



LITTLE BLUE RESEARCH CASE STUDY

# Development of environmental indicators to support post-hazard reporting in UK overseas territories

**Client: Engineering consultancy and government advisory body**

**Client size: Two British Overseas Territories (OTs)**

Little Blue Research supported an engineering consultancy to identify post-hazard impact indicators relevant to hurricanes in the Caribbean, and developed a framework to support the integration of indicators into government processes.

**Service: Research & training**

**Capital: NATURAL | SOCIAL**

**Assessment location: Caribbean**

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# Case study details

## Client need

A government advisory body required support to develop post-hazard indicators to assess the impact of hurricanes on the built and natural environment in two British OTs. The purpose of the indicators was to feed into two frameworks to allow each country's government to help monitor changes over-time to the natural environment and support post-hazard reporting and disaster resilience. Little Blue Research undertook a framework review to identify relevant indicators in existing post-hazard impact frameworks and to highlight gaps. Little Blue Research also supported the development and review of a framework outlining short and long-term indicators and the protocols for their use.

## The challenge

- Identifying relevant post-hazard impact indicator frameworks for hurricanes in the Caribbean.
- Designing impact typologies in collaboration with an engineering consultancy for the built and natural environment to be used for identified indicators.
- Reviewing country specific frameworks.
- Grouping and categorising indicators based on topic, focus (built/natural environment) and impact being measured.
- Developing criteria to support the prioritisation of indicators for both the built and natural environment.



## Outputs and results

- ✓ Indicators grouped based on findings of the framework review.
- ✓ Framework outlining methods and results from the review.
- ✓ Built and natural environment impact typologies specific to each country.
- ✓ An overview of the applicability of indicators to each country, and guidance on the applicability of these indicators.

## What happened next

The two governments used their respective indicator frameworks to monitor changes to the natural environment and support the countries' post-hurricane hazard reporting and improve their resilience to natural disasters.



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