Global Data Services

Dare to share global data



International Delft-FEWS userdays 2019



#DelftFEWS

Daniel Twigt Gert-Jan Schotmeijer









Offshore Deltares #DelftFEWS

Flooding





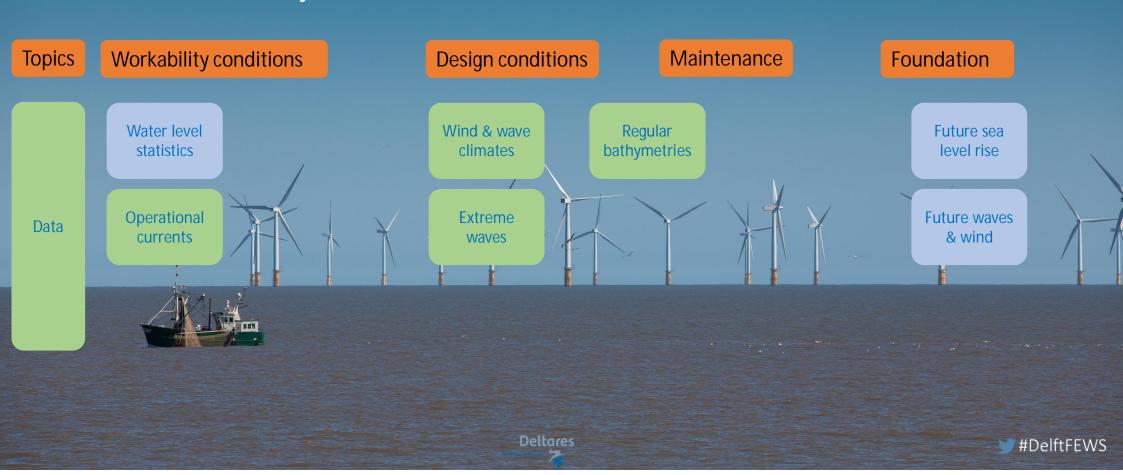


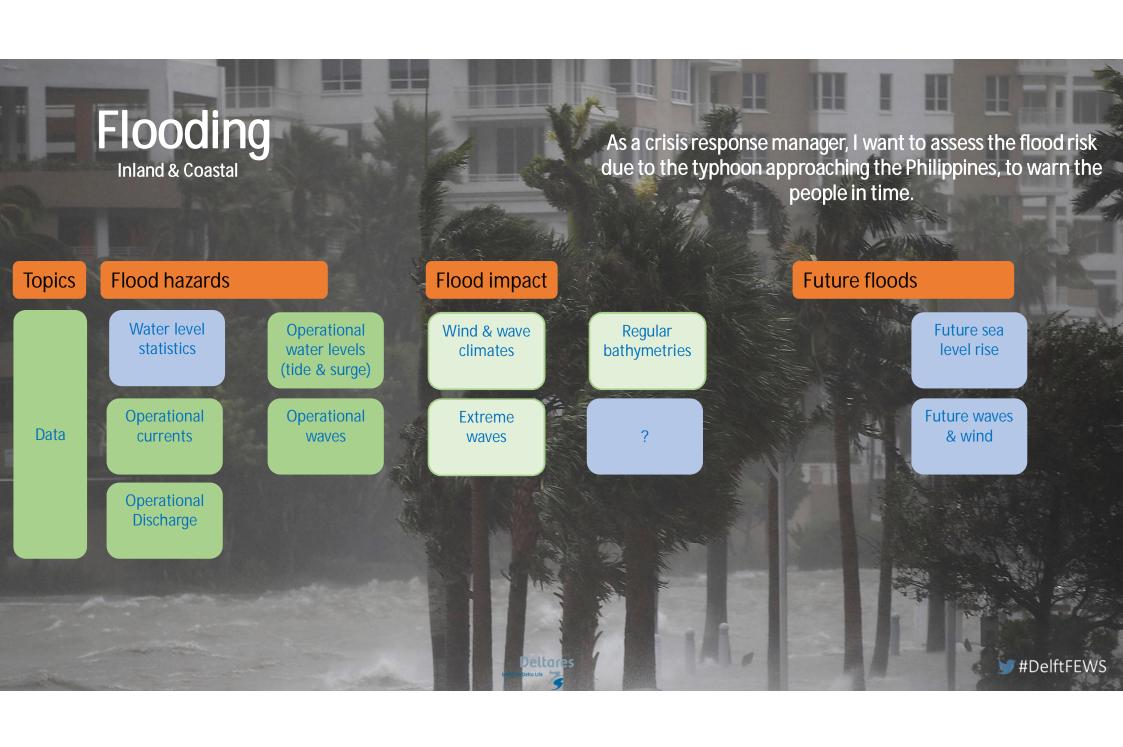




Offshore

As a windfarm operator, I want to assess metocean conditions at my windfarm, to assess workability conditions.

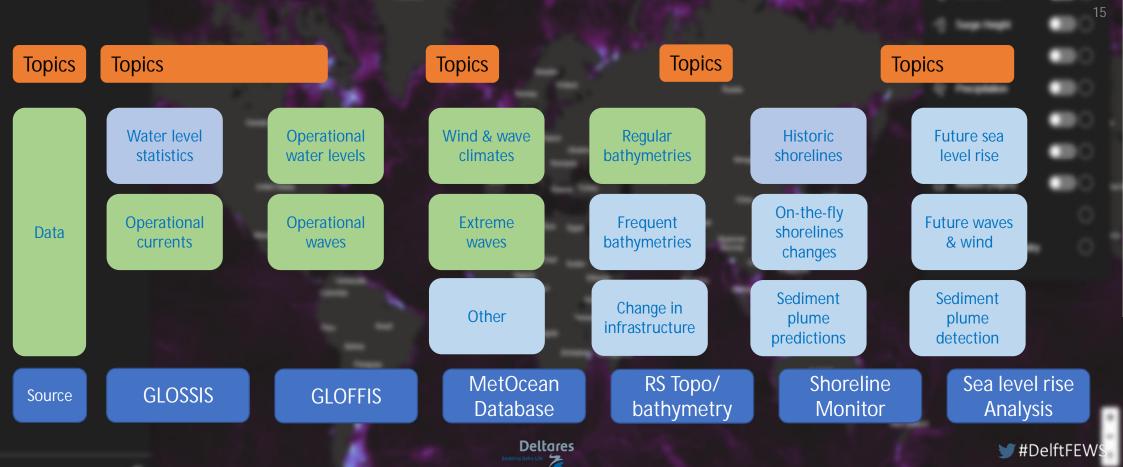






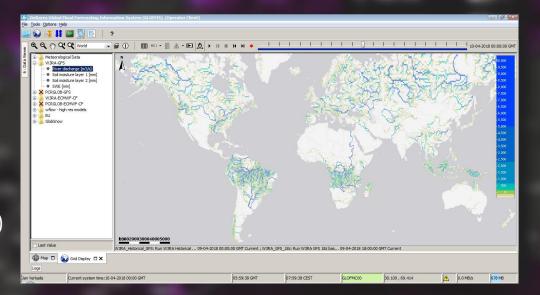
Overview

- Offshore
- Flooding (Inland & Coastal)
- Coastal management

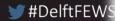


GLOFFIS: real-time hydrological forecasts at world-wide scale

- Medium-term and seasonal fluvial flow forecasts
- Historical timeseries
- anywhere
- Ingredients:
 - Deltares expertise (hydrology, WRM, forecasting)
 - Computational engine: wFlow, Dflow-1D based models
 - Forecasting engine: Delft-FEWS
 - Storage: Deltares OpenArchive

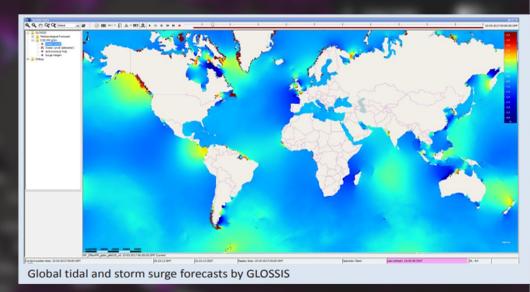




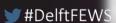


GLOSSIS: real-time water level and storm-surge forecasts at world-wide scale

- Real-time, medium-term forecasts
- Historical timeseries
- <u>anywhere</u>
- Ingredients:
 - Deltares expertise (hydrodynamics, storm surge, wave, bathemetry)
 - Computational engine: Delft3D based GTSM model
 - Forecasting engine: Delft-FEWS
 - Storage: Deltares OpenArchive







Why we invest in GLOFFIS & GLOSSIS



Towards services

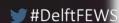


'Global' sets an ambition



Market for global forecasts

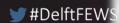




Where are we now and where are we heading?

- Still under development
 - Time slider
 - Additional information per parameter
 - Values when hovering
 - Export/download format
 - Bug fixing
 - New data sources (climate data)
- Available on the Deltares network (now)
- Available for beta-testers Q1 2020 (sign up)
- Official release end of Q1 2020



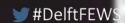


Do it yourself

Instructions and demo

Exercise





Your opinion



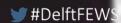
General look and feel

Which additional features would be useful



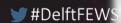
- Are the available data sources useful
- What should be changed to make it (more) useful





- What kind of opportunities do you see?
- We are open for collaboration to jointly develop new services / applications by combining various data sets.





Thank you for your attention

E-mail: dataservices@deltares.nl Global Data Services

Dare to share global data



International Delft-FEWS userdays 2019



#DelftFEWS

Daniel Twigt Gert-Jan Schotmeijer