

Managing flood risk (and other related issues!)

Sue Tapsell

15th September 2015

The Flood Hazard Research Centre

- Established in 1970
- Focus is on applied, academic and consultancy research
- PhD studentships, input into Masters programmes, Continuing Professional Development training, visiting researchers/students



FHRC Asia office in Dhaka, Bangladesh

- 30 years of local experience
- Research focus on water and floodplain management, flood protection impacts, management of floodplain fisheries and wetlands, and adaptation to climate change
- Input into MU Masters teaching programme; links with universities in Bangladesh

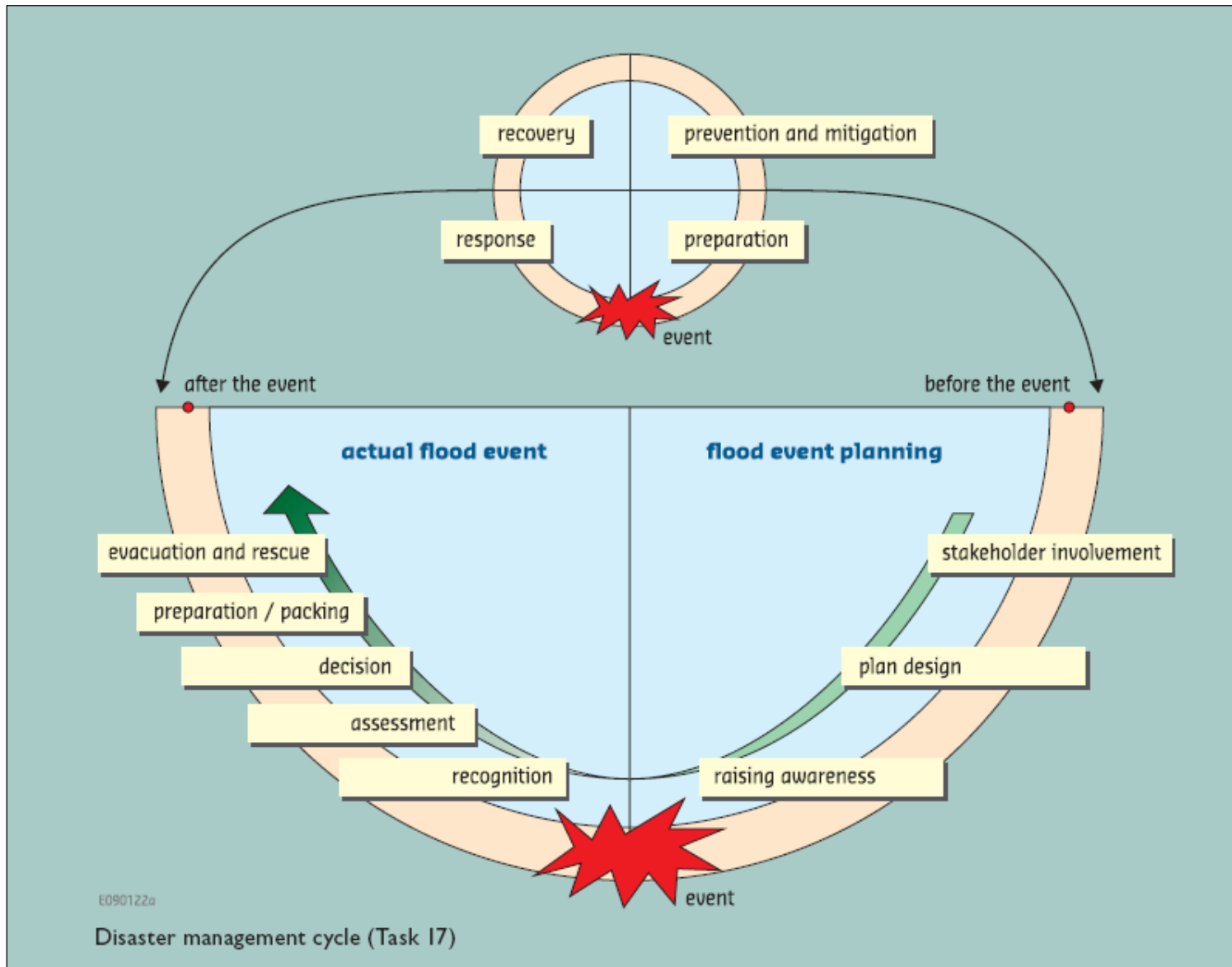


What do we do?

We specialise in the:

- *interaction between people and the water environment;*
- *socio-economic aspects of flood risk and water management;*
- *analysis and appraisal of environmental policies .*
- We aim to put the **people aspect** into research about flood risk and water management
- Develop understanding of the relations between people, water and the environment to reduce the risks from natural hazards, reduce vulnerability, promote resilience and improve policies for current and future generations
- We are interested in the environmental and societal dimensions of water management and natural hazards such as different factors of change, resilience and capacity building, adaptation to climate change, governance and decision making
- Interest in perception and communication of risk and in understanding and improving behavioural response e.g. to risk, hazards, warnings

A focus on natural hazards and disasters



Water management

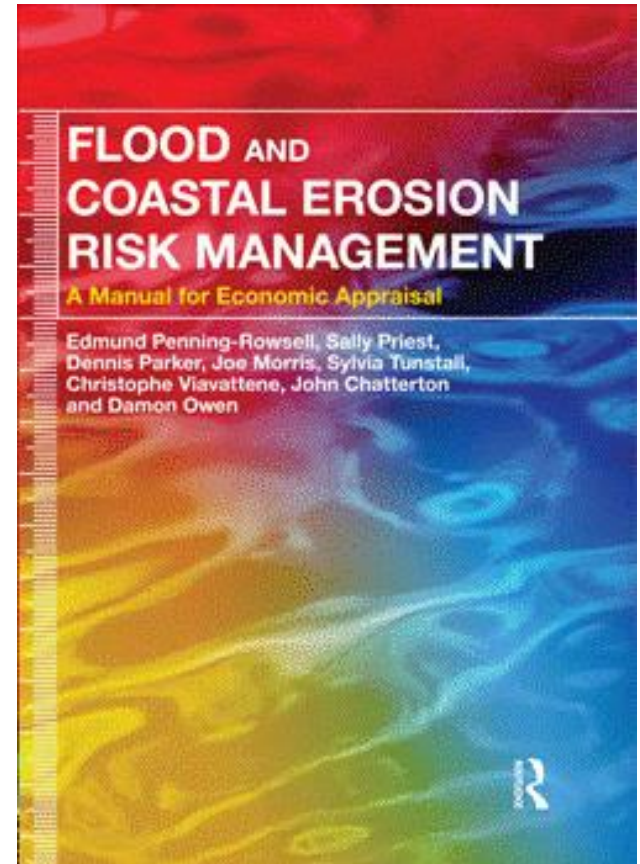


Sources and pathways of flooding, and the receptors at risk

Examples of applied research

Input into UK policy and practice:

- FHRC's *'Multi-coloured' Manual* for economic appraisal (UK industry standard for benefit assessments as part of flood and coastal erosion risk management appraisal)
- The benefits of flood warning systems and behavioural response to warnings
- Social aspects of flood risk management e.g. social justice, insurance, health impacts of floods



Who we do / have done research for

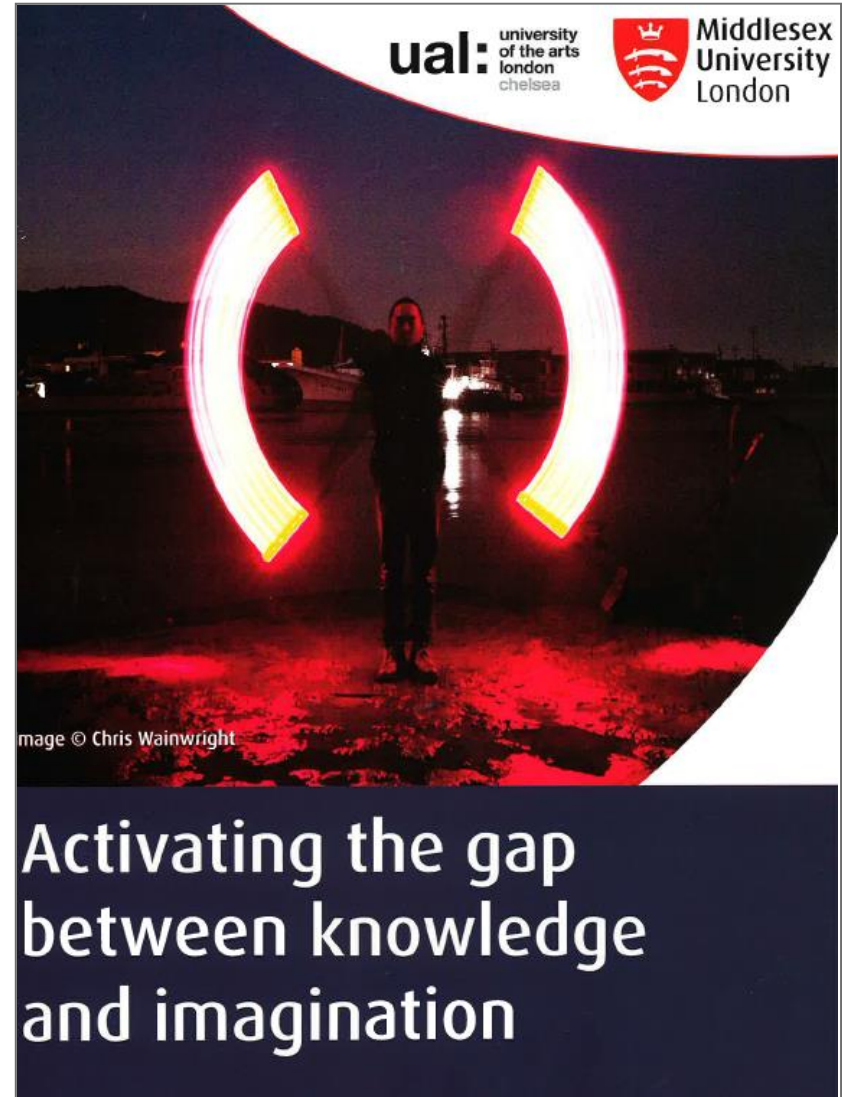
- European Commission/European Union
- UK Government departments: Defra, Environment Agency, DoH, SEPA, OPW Ireland
- UK Research Councils
- Local Authorities
- Regulatory Bodies
- Non Governmental Organisations e.g. Greenpeace
- International bodies: World Bank, UN, OECD
- Overseas governments
- Special interest groups



Activating the gap between knowledge and imagination – three joint Art and Design /SAT workshops, 2013

Explored scope for partnership between the arts and sciences towards more inclusive environmental change policy development

- **Day 1: Implementation – Simon Read**
- **Day 2: Cultural Response and its Impact on Change – Chris Wainwright (Chelsea College of Art and Design)**
- **Day 3: Stimulating community-led action to flood risk - FHRC**



Stimulating community-led action to flood risk

FHRC-led workshop, aimed to specifically:

- *Explore the **contributions** the arts can bring to meeting the current challenges of engaging communities in flood risk management*
- *Explore the **process** of how better to engage input from arts practitioners in solution-finding for stimulating community-led action to flood risk*



Future collaboration

- Follow up from workshop on stimulating community-led action to flood risk
- Interested in bringing a social science perspective and / or methodologies to other areas of research



Any questions?

