

Hydromet services functionality in **Delft-FEWS**

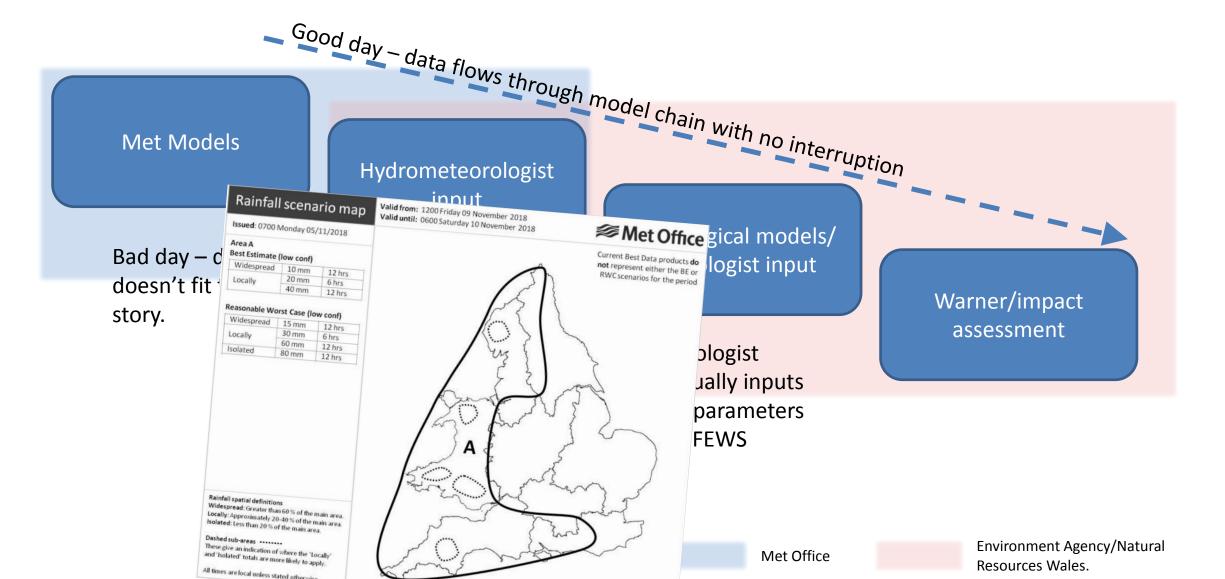
Adrian Wynn FFC Senior Hydrometeorologist

Current forecasting chain

a working partnership between





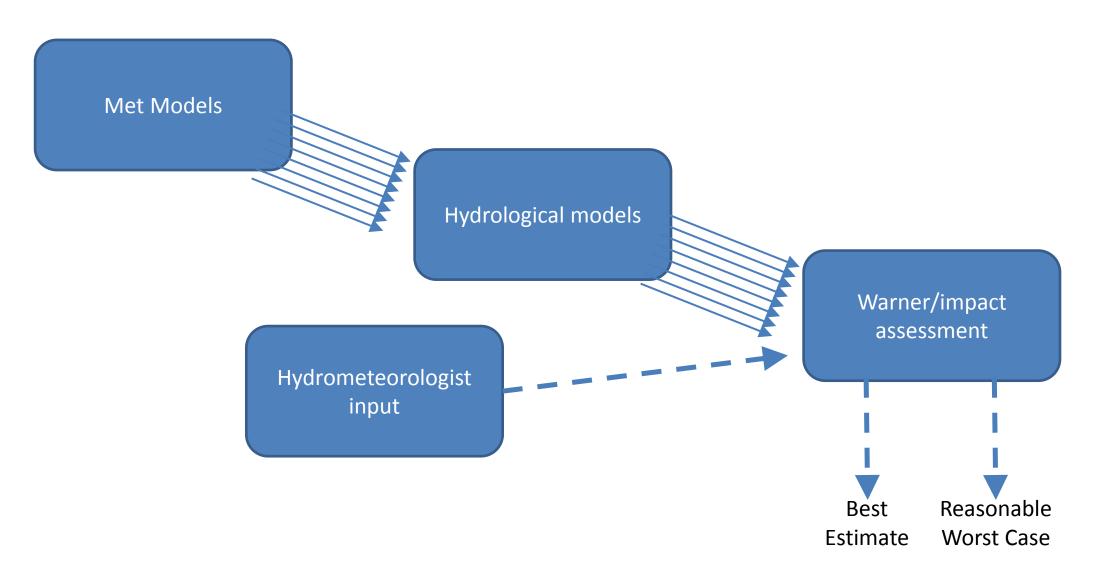








Idealised forecasting chain









For Autumn 2019, we need to:

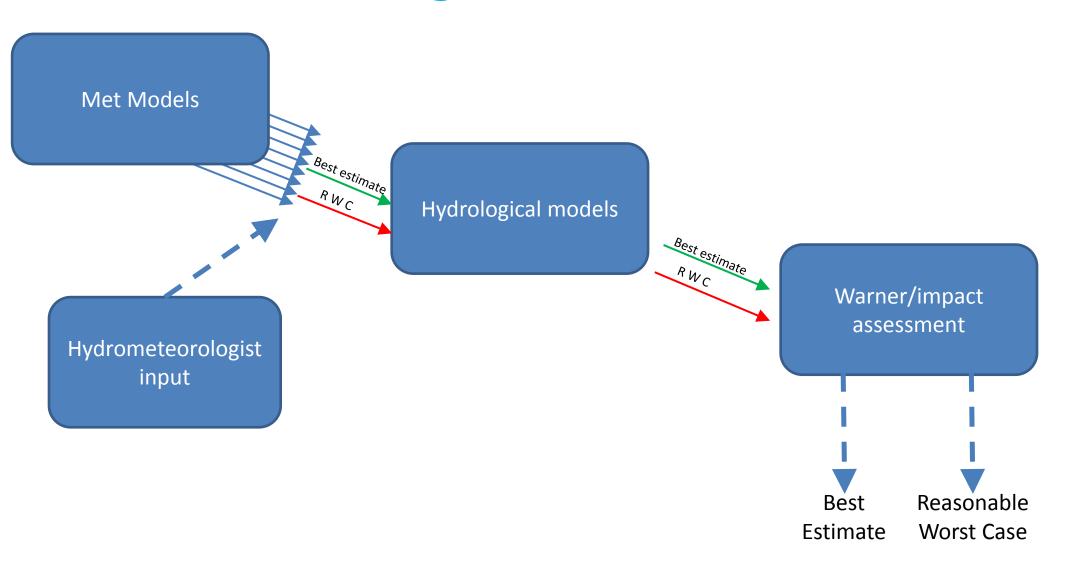
- Run two separate forecast streams Best Estimate and Reasonable Worst Case.
- Identify Best Estimate and Reasonable Worst Case data feeds from any FEWS input (e.g. ens member, previous model run).
- Trial modification imported forecast data to create new forecast dataset (trial).
- Create text to explain Hydromet actions.

a working partnership between





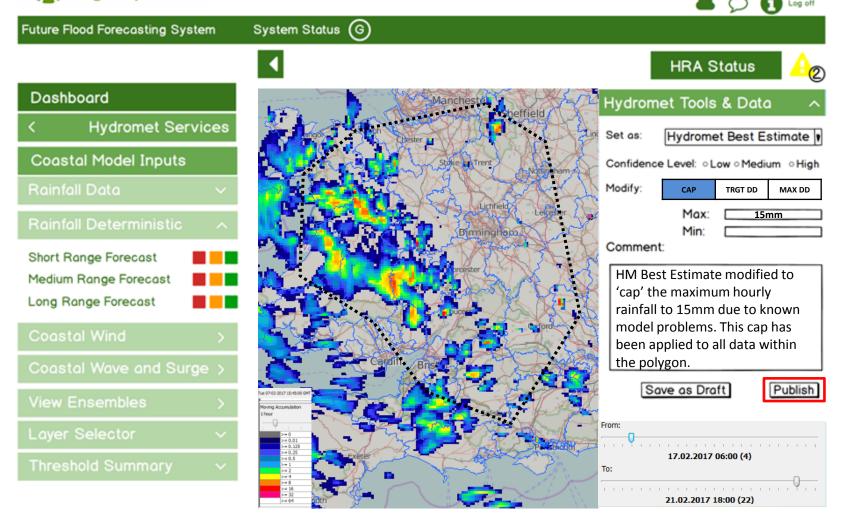
Planned forecasting chain



Hydromet Data Management tool example

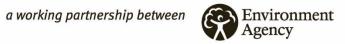






Hydromet Data Management tool example Environment System Status (G) Future Flood Forecasting System **HRA Status** Mon 06-02-2017 18:15:00 GMT Dashboard Hydromet Tools & Data **Hydromet Services** Hydromet RWC Set as: Coastal Model Inputs Confidence Level: OLow Medium OHigh Rainfall Data Modify: TRGT DD MAX DD TRGT DD Multiplier 1.5 Comment: Short Range Forecast HM RWC modified to increase Medium Range Forecast the 12 hour rainfall totals in the Long Range Forecast south-west by a factor of 1.5 to account for a slower front, with orographic enhancement Publish Save as Draft 17.02.2017 06:00 (4) 21.02.2017 18:00 (22) End of Start of event event space Start of period space End of period 'Event' Space Day 1 (T+0) Day 6 (T+144) Time Window







Discussion:

- Any other forecasting centres doing similar activities?
- Any other forecasting centres interested in similar functionality to this?
- What level of modification is acceptable?