

Meteorology Research Project, 2011

VW, AWS and MCC Weather Web-Site

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The UCD Meteorology & Climate Centre has developed a website, primarily for educational purposes. Currently, there is no weather data on the site. The purpose of this project is to introduce live weather data onto the site.

The powerful meteorological graphics package VW is available. It can be used to generate a range of (quasi-)operational products for display on the website.

We also have an AWS at Rosemount. Real-time data from this should be acquired and made available on the website.

Date should include some or all of the following:

- Observational data from the AWS at Rosemount
- Analysis and forecast charts from COSMO (via VW)
- Analysis and forecast charts from other models: HIRLAM, WRF, etc.
- Satellite data (geostationary and polar orbiting satellites)
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In addition, possibly:

- Observation meteogram for Belfield: Time-series plot from AWS.
- Forecast meteogram for Belfield: Time-series from COSMO, WRF

Data should be stored in a data-base, updated in real time on the site, and archived.

A report describing the work should be written.