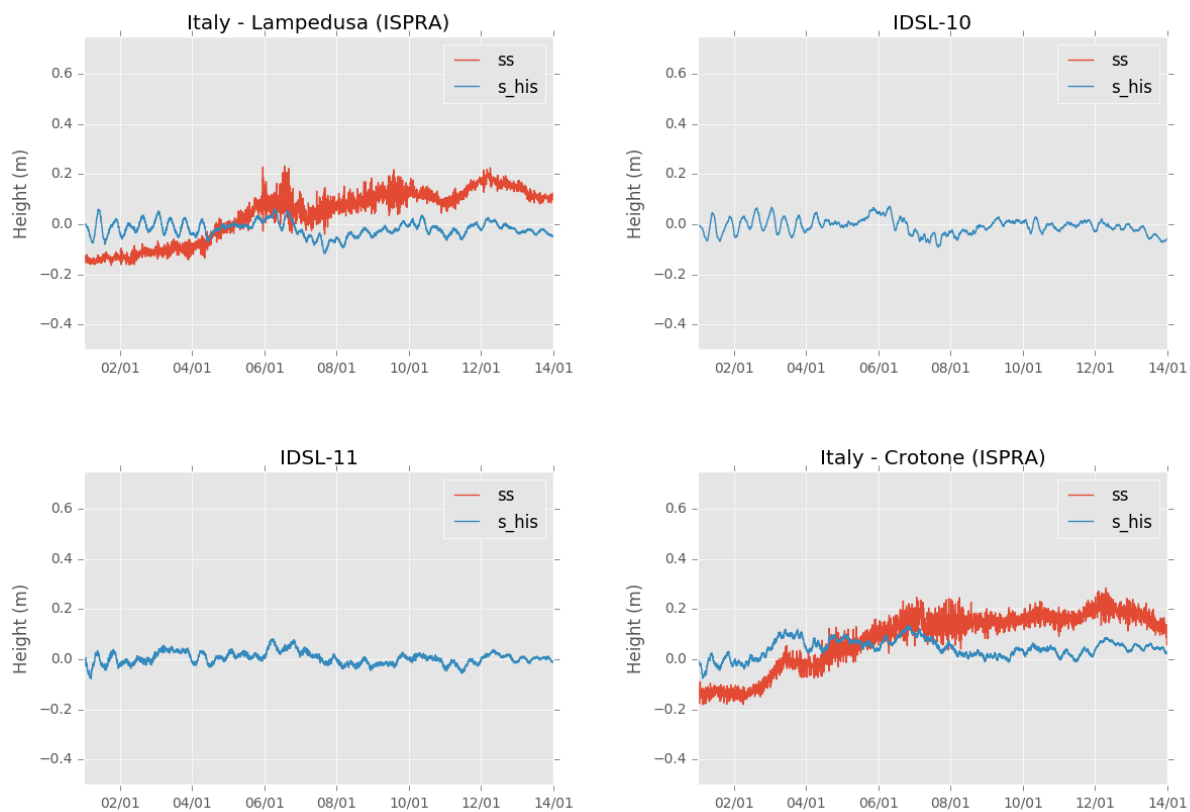
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EAST MEDITERRANEAN SEA : GREECE , CYPRUS AND TURKEY

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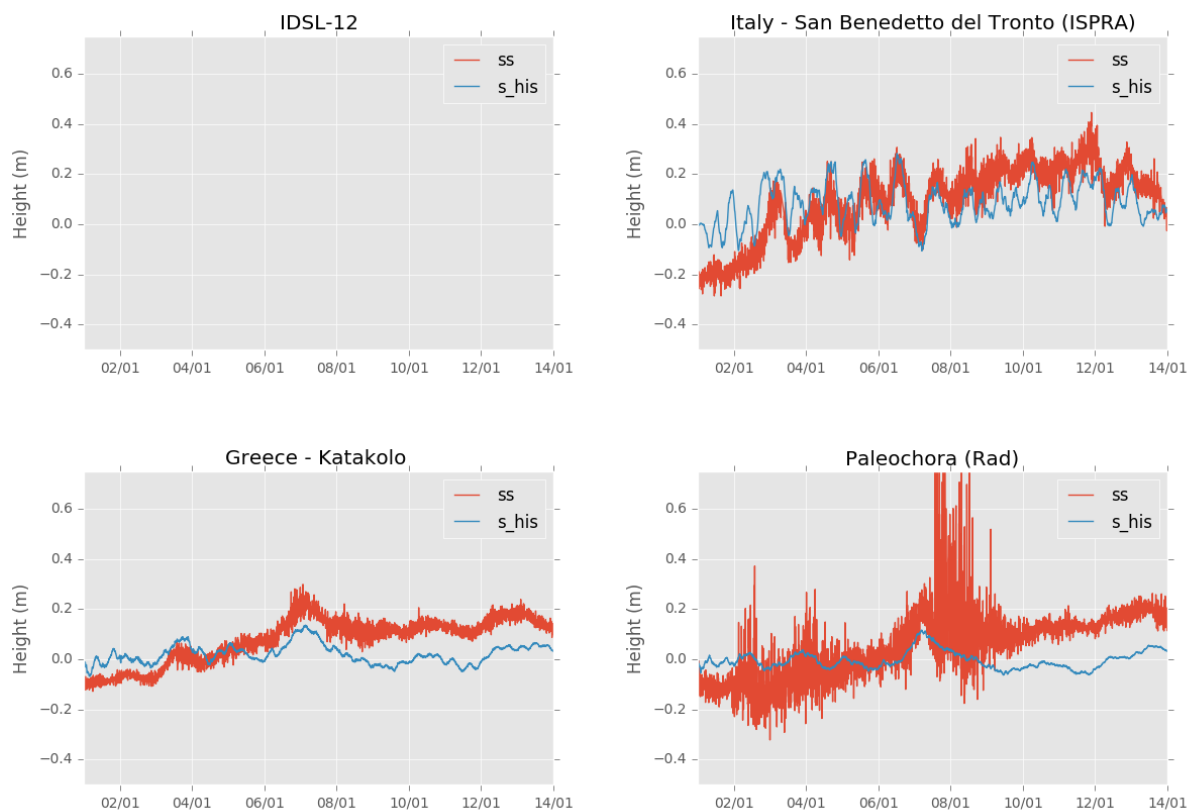
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MIDDLE EAST : LEBANON , ISRAEL AND EGYPT

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BLACK SEA

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REFERENCES

Measured data from National Centres, Estimation from Joint Research Centre (JRC) based on Meteorological Forecasts from European Centre for Medium Weather Forecast (ECMWF) and using the DELTARES-DELFT3D Flow code.

European Centre for Medium Weather Forecast (ECMWF) data: <http://www.ecmwf.int/>

DELTARES: <https://www.deltares.nl/en/>

DELFT3D: <https://oss.deltares.nl/web/delft3d>

EUMETSAT: http://oiswww.eumetsat.org/IPPS/html/latestImages/EUMETSAT_MSG_IR108ECentralEurope.jpg

Webcam in Ginostra, Stromboli Island, by Istituto Superiore per la Protezione e la Ricerca Ambientale: <http://www.mareografico.it/DATA/Ginostra.jpg>

Webcam in Genova Nervi, the small harbour, by Comune di Genova: <http://www.webcam.comune.genova.it/images.ou>

Webcam in Venezia, Piazza San Marco, by Istituzione Centro Previsione e Segnalazione Maree: <http://93.62.201.235/maree/WEBCAM/smarcoweb2.jpg>

Webcam in Palma de Mallorca, <http://www.helios-hotels.com/mallorca/en/webcam-can-pastilla-beach.htm>

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