



# ***Flood Risk Management Symposium***

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# ***A Brief Overview of FRMRC***

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***On behalf of Prof. Ian Cluckie, FRMRC Chairman,  
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# *Introduction to FRMRC*

- FRMRC – 2 phases giving a 10 year programme of R&D (2002/12)
- £15.5m grant with additional industry inputs
- ~100 researchers and practitioners
- A range of topics and outputs





# FRMRC1 – Scope of Work

*Research was organised in 7 Priority Areas:*

- Land use Management
- Real time Forecasting
- Infrastructure
- Inundation Modelling
- Urban Flooding
- Stakeholders and Policy
- Geomorphology, Sediments and Habitats
- Risk and Uncertainty

## Contact Information

Programme integration  
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[www.floodrisk.org.uk](http://www.floodrisk.org.uk)



## Objectives

- The establishment of a programme of "cutting edge" research to enhance flood risk management practice worldwide
- The integration of activities from each research priority area to ensure cross fertilisation of ideas throughout the programme
- The dissemination of the research findings through proof-of-concept application at selected case study sites
- The short term delivery of tools and techniques to support improved flood risk management in the UK
- The development and training of the next generation of flood risk management professionals through dissemination of the consortium's research.



[www.floodrisk.org.uk](http://www.floodrisk.org.uk)



## Aim

The aim of the flood risk management consortium is to undertake research that will enhance delivery of effective flood risk management.



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## ***FRMRC2 – Scope of Work***

Research was organised into 5 super Work Packages:

1. Catchment Inundation Modelling
2. Coastal Inundation Modelling
3. Urban Flood Modelling
4. Infrastructure
5. Land Use Management



# *Other international R&D (examples)*

## **EC – Floodsite**

[www.floodsite.net](http://www.floodsite.net)

- **1** Sources of floods
- **2** Pathways and receptors
- **3** Integrated frameworks of management (Long term to emergency planning)

## **Dutch R&D**

[www.enwinfo.nl](http://www.enwinfo.nl)

- Defence asset management (inspections, design and assessment)
- Acceptable risk

## **US Army Corp**

[www.edrc.usace.mil](http://www.edrc.usace.mil)

- Flood and coastal systems (supporting HEC models)
- Overtopping and detailed processes
- New risk management centre

## **UK –EA Programme**

[www.evidence.environment-](http://www.evidence.environment-)

- Sustainable Asset Managements
- Strategic planning
- Emergency management and communication
- Modelling and risk



## *Session programme*

- Land use, sediment and flood risk - **Colin**
- Infrastructure management: Asset performance and making robust investment choices - **Paul**
- Outputs and outcomes - **Colin**