



# TSUNAMI

*Linking Insurance and Science*

*James Orr - Project Director*

- ▼ Introduction
- ▼ The TSUNAMI Initiative
- ▼ UK Flood Risks Project
- ▼ F.A.S.T.E.R Forms
- ▼ Summary and Appeal for Help



# TSUNAMI

*Linking Insurance and Science*

## The TSUNAMI Initiative

### ▼ Joint Venture

- UK's Department of Trade & Industry, plus
- Seven Companies from UK Insurance Industry

### ▼ Aim of Improving Competitiveness of UK Insurance Industry

- Using UK Science Base to Improve the Assessment of Risk

### ▼ Three-year Initial Phase, with Total Budget of £960,000

- Six Active Research Projects (e.g. Tropical Cyclones Forecasting)
- Promotional Activities (e.g. Workshops, Seminars and Conference)
- Facilitation (e.g. Introducing Researchers to Insurers)

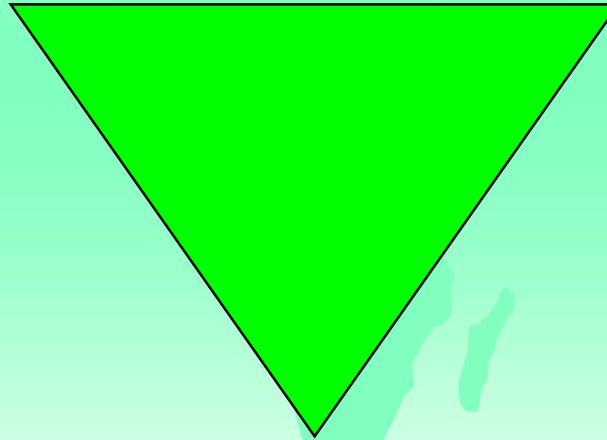
# TSUNAMI

*Linking Insurance and Science*

## Effecting Cultural Change

**SYSTEMS**

**ORGANISATIONS**



**PEOPLE**



# TSUNAMI

*Linking Insurance and Science*

## The Effects of New Knowledge/Information

### ▼ POLICY ENVIRONMENT

- Freedom of Information
- “Hazard” Register
- De-mutualisation of Risk
- Need for Managing Effects
- Need for Clear Principles
- Need for Clear Purpose

### ▼ COMMERCIAL WORLD

- Availability of Data/Models
- “Risk Models”
- Dis-aggregation of Market
- Need for Managing Effects
- Need for Clear Principles
- Need for Clear Purpose



# TSUNAMI

*Linking Insurance and Science*

## **UK Flood Risks Project**

### **▲ 15 Month Research Project**

- **Middlesex University's Flood Hazard Research Centre**
- **Southampton University's Geography Department**
- **Project Management Supported by Industry Representative**

### **▲ Coordinating with Association of British Insurers**

- **Parallel Data Quality Research by ENTEC**
- **Feeding into Interview Support Material for Industry Dialogue**
- **Ultimate Aim of Developing ABI UK Flood Risks Strategy**



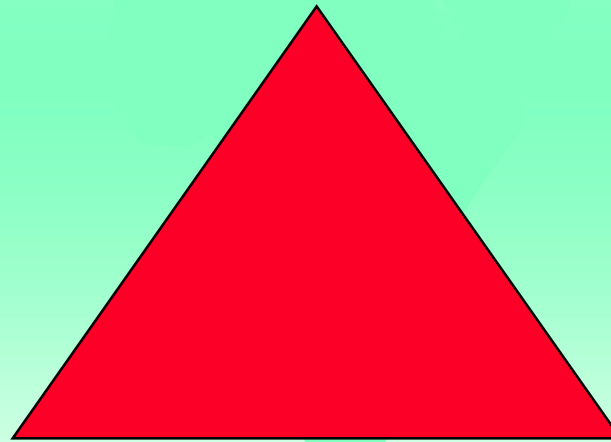
# TSUNAMI

*Linking Insurance and Science*

## UK Flood Risks Project - Elements of Risk

**HAZARD**

**VULNERABILITY**



**EXPOSURE**

# TSUNAMI

*Linking Insurance and Science*

## UK Flood Risks Project - Issues

### ▲ Hazard

- Increased Rainfall
- Rising Sea-level
- Increased Storminess

### ▲ Vulnerability

- Building Materials
- Building Standards
- Household Contents

### ▲ Exposure

- New Housing
- Increased Wealth

### ▼ Risk Data

- Indicative Flood Maps
- Dundee Flood Damage Table
- Digital Terrain Data

# TSUNAMI

*Linking Insurance and Science*

## **UK Flood Risks Project - Strategy**

- ▼ **To Manage Emergence of New Risks and New Data**
- ▼ **To Manage a Dialogue with the Insurance Industry, including**
  - **Interested Parties (e.g. DETR, MAFF, DOH)**
  - **Influential Parties (e.g. Risk Modelers, Planning Authorities)**
  - **Affected Parties (e.g. Flood Plain and Low Cost Housing Residents)**
- ▼ **To Develop a Strategy for the UK Insurance Industry**
  - **Dialogue in Confidence with Insurers**
  - **To Receive a Mandate from ABI Members**
  - **To Approach Government...**





# TSUNAMI

*Linking Insurance and Science*

## **Flood And STorm Event Report Form**

### ▼ **Challenges**

- ▲ **Dealing with Sudden Flooding Events**
- ▲ **Speeding up Claims Process - Better Service**
- ▲ **Capture More Data of a Higher Quality**

### ▼ **Solution**

- ▲ **Single Format Claims Form - Faster, Cheaper**
- ▲ **Structured Format - Capture Data to Meet Analysis Needs**
- ▲ **Completed on Site - Fax or E-mail**



# TSUNAMI

*Linking Insurance and Science*

## Summary

### ▼ Technology Transfer

- Competitiveness Challenge - TSUNAMI
- Cultural Change

### ▼ Research

- Hazard + Vulnerability + Exposure
- Understanding Needs, Identifying Principles and Purpose
- Developing Strategy in Dialogue with Industry

### ▼ Simple Competitive Solution

- FASTER Forms

### ▼ HELP!