

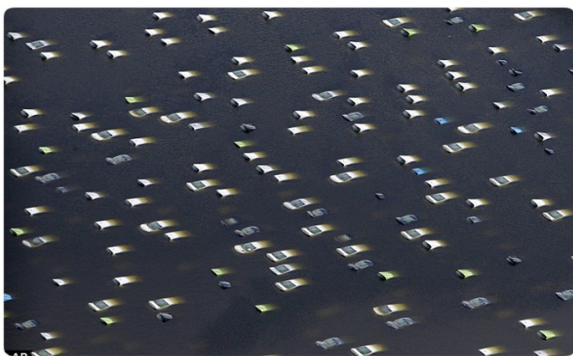


ecityrisk

- » **Worst flooding in 50 years**
- » **2.3m+ people affected**
- » **Bangkok inundated**
- » **283 fatalities**
- » **3.8m+ acres of farmland inundated**
- » **23 out of 78 provinces affected**



Aerial footage of flooded Honda Car Factory, Central Thailand, October 2011



Aerial footage of Honda cars inundated with flood waters, Central Thailand, October 2011

For re/insurers, mapping out flood-impacted exposure is hugely problematic and particularly at this scale. Waters are quick to rise and fall and information is often incomplete or doesn't integrate easily with cat-response workflows. Loss adjustors and field crews often experience complex and unpredictable difficulties gaining access, and modeled results are subject to uncertainty.

WHAT ARE WE DOING TO HELP?

ecityrisk's flood footprints are an independent source of intelligence pulling together multiple sources of information, including satellite and aerial imagery, to build a complete picture of the impact zone. ecityrisk propose the following datasets:

- » **Full extent of inundated area:** Generated from moderate resolution satellite imagery, news reports, and internationally available inundation estimates, this product will give an approximate area of impact suitable for regional analysis. Optional products include periodic updates, and percentage inundation by administrative boundary.
- » **Detailed inundation area:** Given a client-defined area of interest of up to 1,000 square kilometers, the inundation boundary will be further enhanced using high resolution optical or radar imagery.
- » **Per-facility imagery for claims validation:** This product provides detailed oblique images within a 200 km radius for assessment.
- » **Per-facility impact assessment:** Building on deliverables from the second and third product offerings, and in association with JBA Risk Management, this product includes estimates of mean damage ratio for determining ground-up losses based on the inundation extents. To include duration and velocity of flooding and down-time estimation.



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