

# GLOBAL FLOOD MAPS.

**High-quality, globally consistent  
flood data backed by leading science to  
assess flood hazard at any location worldwide.**

**Consistent analysis around the world** of river and surface water (pluvial) flooding, complemented by river flood defence data on a global scale. This enables the comparison of flood severity at different locations on an equivalent basis worldwide for more effective accumulation management, hotspot identification and portfolio planning.

**Modelled at 30m resolution,** providing the level of detail required for indicative property-level flood assessment. The maps allow the identification of low-risk and high-risk areas for improved risk selection and long-term profitability in portfolio planning and diversification.

**Get a greater insight into loss drivers** - separate river and surface water layers are available. Comparing flood claims data against the maps offers a greater insight into which flood types may be driving the majority of your losses.

**Choose your view of risk** - river defence information details areas that may be protected from flood. The maps provide an option to view river flood as defended and undefended, enabling you to consider all, some or none of the defences, in line with your risk preferences.

**Consistent view of risk across the transfer chain** when used in conjunction with our probabilistic catastrophe models or Global Flood Event Set.

## Uses

**Indicative property-level flood assessment**

**Improved insurance risk selection, pricing and underwriting**

**Exposure accumulation management and hotspot identification**

**Portfolio planning and diversification**

## Key Technical Details

**30m resolution mapping for river and surface water flooding**

**6 return periods, from 20 to 1,500 years, to support detailed risk profiles**

**Based on observed river and rainfall gauge data**

**Flood extents and depths derived by 2D hydraulic modelling and best available digital elevation data**

**Available in a range of formats either directly from JBA or via our network of resellers**

**For a true property-level view of flood hazard for improved flood assessments, we also offer higher resolution 5m mapping for the UK, Continental Europe and the US**



**JBA estimates that up to a quarter of the world's population, or around 2 billion people, will be at risk to inland flood by 2020**

*Simon Waller, Managing Director at JBA Risk Management*

## Background

Inland flood continues to pose a threat globally, with economic exposure often concentrated in areas at risk to this type of flood. Furthermore, the impact of flood is set to increase due to changes in our climate. Many global financial institutions reflect these concerns, striving for a better understanding of their current and future exposure to flood.

To date, the quality of flood data varies greatly, requiring a need for globally consistent, science-led flood maps. JBA's Global Flood Maps enable re/insurers to better understand and engage with flood hazard worldwide.

## About JBA

JBA is the global leader in flood risk management. Our flood maps, catastrophe models and analytics are used by some of the world's largest insurers, reinsurers, financial institutions, property companies and governments. We're part of one of the biggest and best global flood consultancies, employing over 500 experts who work with clients around the world. Our team is a collaboration of scientists who use their expertise to help keep us at the forefront of technical innovation.

## Get in touch

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