Flood Network

Ben Ward
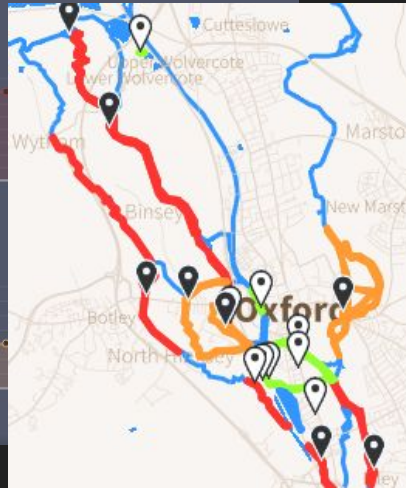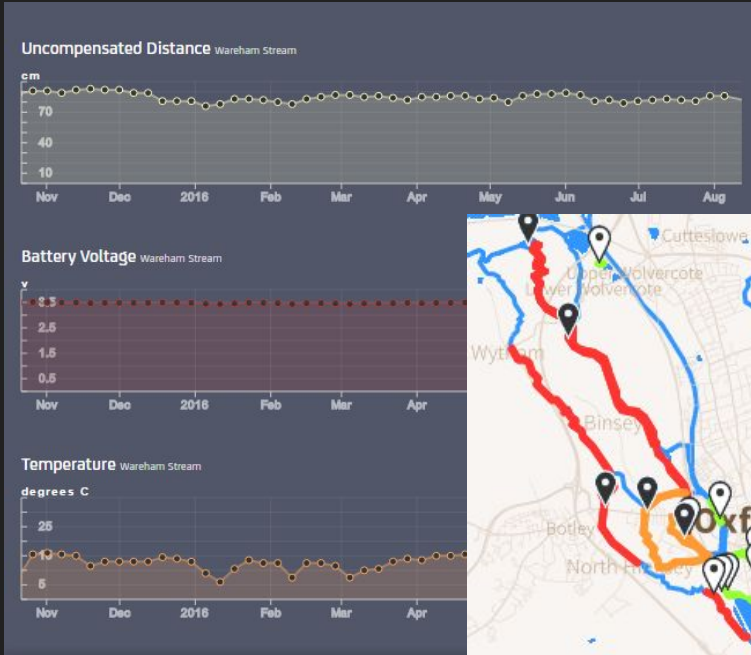http://flood.network
@flood_network

Flood
Network

Monitor flooding from small water courses, ditches and culverts

Mobilise residents and staff before a crisis develops
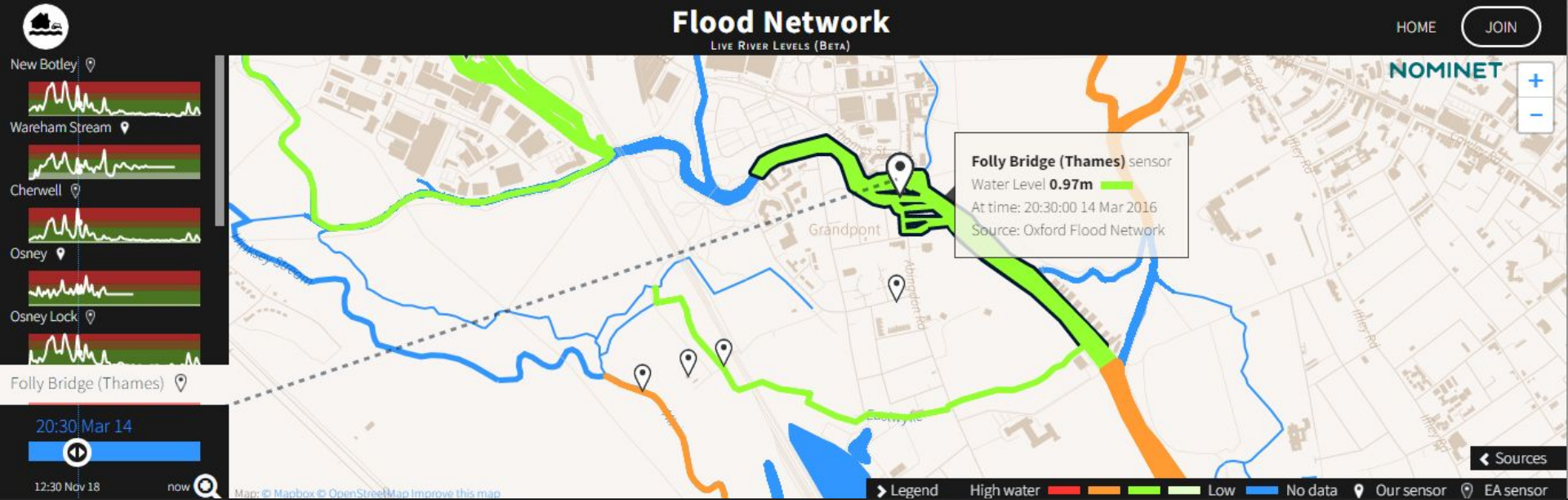
Data & Subscription

- Your subscription allows you to analyse and manage water levels in one place.
- Sensor data updates at 15 minute intervals to you and (if you wish) to the public.
- Staff can be mobilised to manage flooding related issues before they become critical
- Historical data is yours to analyse
- Data is used for calibrating and improving flood models
- Add sensors, pay as you grow

Sensors

- Small, low cost device, suitable for installation on bridges, culverts, floorboards.
- Uses ultrasound to detect water surface, reducing maintenance costs
- Available with or without maintenance and installation
- Use cutting edge low-power wide area technology developed for the Internet of Things
- Sensors can use existing networks where available (Things Network, Stream, Actility) or gateways installed where needed.

See levels at a glance

- Public Map http://flood.network
- Zoom from regional & local overview down to individual sensor
- Time slider replay of events
- Colour changes on thresholds

See what's working, what needs attention
- Threshold crossings
- Device health, battery
- Links to analytics
- Recalibrate & set thresholds

Watch for level alerts and sensor health

See what's working, what needs attention
- Threshold crossings
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Group or filter view by sensor type or site name. Easily find devices, save the search for future use.

Manage and group locations, data and devices

Easily find devices, explore analytics
- Links to analytics
- Place sensors accurately on map
- Calibrate & set thresholds

- Bound & group devices and locations with polygons
- Find similar datastreams (eg. all temperatures here)

Configure sensors, calibrate and transform data

- Allows fine detail changes to metadata
- Transforms allow new datastreams to be calculated (eg. peak events)

- Place sensors accurately on map
- Calibrate & set thresholds
- Set user permissions per sensor
- Enable notifications (2017)

Flood Network Services

Consultancy

- Understanding your flooding or drainage issues and targeting specific locations
- Co-developing a solution to provide ROI

Network Planning and Design

- Planning for coverage and sensor deployment
- Network design
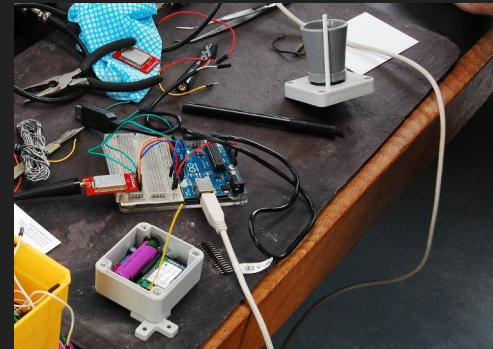- Network Management

Ben Ward, Director

Flood Network Services

Workshops

1 day workshops to explore the Internet of Things and how it can help your water and drainage management.

Example topics for the day:

- Cost-effective prevention through data
- Engage the community
- Build valuable datasets for flood risk
- Evaluate schemes before and after
- Calibrate flood models

Flood Network

Communities responding better to flooding

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http://flood.network