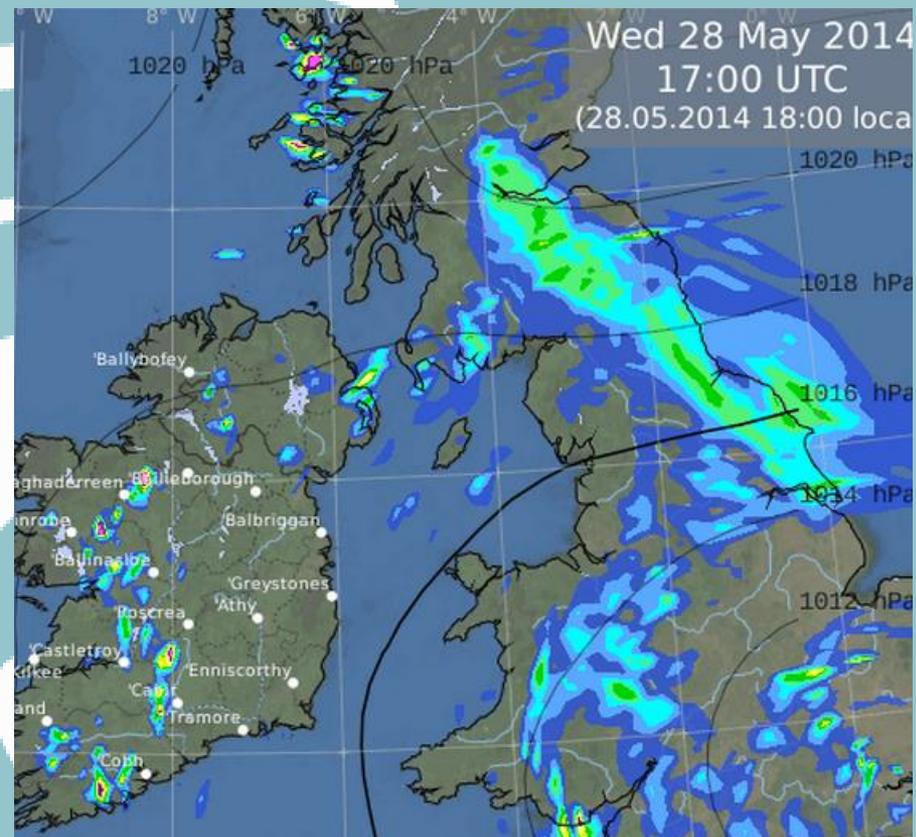


METweb

A customer portal

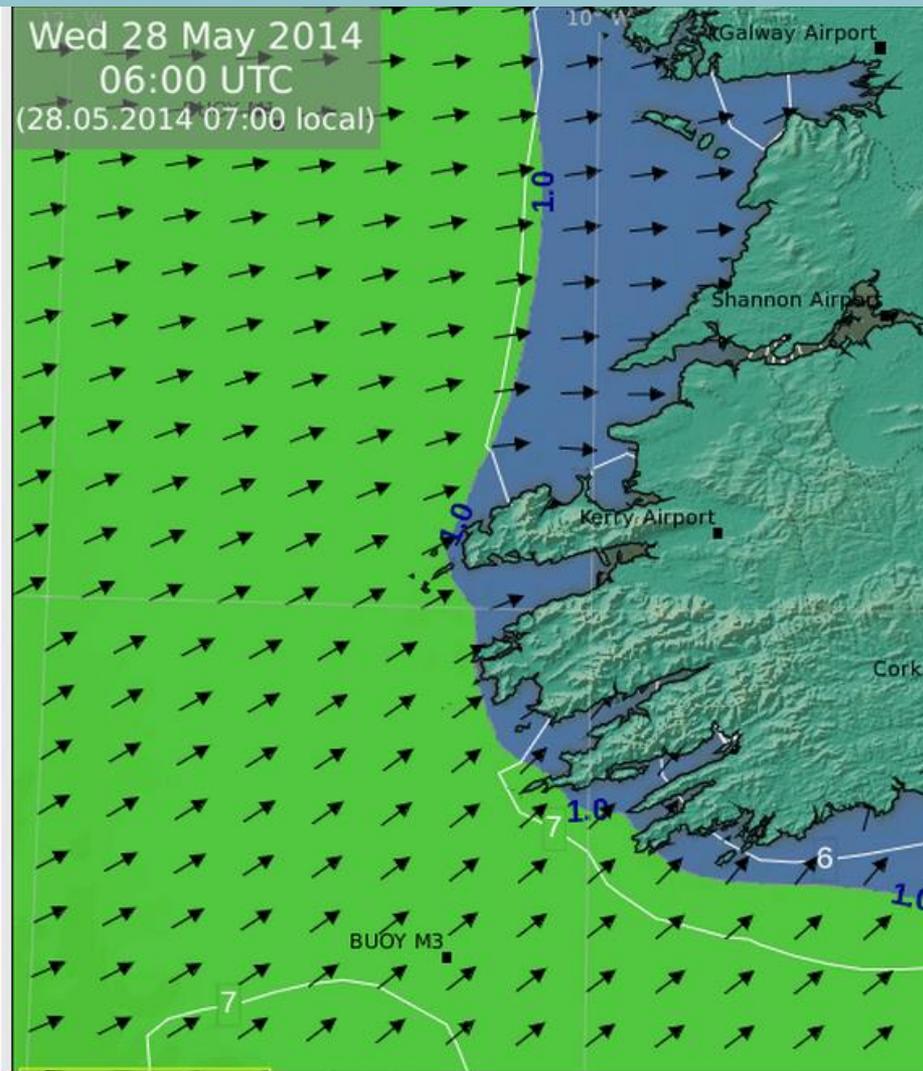
The need

- Met Éireann has been increasingly involved in providing services for State Agencies, particularly the Emergency Services
- There was a need to provide high quality information
- New project - METweb



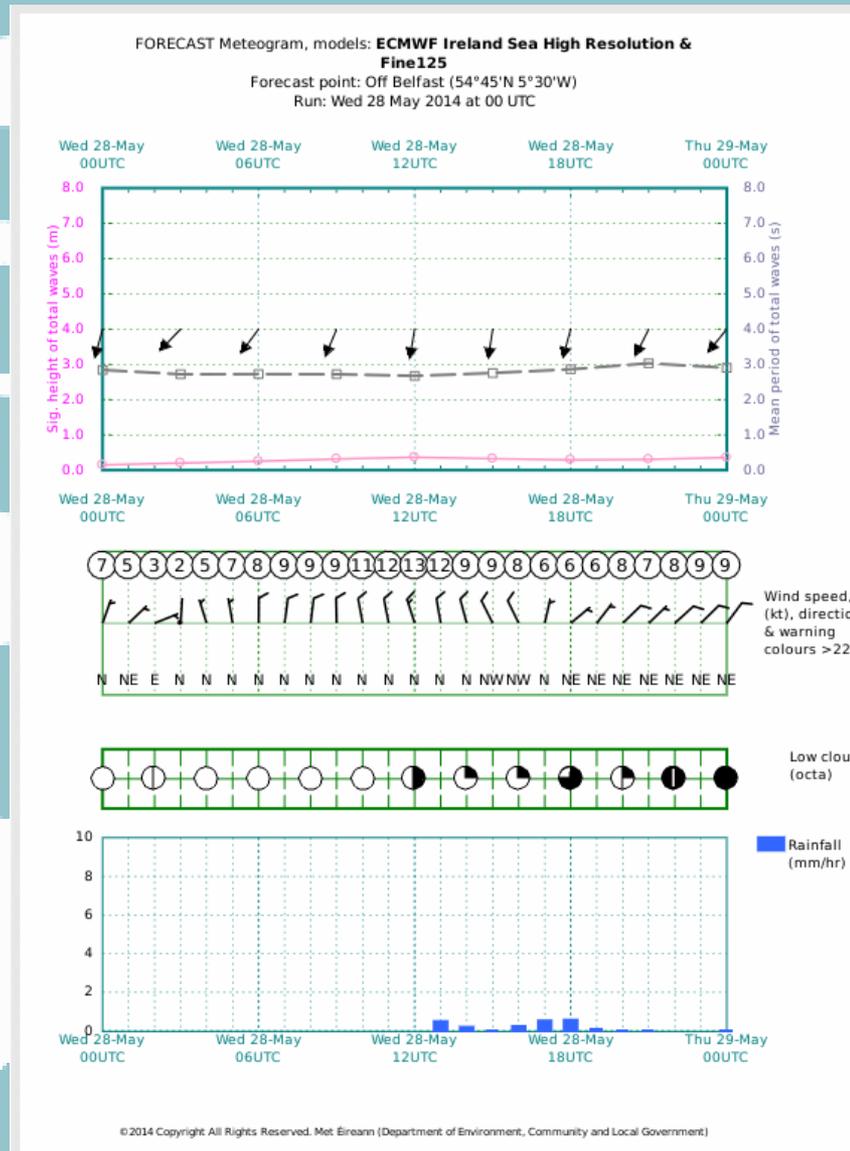
The Plan

- Late 2012 – project group assembled
- Develop prototype by April 13
- Functioning site to Lead client by Summer 13
- Official launch to at least 2 clients by Dec 13
- Five additional clients by end 2014



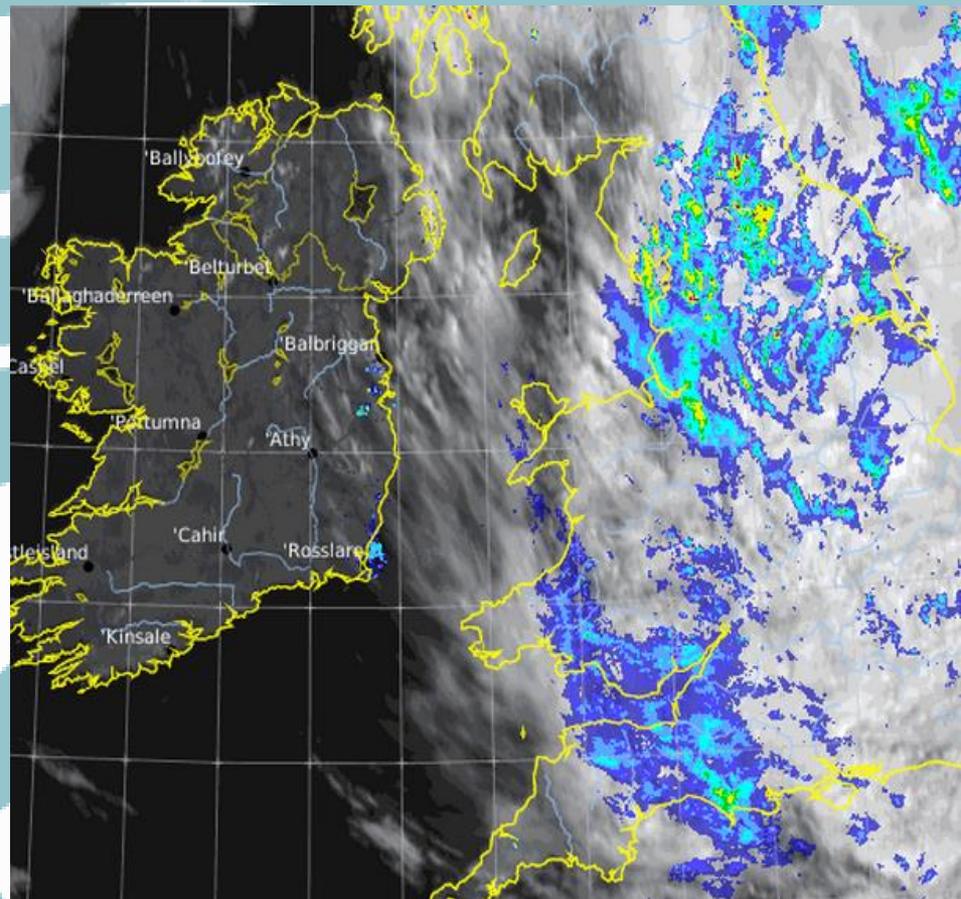
Stage 2 – Products

- Main source of products is **IBL Visual Weather**
- Other sources are text and graphics from other systems.
- New products were developed with Customers' requirements in mind following consultations



Stage 3 – Hosting

- In house dev system – CentOS 6
- External Virtual Cloud based server also running CentOS 6.
- Automated data handling; files are sorted on arrival depending on their file names.
- Some are prepared for animation
- Some for non-animation.



Joomla 2.5

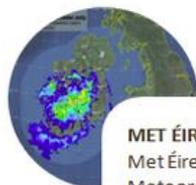
- Industry standard CMS system.
- Very good ACL with a fine control over the visibility of each product.
- Wide range of ‘extensions’ and templates.
- Customisable via user extensions:
 - Own plug-in to provide animation of images in a folder.

Welcome:

Tuesday, 27 May 2014

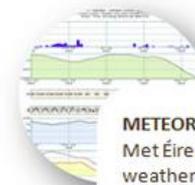
ABOUT METweb

METweb is Met Éireann's platform for the delivery of tailored meteorological data and products to clients such as Government Departments and Agencies, Local Authorities and corporate bodies via the Internet. Please log in (see drop-down menu at the top right hand side of the screen) using your username and password. If you encounter any problems, please contact METweb@met.ie.



MET ÉIREANN

Met Éireann is Ireland's National Meteorological Service, and is a line division of the Department of Environment, Community and Local Government.



METEOROLOGICAL INFORMATION

Met Éireann is the official provider of weather information, forecasts and warnings for Ireland and its coastal waters.



METWEB CONTACT

If you would like to become a client of this service, please contact METweb@met.ie.



INTERNATIONAL COLLABORATIONS

The collection and processing of weather data is, of necessity, a global cooperative enterprise and Met Éireann benefits from active engagement with a number of international bodies, including:



Contact Met Éireann Headquarters

Met Éireann, Glasnevin Hill, Dublin 9, Ireland.

tel: 01 8064 200

email: met.eireann@met.ie

www.met.ie and m.met.ie
app on Google Play & iTunes

You are here: HOME



Tweets

Follow

- 
Met Éireann @MetEireann 3h
 Warm & sunny in most places. Highs 15-18C. Cloudier at times across SW Munster. A few isolated showers may develop towards evening
 Expand
- 
Met Éireann @MetEireann 5h
 Pollen Count: Moderate for today.
 Expand
- 
Met Éireann @MetEireann 5h
 Sunburn Index for today, Tuesday:

Welcome to the METweb pages for Dublin City Council, bringing you meteorological information supporting the management of a safer city for all.



From the top menu bar, drop-down lists will guide you to the available products.

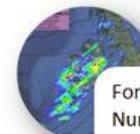
The information under the help menu provides some background on the various products and some assistance with their interpretation.

If you encounter any problems, please contact METweb@met.ie with details of your difficulties, and if relevant, together with the reference number of the affected product - this is located in a box to the right hand side of the image/animation. This will make it easier for us to identify the problem and apply a solution.

Suggestions for improvements to these web pages, or requests for additional data or products, should be sent via email to METweb@met.ie.



Occasionally services such as radar will be withdrawn for routine service or for other technical reasons. Insofar as possible, we arrange these outages for periods of quiet weather.



Forecast data is derived from computer-produced Numerical Weather Prediction (NWP) data; there may be occasional delays in the arrival of this data because of technical issues, but these are infrequent.



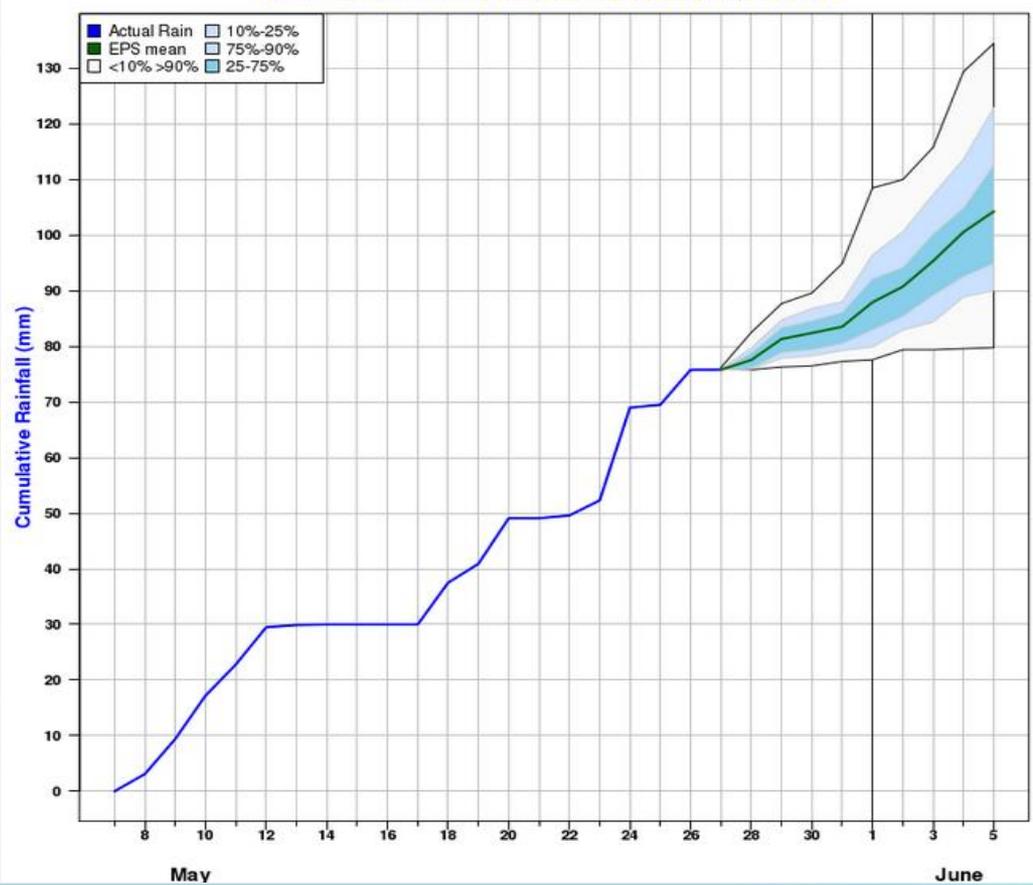
Any current weather warnings are displayed prominently on our public website www.met.ie as are the latest text forecasts, prepared by experienced meteorologists and updated routinely.

Customer landing Page

Launch client

Dublin City Council

Dublin Apt: Cumulative Daily Rainfall Last 20 Days and EPS



Rainfall accumulations 20 day observations together with the 10day rainfall ensembles forecasts



For a particular point, this product graphs the accumulated observed rainfall over the past 20 days up to today; after which the forecast spread from the ECMWF ensemble prediction system (EPS), of which there are 50 members, and shows the spread of cumulative rainfall over the following 10 days.

- The ensemble range is banded into ranges where:
- means 25-75% of the ensemble rainfall forecasts occur;
 - indicates the rainfall range where 75-90% of the 50 ensemble forecasts fall, etc.

Again the interpretation is when forecast spread is narrow for the majority of the ensembles then that amount of rainfall is likely and when the forecast spread are wide then the forecast has less skill.

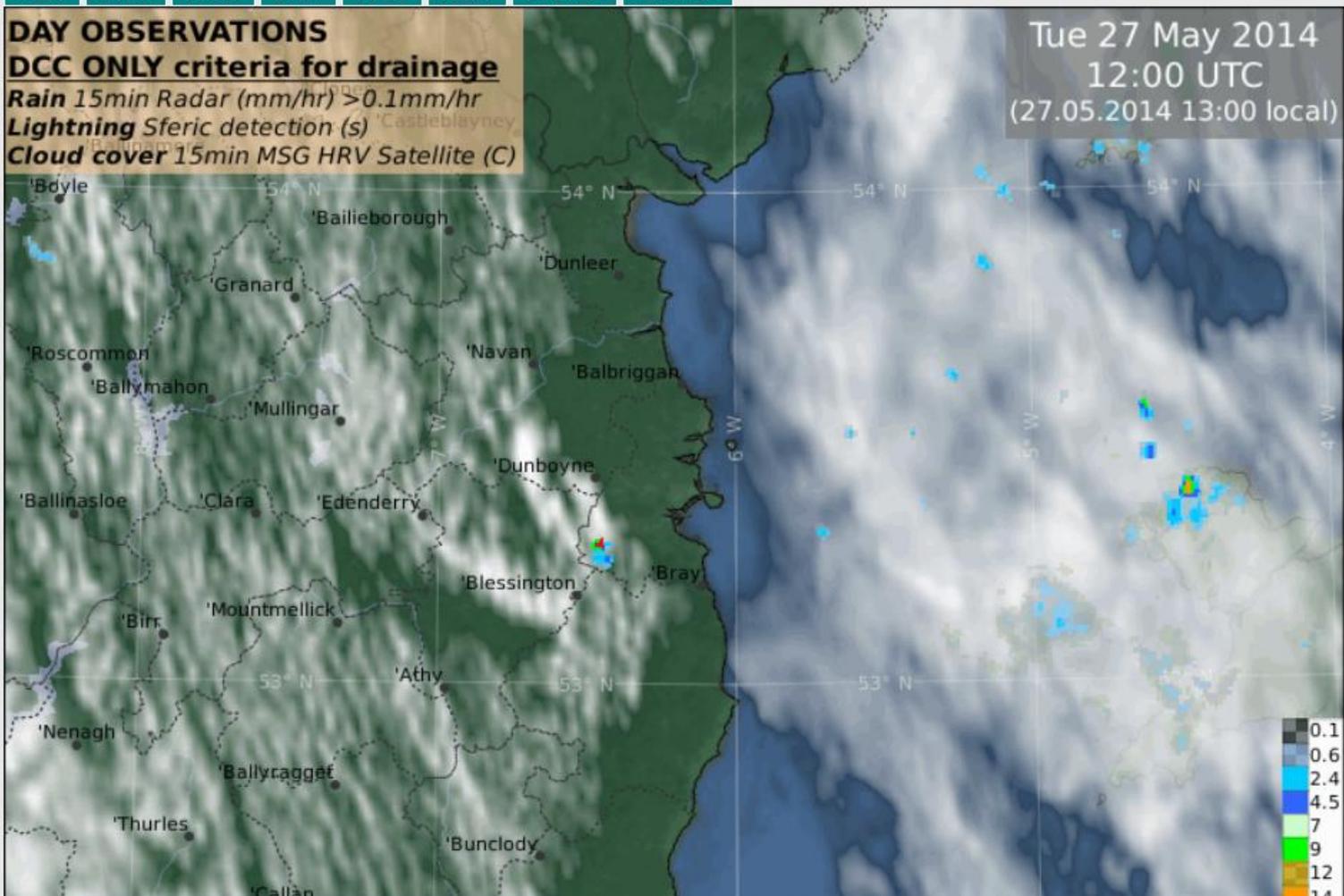
Rainfall Accumulation
And ENS spread
Dublin City Council

You are here: [DRAINAGE](#) ▸ Radar DAY (15min): Dublin

[PLAY](#)
[STOP](#)
[FIRST](#)
[LAST](#)
[PREV](#)
[NEXT](#)
[FASTER](#)
[SLOWER](#)

DAY OBSERVATIONS
DCC ONLY criteria for drainage
Rain 15min Radar (mm/hr) >0.1mm/hr
Lightning Sferic detection (s)
Cloud cover 15min MSG HRV Satellite (C)

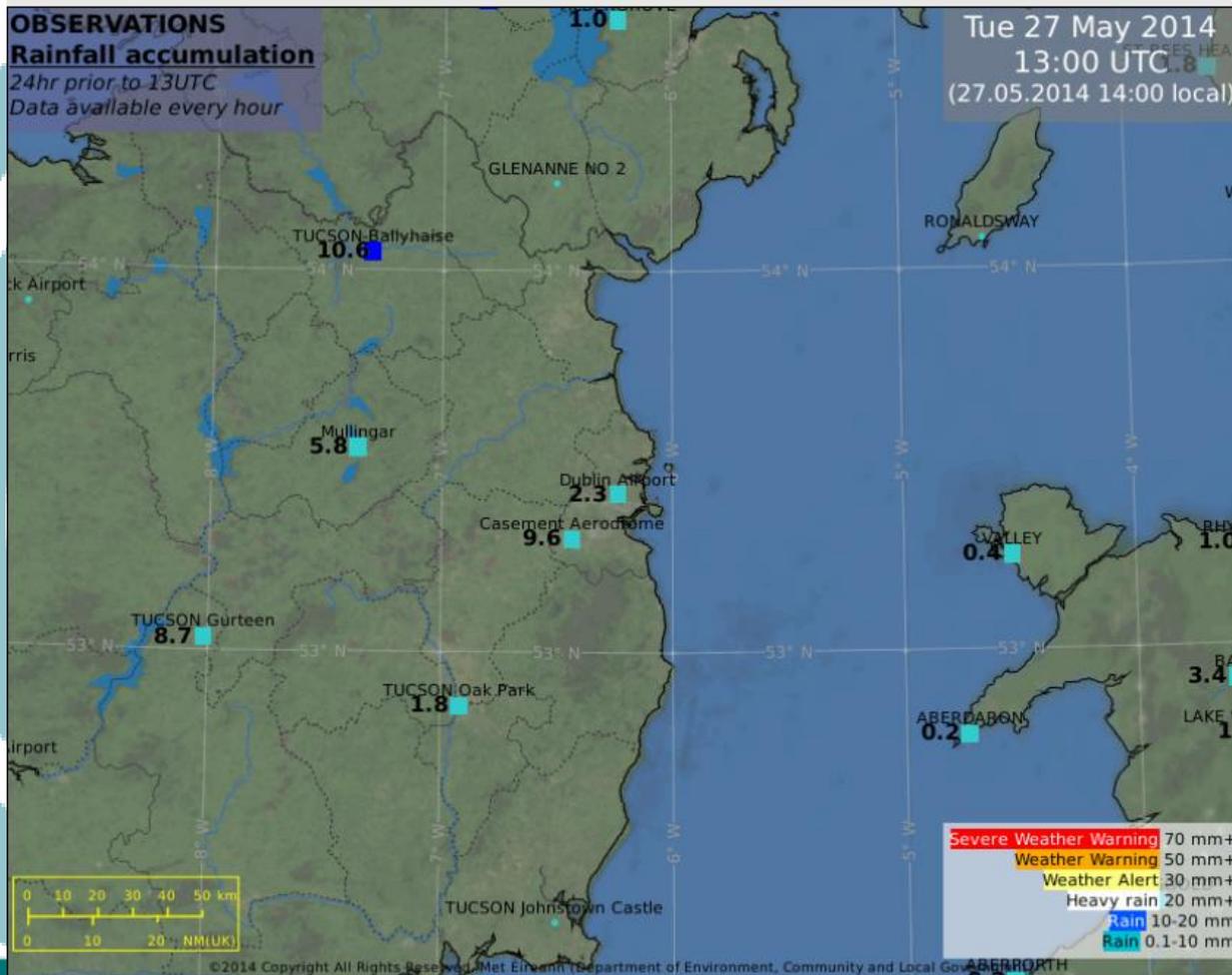
Tue 27 May 2014
 12:00 UTC
 (27.05.2014 13:00 local)



Cloud and Radar

Dublin City Council

Levels agreed With DCC



24 acc rainfall
From Observations
(SREW)

Dublin City
Council

You are here: HOME



Welcome to the METweb pages for the National Road Authority bringing you meteorological information supporting safe and efficient use of our national roads.

Tweets

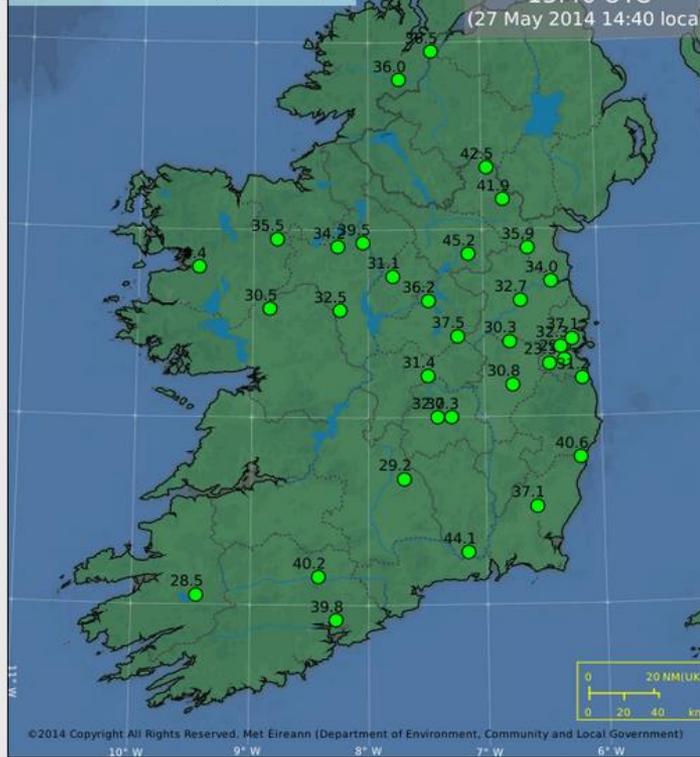
- 

3h
Warm & sunny in most places. Highs 15-18C. Cloudier at times across SW Munster. A few isolated showers may develop towards evening
- 

5h
Pollen Count: Moderate for today.
- 

5h
Sunburn Index for today, Tuesday:

OBSERVATIONS
Roadside surface temperatures (°C)



- OBSERVATIONS**
The map to the left shows the current road surface temperatures, updated every 20 minutes (a few sites update hourly), where the colour criteria for surface temperature levels are:
- Surface temp. >2°C
 - Surface temp. 0 to 2°C
 - Surface temp. -2 to 0°C
 - Surface temp. -2 to -4°C
 - Surface temp. -4 to -8°C
 - Surface temp. < -8°C

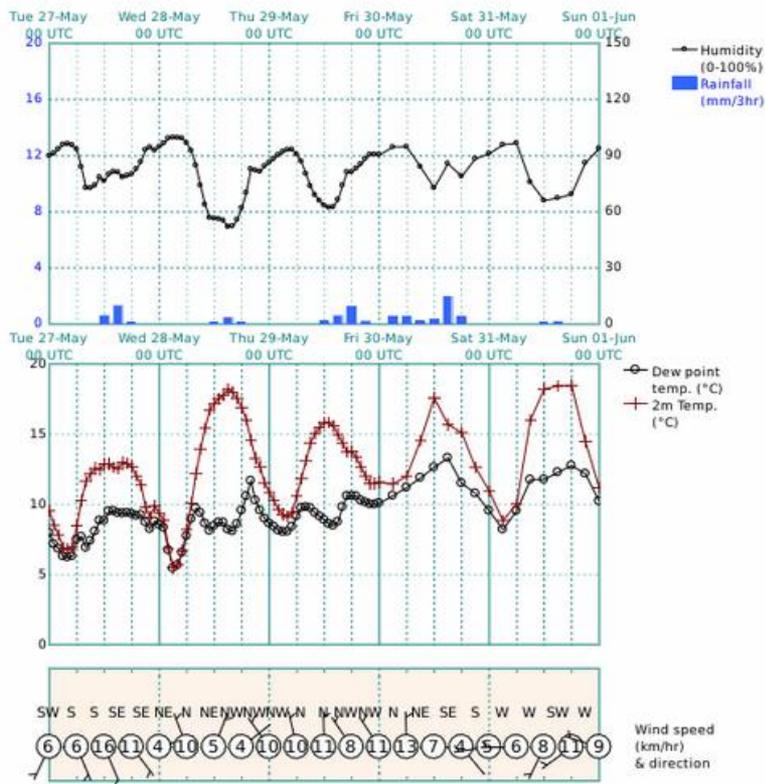
Quote ref. 0049

FORECAST: NWP Model: ECMWF Fine
The following four images are the lowest forecast minimum air (2m) temperature detected within each County over a 24 hour period up to 5 days ahead. Beware: no account is taken of elevation. Always check back for the latest information.

Landing page for National Roads Authority

Road surface Temp map updated every 10mins from observations.

FORECAST Model: ECMWF (Fine125) 5 Day Meteogram
Forecast point: **Cork** (51°53'N 8°30'W)
Run: Tue 27 May 2014 at 00 UTC (model run twice per day)



5 day
Meteogram for
National Road
Authority

You are here: HOME

Sea Area Forecast until 0600 Wednesday 30 April 2014 Issued at 0600 Tuesday 29 April 2014

Gale warning: Nil.

Small craft warning: Nil.

Meteorological situation at 0300: A light and variable airflow covers Ireland. The flow will gradually become southeasterly this morning, as a weak occlusion approaches from the southwest.

Forecast for coasts from Erris Head to Howth Head to Roche's Point and for the Irish Sea
Wind: Variable, force 3 or less, becoming mainly southeasterly today, force 3 or 4.

Forecast for coasts from Roche's Point to Loop Head to Erris Head
Wind: Variable force 2 to 4, becoming mainly south to southeast this morning, force 3 or 4. Occasionally reaching force 5 in the southwest today.

Weather for all sea areas: Misty in parts with fog locally in the south and east. Some rain and drizzle will develop in the southwest later today.

Visibility for all sea areas: Moderate to good, but to poor locally in rain, drizzle and fog.

Warning of heavy swell: Nil.

Outlook for a further 24 hours until 0600 Thursday 01 May 2014: Light to moderate mainly south to southeast winds, becoming cyclonic variable later. Outbreaks of showery rain.

Next update before 1300 Tuesday, 29 April 2014

Gale Warning

NONE

Small Craft Warning

NONE

COASTAL REPORTS and SEA CROSSINGS FORECAST

Coastal Reports	At 5 Am Tuesday 29 April 2014
Malin Head Automatic	South, 04 Knots, Mist, 2 Miles, 1011, Falling Slowly
Buoy M5	Wind Direction Not Available, Wind Speed Not Available, The Visibility At Tuskar Lighthouse Is Greater Than 10 Miles, 1011, Falling Slowly
Roche's Pt Automatic	North, 03 Knots, Recent Fog, 0.5 Miles, 1012, Steady
Valentia Automatic	West, 01 Knot, Fair, 15 Miles, 1011, Falling Slowly

Home Page

Irish Coast Guard

Sea-area forecast

(html)

Gale Warnings

You are here: [AVIATION](#) ▸ METAR and TAF

Issued at 14:15 UTC on Tue. 27-May-14

TAFS()

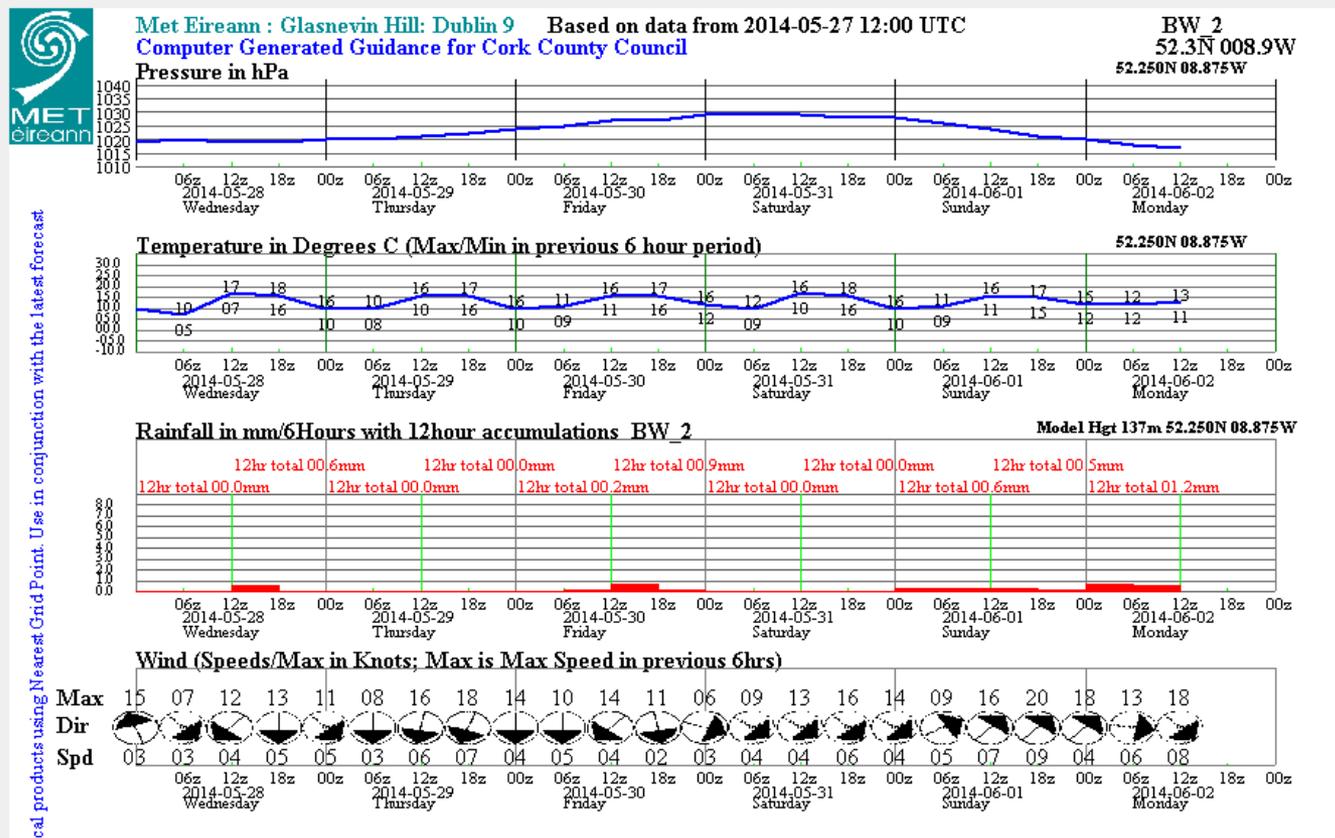
DUBLIN	TAF EIDW 271100Z 2712/2812 11008KT 9999 FEW012 BKN030 BECMG 2721/2723 VRB03KT PROB30 TEMPO 2723/2807 3000 BR BKN007 BECMG 2805/2807 01010KT
SHANNON	TAF EINN 271100Z 2712/2812 14008KT 9999 SCT030 BECMG 2720/2722 VRB03KT TEMPO 2800/2807 3000 BR BKN007 PROB30 TEMPO 2802/2807 0400 FG BKN001
CORK	TAF EICK 271100Z 2712/2812 14008KT 9999 SCT020 BECMG 2721/2723 VRB03KT TEMPO 2800/2807 3000 BR BKN005 PROB30 TEMPO 2800/2807 0200 FG BKN001
CONNAUGHT	TAF EIKN 271100Z 2712/2812 14007KT 9999 SCT012 BKN020 TEMPO 2800/2808 4000 BR BKN005 PROB30 TEMPO 2802/2808 0300 FG BKN001
BELFAST/ ALDERGROVE	TAF EGAA 271100Z 2712/2812 VRB05KT 9999 SCT025 PROB40 2802/2808 6000 BKN004
LONDONDERRY/ EGLINTON	TAF EGAE 271100Z 2712/2721 05006KT 9999 SCT025
ISLE OF MAN	TAF EGN5 271100Z 2712/2721 VRB05KT 9999 FEW010 SCT030 =
BLACKPOOL	TAF EGNH 271103Z 2712/2721 07007KT 9999 SCT040 =
LIVERPOOL	TAF EGGP 271102Z 2712/2812 03005KT 9999 SCT035 PROB30 TEMPO 2712/2805 8000 RA TEMPO 2805/2812 7000 RA BKN014 PROB30 TEMPO 2805/2812 4000 +RA BKN009
MANCHESTER	TAF EGCC 271102Z 2712/2818 03008KT 9999 SCT040 PROB30 TEMPO 2712/2803 8000 RA TEMPO 2803/2818 7000 RA PROB30 TEMPO 2803/2812 4000 +RA BKN009
CASEMENT (BALDONNEL)	TAF EIME (MIL) 271400Z 2715/2724 09010KT 9999 SCT020 SCT030
WATERFORD	TAF EIWF 271400Z 2715/2724 20008KT 9999 SCT025 BECMG 2720/2722 VRB03KT
KERRY (FARRANFORE)	TAF EIKY 271400Z 2715/2721 15010KT 9999 SCT025 =
SLIGO	TAF EISG 271400Z 2715/2724 13007KT 9999 SCT020 =
DONEGAL	TAF EIDL 271400Z 2715/2721 33006KT 9999 SCT030 =
GLASGOW	TAF AMD EGPF 271408Z 2714/2812 05005KT 9999 FEW022 TEMPO 2714/2720 8000 -SHRA PROB30 TEMPO 2714/2717 4000 TSRA BKN012CB TEMPO 2803/2812 6000 SHRA BKN008

TAFs and METARs

Irish Coast Guard

Local processing
Script.

You are here: METEGRAMS ▸ MeteogramZ02_COR_BW_2



Local products using Nearest Grid Point. Use in conjunction with the latest forecast.

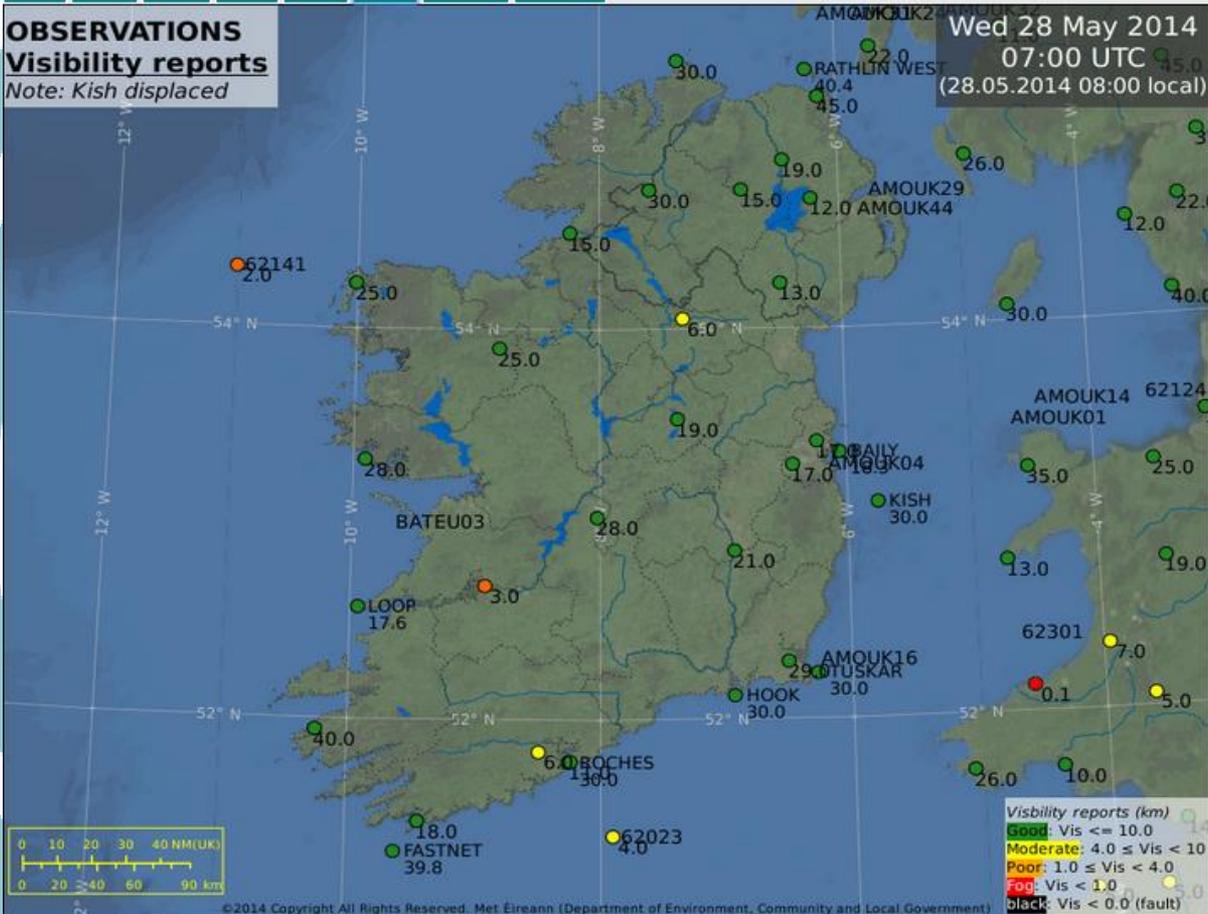
Custom Meteogram

Cork County Council

VBA application.

OBSERVATIONS
Visibility reports
Note: Kish displaced

Wed 28 May 2014
07:00 UTC
(28.05.2014 08:00 local)



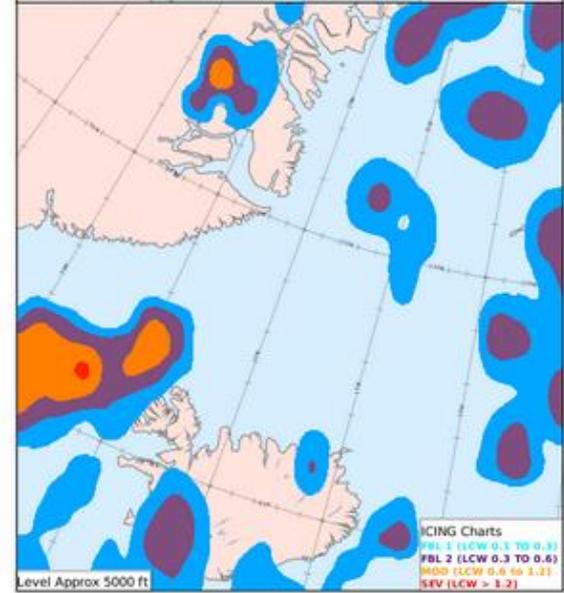
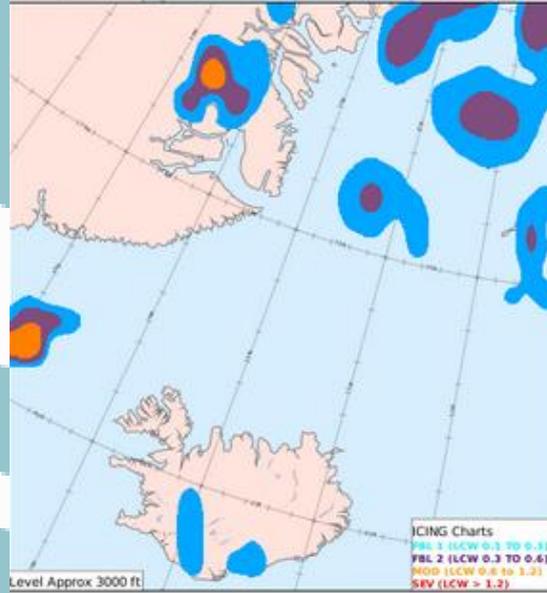
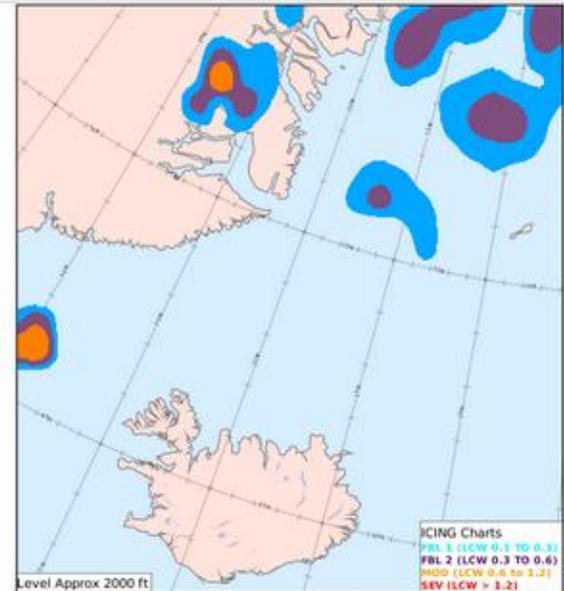
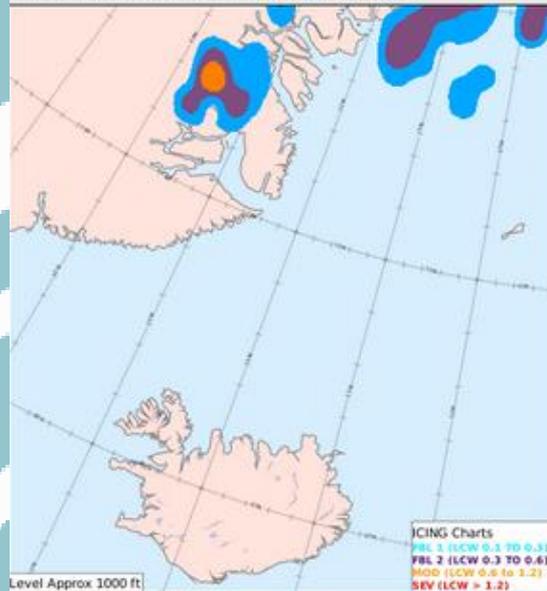
Lighthouse Visibility reports

Irish Coast Guard, Navy

Icing Probability

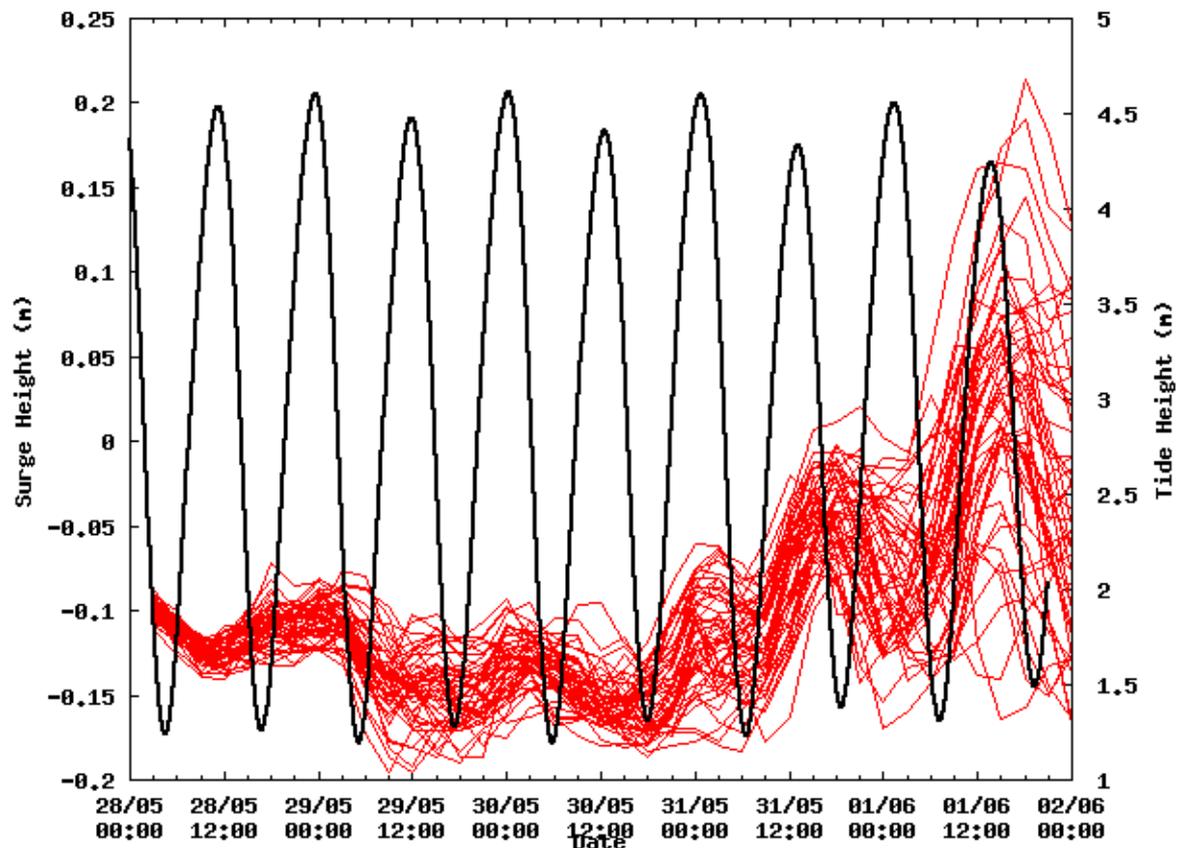
Irish Coast Guard

For helicopters



You are here: [FORECASTS](#) ▶ [Surge: Dublin Bay](#)

ECMWF Ensemble Forecasts of Surge (n) in Dublin Bay



ENS Wave Surge

Dublin City Council

Custom algorithm for surge using ECMWF ENS wave/wind data.

Today

- About 10 clients
- Local authorities – Dublin and Cork
- Road authority – 30 regions
- Emergency services – Police, Coast Guard
- Military – Aer Corps and Navy
- 480 registered users

Viewing

- 70% Desktop
- 22% Mobile – mainly iPhone
- 8% tablets – mainly iPad
- Up to 200 sessions per day

Today

- Feedback has been very positive
- Successful product that enhances the role of Met Éireann
- Provided with very limited resources (staff – 3 people for one year and 1 ongoing).

Future

- Add more customers
- Possible addition of web-services – WMS and WCS
- But for now, customers appear to be satisfied with the range of web products available.