

EFS Weather services

EUROSUR Fusion Services

27-10-2016

Author: Personal data

Background

- Support operational planning and informed decision making
- Support Search and Rescue activities
- Support migration analysis

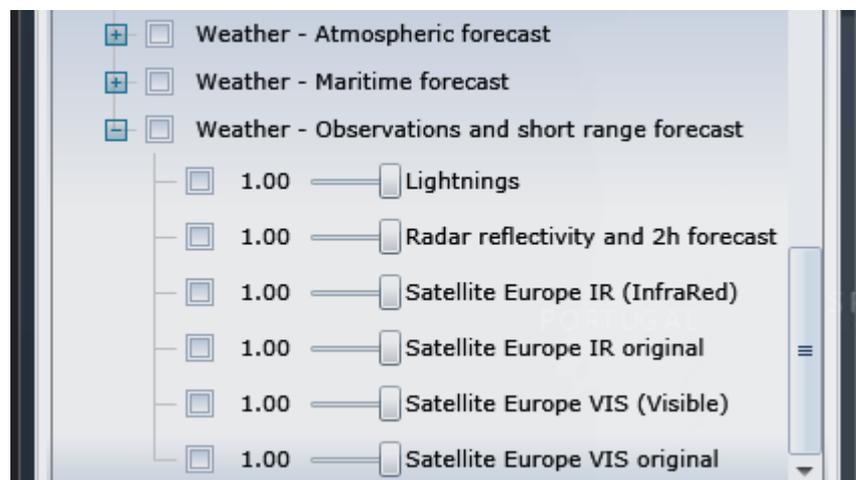
EFS Weather services

- EFS: Weather data layers
- EFS: Meteograms
- EFS: Weather alerts and warnings
- EFS: Historical weather reports

EFS Weather data layers

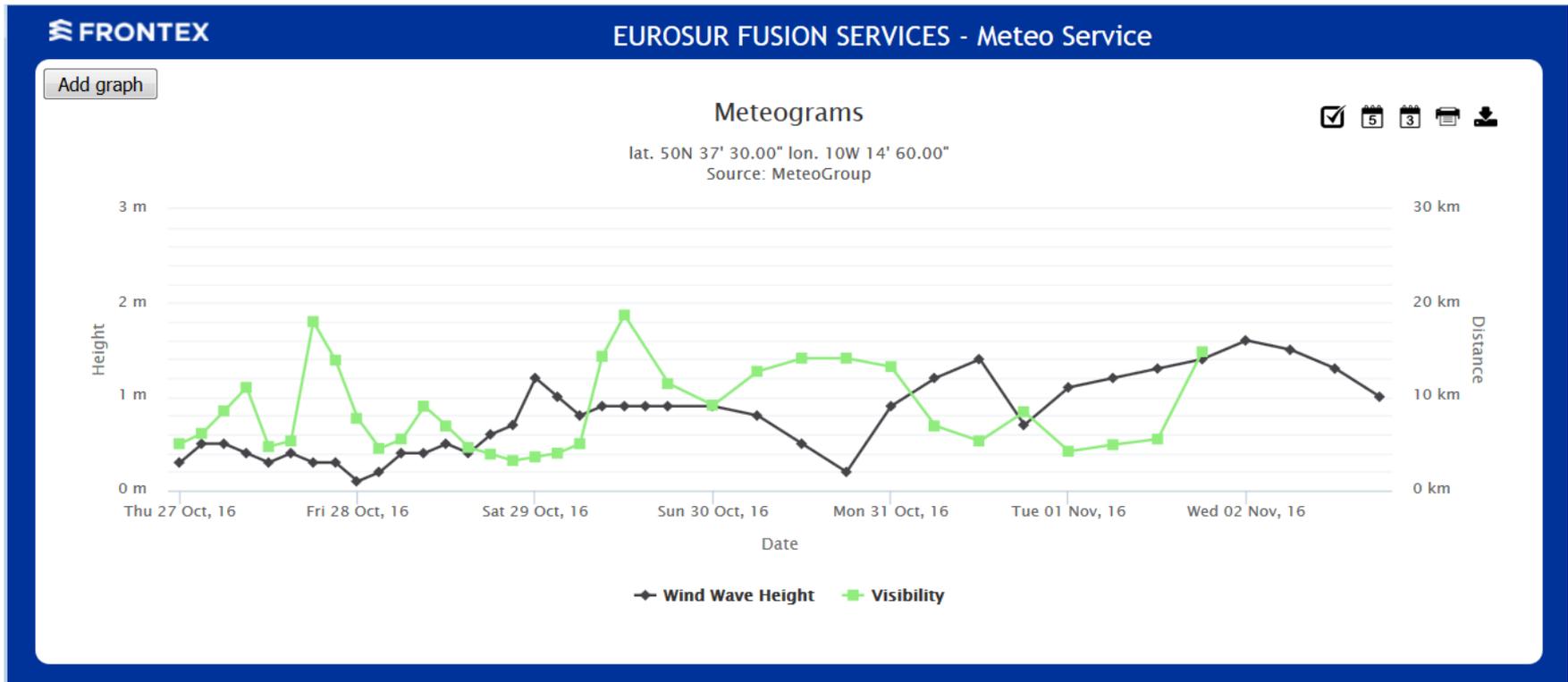
- Forecast data up to 7 days
- Past data (up to -7 days)

- Types of weather parameters:
 - Weather forecast in locations
 - Maritime forecast
 - Atmospheric forecast
 - Observations and short range forecast



EFS Meteograms

- 7-day forecast graph for any particular location
- Several weather parameters available



EFS Weather alerts and warnings

- Configurable weather alerts and warning for the next 7 days
- Optional parameters
- Optional warning threshold

Weather Alerts&Warnings Panel

	Warning	Details
>	<input type="checkbox"/> Precipitacion 6h > 20mm	<i>Date from:</i> 2016-03-30T00:00:00Z <i>Date to:</i> 2017-03-30T00:00:00Z
	<input type="checkbox"/> Precipitacion 24h > 40mm	<i>Date from:</i> 2016-03-30T00:00:00Z <i>Date to:</i> 2017-03-30T00:00:00Z
	<input type="checkbox"/> Wind speed > 34kts	<i>Date from:</i> 2016-03-30T00:00:00Z <i>Date to:</i> 2017-03-30T00:00:00Z
	<input type="checkbox"/> Wave Height > 4m	<i>Date from:</i> 2016-03-30T00:00:00Z <i>Date to:</i> 2017-03-30T00:00:00Z
	<input checked="" type="checkbox"/> Wave Height > 2m	<i>Date from:</i> 2016-03-30T00:00:00Z <i>Date to:</i> 2017-03-30T00:00:00Z

Selected period: 29-10-2016 12:00 / 29-10-2016 23:59

27/10/2016 00:00 02-11-2016 23:59



EFS Historical weather reports

- On-demand reports
- For any particular location
- Historical weather conditions

Table 2 Monthly percentage of good weather window

Percentage of calm event (%)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2000	6.0	5.7	8.6	6.1	14.0	4.9	21.0	19.9	4.0	0.0	3.9	0.0
2001	6.6	11.2	0.5	0.7	28.2	11.4	19.5	18.1	5.8	0.0	8.9	10.1
2002	2.8	3.4	0.0	9.0	9.4	8.9	23.5	10.5	8.2	5.8	2.2	1.3
2003	1.3	1.0	20.3	3.8	15.5	10.8	9.4	13.0	12.4	5.0	5.7	3.2
2004	2.2	15.8	16.1	18.8	11.3	9.0	28.0	17.6	10.8	0.0	9.7	4.8
2005	0.5	3.0	0.9	1.0	10.9	17.1	19.6	9.1	1.4	5.5	10.7	0.8
2006	10.6	14.6	0.0	12.1	10.9	27.1	19.0	23.7	0.1	0.0	2.9	18.3
2007	0.5	4.6	0.0	12.8	12.6	0.1	9.1	15.2	11.8	6.6	4.3	2.0
2008	2.2	12.4	5.5	0.4	2.7	6.5	12.4	3.4	9.3	3.2	1.0	7.8
2009	1.9	3.4	10.5	8.9	14.2	27.8	4.2	4.4	16.8	1.3	0.4	7.5
2010	0.0	0.0	7.1	15.3	24.5	22.4	13.6	15.3	8.8	0.8	3.5	0.5
2011	17.7	0.7	11.0	24.7	5.8	6.0	2.7	11.3	3.8	1.1	0.1	2.2
2012	1.6	0.0	26.6	0.7	4.8	0.3	7.3	12.0	10.6	3.2	1.7	1.3
2013	2.3	5.1	0.5	6.3	2.4	20.4	33.9	15.7	11.8	1.7	7.2	0.7
2014	0.5	0.3	2.0	3.1	1.3	6.8	27.2	3.5	20.8	1.6	3.8	4.3
2015	6.0	7.0	8.7	28.6	15.9	17.4	6.7	7.0	6.1	12.8	4.6	0.9

Thanks for your attention