

WOW: Crowd Sourced, Citizen Science & Opportunistic Weather Met Office Observations at the Met Office

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www.metoffice.gov.uk

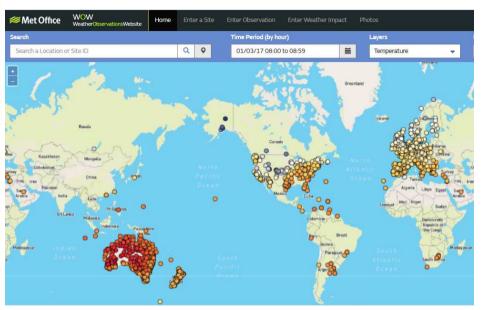


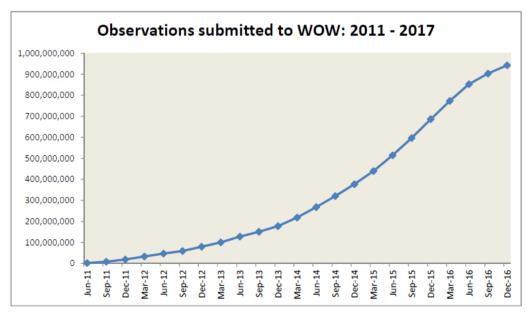
Overview:

- •What is WOW?
- Background
- Present
 - Weather Impacts
 - WOW Engine
 - WOW Partners
 - OBD (Car) data
- Future
 - Data availability
 - Partnerships, challenges and opportunities
- Questions



Weather Observations Website



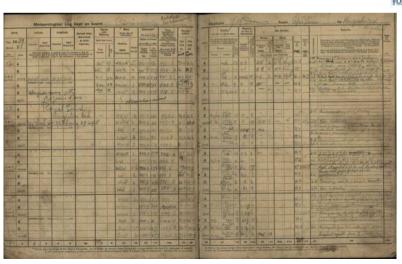


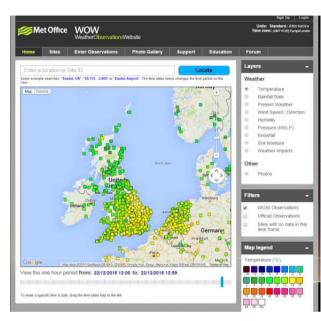


WOW: Background











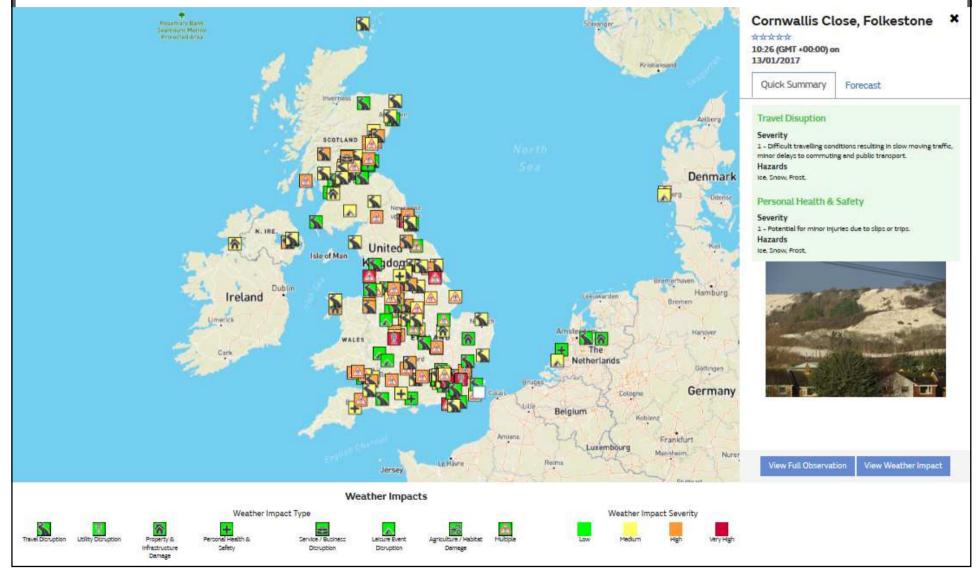


WOW: Current use within Met Office

- Observations routinely stored within MetDB
- Not currently assimilated into NWP
- Used for verification purposes, especially weather impacts
- Available to forecasters via website
- •Flexible platform for hosting novel sources of observations
- Potential for use in climate monitoring and understanding of fine scale meteorology being explored

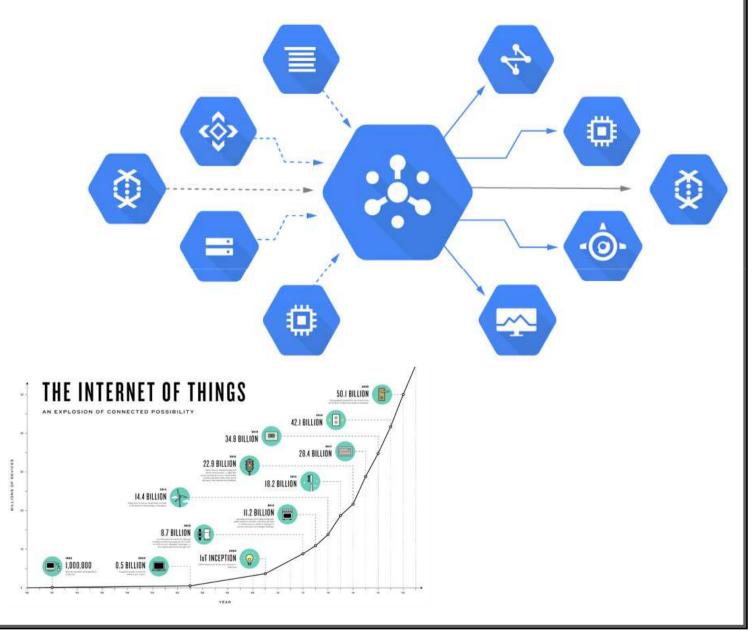


WOW: Weather Impacts





WOW Engine









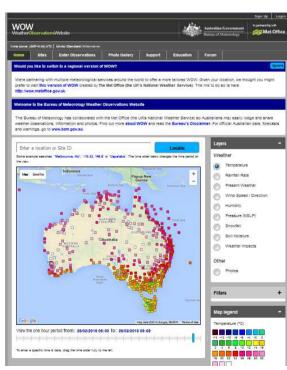


Partnerships

 Existing very positive collaborations with National Meteorological Services of Australia, New Zealand and the Netherlands









Cars: OBD data







WOW: The future

Publically available APIs





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WOW: The future

- Extension of platform to new partners
- Research to make better use of existing data
- Horizon scanning for new sources of observations

















Thank you

Any questions?



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