



Research-driven flood risk analytics

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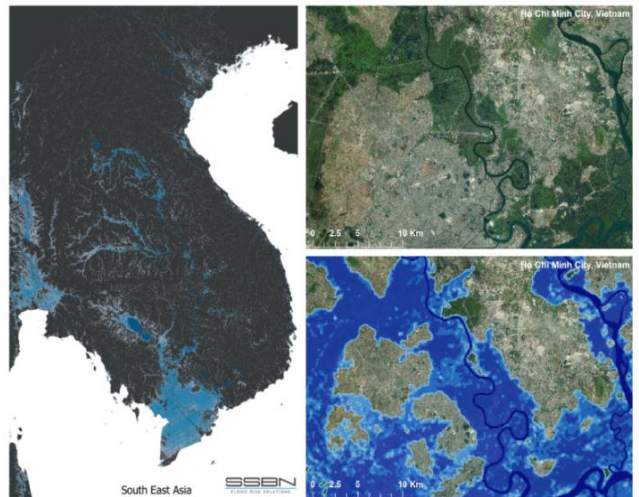
- SBBN is run by members of a world leading university research department that specialises in the field of flood risk modelling
- We provide cost effective flood solutions globally
- Our products and expertise are targeted to meet the needs of clients across the insurance, engineering, resource development and aid sectors

World-class flood modelling capability

Our team has over 15 years experience designing, building and evaluating flood models. We are the group behind the globally applied LISFOOD-FP inundation model and have amassed over 150 peer-reviewed publications.

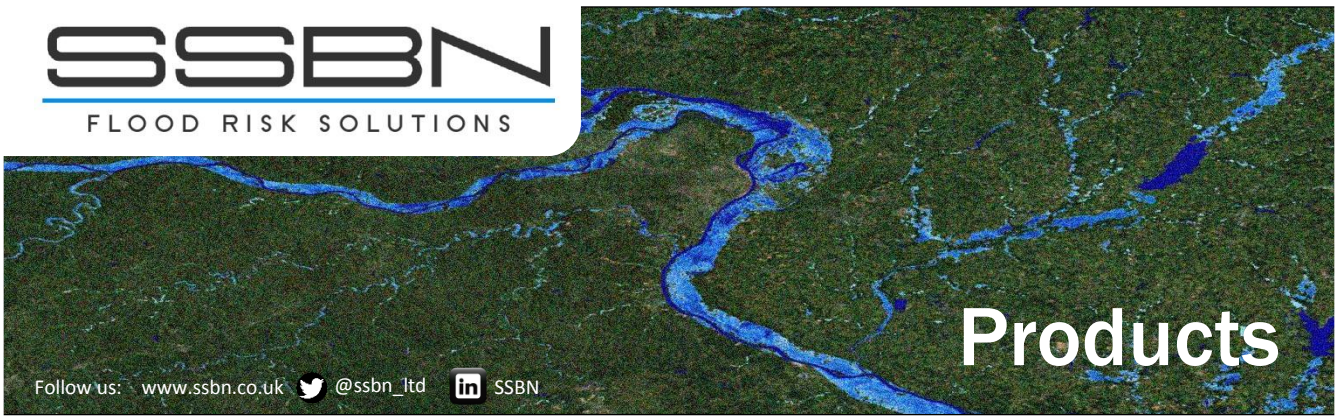
Understand your risk

- Acquire tools that allow you to identify and manage your flood exposure across any region
- We can provide point estimates of flood risk for any location in your portfolio
- We provide bespoke tailored solutions when required, enabling you to acquire specialized tools constructed using the best data and methods available



Manage your response

- Our data provide an invaluable source of information that can be used to mitigate against, or respond to extreme events
- If you're a new user of these tools, we'll help you to engage with the data making it as transferable and accessible to your needs as possible



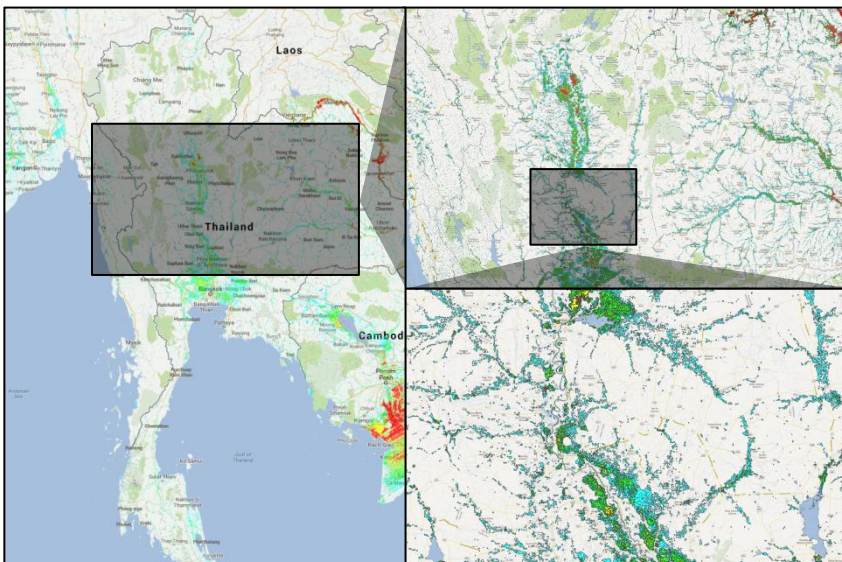
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Products

High resolution 2D modeling of fluvial (river) and pluvial (extreme rainfall) flooding:

- 10 return periods as standard providing both flood extent and water depth at 90 m resolution
- Complete coverage regardless of catchment size
- Custom processing of global terrain datasets to extract robust estimates of river channel elevation profiles
- State-of-the-art subgrid methods enable streams and rivers of all sizes to be modelled explicitly
- Global defence estimation model enables the impact of flood defences to be estimated where observational data is not available

Research driven, transparent and cost effective risk solutions



Format and delivery

- Flood depth in metres; categorised into depth bands if required
- Standard depth maps supplied in raster format
- Flood extent and categorised depths maps can be supplied in shapefile format
- Custom formats available on request and for GIS platform hosting

Product Roadmap

- South-East Asia available for launch in April 2014. South America by June 2014. Global coverage by end of year
- Aggregate flood risk data based on estimated economic exposure dataset to assist where lat/long coordinates are not available
- Detailed realistic disaster scenario modelling of plausible events in major cities (dam failure, tropical cyclone, tsunami)