Detailed Event Reports
Independent and objective post-event assessment and reporting of natural catastrophes

In response to the needs of insurance and reinsurance markets worldwide, JBA Consulting, eCityRisk and the Met Office combine forces to provide clients with a series of post-event assessment and reporting capabilities.

The Companies

**JBA Risk Management** is one of Europe’s foremost risk management consultancies with a speciality in flood hazard. Its staff has technical expertise in hydrology, hydraulics, spatial analysis and risk assessment. With leading clients including several of the world’s largest re/insurers, JBA provides a range of services in relation to underwriting and accumulation analysis, including detailed post-event surveys and assessments.

The **Met Office** is a world-renowned authority on meteorology and climate. It provides objective and independent information and advice to a range of organisations globally, including the UK government, in relation to the analysis of specific meteorological events and phenomena. It has a global role in the analysis and forecasting of weather and climate data and is one of only two World Area Forecast Centres.

**eCityRisk** is a specialist provider of post-catastrophe damage assessment services for the international insurance and finance industries and is a trusted, long-standing supplier to re/insurers, brokers, cat modelling firms, banks and hedge funds. Its rapid ground-up loss estimates and detailed claims intelligence are developed using fact-based, satellite, fly-by and drive-by pictures, new media, crowd-sourcing and online databases.

What We Offer

Following an event, we provide detailed event reporting for clients who wish to access a reliable source of “what happened” information either for their own purposes or onward dissemination to a wider client base. Our service is bespoke, can be branded purely for our client if desired, and can be commissioned before, during or after an event has occurred. Typically, the services provided will include one or more of the following (expanded on overleaf):

- Data gathering
- Data analysis and interpretation
- Event perspective
- Background information
- Business interpretation

JBA
Jane Toothill
jane.toothill@jbarisk.com

Met Office
Matt Huddleston
matt.huddleston@metoffice.gov.uk

eCityRisk
Beverley Adams
bja@ecityrisk.com

JBA Head Office
South Barn
Broughton Hall
Skipton
North Yorkshire
BD23 3AE
+44 (0)1756 799919
www.jbarisk.com
Detailed Event Reports
Independent and objective post-event assessment and reporting of natural catastrophes

Typical report elements

Data gathering
- Identification of data sources in relation to hazard (rainfall, wind speed, water depth etc.) and impact (event extent, damage assessment etc.)
- Objective assessment of the relative benefit and value of the available datasets
- Identification of any aspects of the event for which data are not available
- Acquisition of satellite and aerial imagery of the impacted area
- Internet-based data research
- Finalisation of local network of contacts and data
- Gathering, formatting and preparation of data in a rational (typically database) format

Data analysis and interpretation
- Development of an expert view on data quality
- Data checking and cleaning
- Identification of any missing or erroneous data
- Development of timelines and “sequence of events” information
- Identification of links between hazard and impact

Event perspective / background information
- Assessment of chain of causality leading up to the event
- Return period estimates for the event in terms of hazard or financial parameters
- Assessment of the impact of weather, climate change and recent catchment changes on hydrology
- Provision of an independent view on the likelihood of event recurrence

Business interpretation
- Preparation of data into accessible formats for business users (e.g. Google Earth .kmz files, database summary information etc.)
- Distillation of main report findings into summary of facts relevant to business decisions
- Preparation of detailed and summary reports, as required

JBA
Jane Toothill
jane.toothill@jbarisk.com

Met Office
Matt Huddleston
matt.huddleston@metoffice.gov.uk

eCityRisk
Beverley Adams
bja@ecityrisk.com

JBA Head Office
South Barn
Broughton Hall
Skipton
North Yorkshire
BD23 3AE
+44 (0)1756 799919
www.jbarisk.com
Detailed Event Reports

Independent and objective post-event assessment and reporting of natural catastrophes

Our service is...

Fact-based
Although our services can be extended to carry out modelling work including climate, weather, hydraulic, hydrologic and damage modelling, our post-event services are primarily based on the provision and explanation of factual information. We provide fast access to the wealth of information available following a catastrophe event, filtering such information based on an independent and expert assessment of its reliability, and we extract from these datasets a synopsis of the facts that is relevant to the client’s needs.

Fast
Fly-by and satellite data can be obtained immediately following an event, allowing mobilisation of teams to begin post-cat impact analysis within 24-48 hours.

Global
Our extensive network of contacts extends throughout Europe and worldwide, giving us the capability to bring on board local experts who were present both during and immediately after events occurred.

Multi-peril
With experts in a range of natural catastrophes, we offer services following a wide variety of meteorological events including river and sea surge flooding, hurricane and typhoon, tsunami, extra-tropical windstorm, drought, freeze and wildfire.

Experienced
The past experience available among our team includes the deployment of cat response teams and post-event analysis following recent flooding in the UK (e.g. 2007), the Queensland floods, Canterbury earthquake and Tohoku earthquake and tsunami. We have experience in the provision of expert witness evidence and can provide services in relation to this if required.

Efficient
JBA, eCityRisk and the Met Office have worked together on past events and have a system and project management process in place that has proved to work efficiently and seamlessly in the short timescales involved in any post-event assessment work.