

Connect to the ground-truth with Floodtags

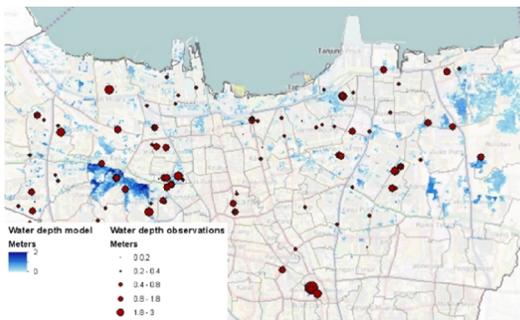
Floodtags offers the local perspective, the ground-truth on floods, by listening to and anticipating on the flood observations of citizens on social media. After filtering and enriching the data with water- and geolocations, Floodtags delivers the ground-truth via a web-interface designed for flood management. Besides floods, Floodtags advises more broadly on the use of web-IT for social and water issues.

Floodtags Flood Monitor

During a flood typically tens to hundreds of thousands observations are shared, containing information on a wide array of flood characteristics incl. water in the streets, water depths, damages, vital infrastructure at risk and more. Floodtags collects, filters and enriches these observations to give flood managers the ground-truth on floods: What is happening, what problems are observed, how are citizens affected, how are they coping etc. The results are delivered on a website and API that includes conversion to time-series and connects to Delft-FEWS.



Realtime and historic overviews, statistics and maps, user functionality designed for flood management, time-series for water modelling software, standard connection to Delft-FEWS, advanced search, access via web-interface and API



Research and Development

To improve the filters and enrichments, Floodtags works together with top universities and institutions, among them Deltares, Radboud University Nijmegen and VU University Amsterdam. Current research topics (carried out by two PhDs plus specialists and students) include enrichment of Twitter data with a DEM for realtime flood extent maps, using Floodtags to calibrate and validate global flood models and prioritisation of tags on basis of advanced text mining.

Focus on citizens and communities

We believe that citizens and local communities are key resources in any social and water management problem. By listening to and anticipating on local perspectives, decision makers can take supported measures and responders have direct insight in the assistance needed in the communities they work in. Besides social media such as Twitter, Floodtags also connects to emergency call centres and other citizen reporting applications.

