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**Community Resilience  
to Extreme Weather**

- Thanks to all delegates for your inputs throughout – please keep in touch and help us
  - deliver outputs and tools that are useful and effective
  - generate new ideas for delivering strategic ‘extreme weather’ information to stakeholders
  - forge links and widen the current network of professionals operating in this important field
  - 2011 Autumn Final project conference
- Thanks to our advisors and stakeholder champions for comments and advice
- Many thanks to UCL and Cranfield teams

# Outline of the day

10:00 – 11.15	CREW project presentations: Modelling and Mapping Open Discussion ( <i>Chadwick Lecture Theatre</i> )
11:15 – 11:30	Coffee break ( <i>Wilkins Garden Room</i> )
11:30 – 12:30	CREW project presentations: Impacts and Consequences Open Discussion ( <i>Chadwick Lecture Theatre</i> )
12:30 – 13:30	Networking lunch and posters ( <i>Wilkins South Cloisters</i> )
13:30 – 14:30	Thematic sessions – three breakout workshops: <ul style="list-style-type: none"> <li>★ Web-based tools for mapping and evaluating impacts of future extreme weather events (EWEs) (<i>Wilkins Haldane Room</i>)</li> <li>★ Technical solutions for improving local-community resilience (<i>Wilkins Garden Room</i>)</li> <li>★ Opportunities and limitations for uptake of community coping strategies and implications for governance and decision-making (<i>Chadwick Lecture Theatre</i>)</li> </ul>
14.30 – 14.45	Coffee break ( <i>Wilkins South Cloisters</i> )
14:45 - 16:00	Closing Plenary: ( <i>Chadwick Lecture Theatre</i> ) <ul style="list-style-type: none"> <li>• Workshop feedback</li> <li>• Stakeholder responses</li> <li>• Closing comments</li> </ul>

# CREW – Next Steps

The CREW project will continue to seek to:

- understand the impacts of extreme weather events on local communities
- study the relationships between community groups and understand the opportunities and barriers to resilience
- evaluate a range of technical and adaptive measures for reducing vulnerability to extreme weather
- develop web-based decision support tools

6,538	1.22	0.24	1.03
31,112	3.28	2.56	2.93
8,943	1.68	0.84	1.55
23,055	5.29		
78,320	0.87		
15,245	1.31		
39,393			
22,387			
6,799			
12			
15			
52			
10			
10			
29			
66			
4			0.93
7			2.56

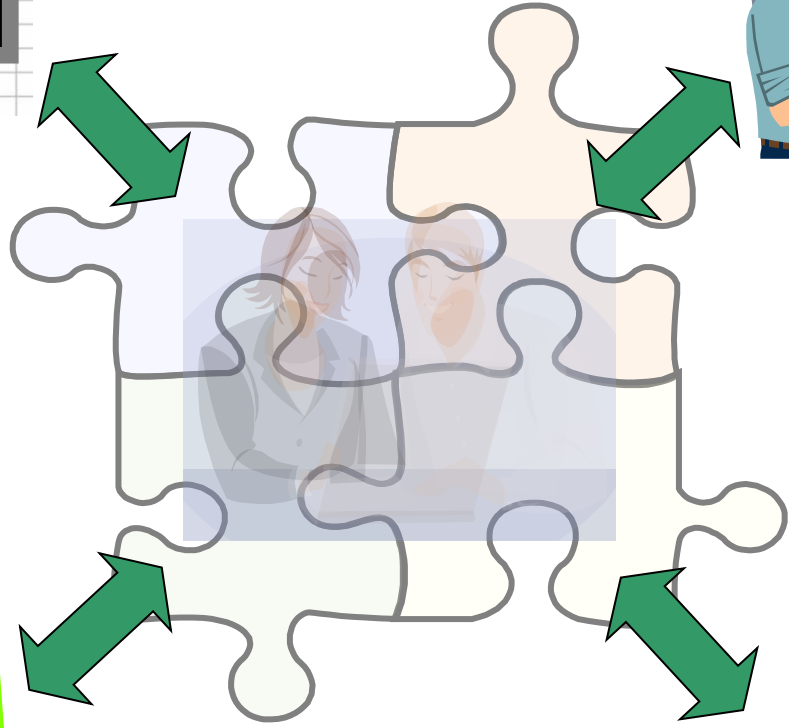
SUBSIDENCE

HEATWAVE

FLOOD



Now - 2050



## Key Dissemination To-Date

### Article title

### Publication

Briefing: Heat wave coping measures for housing. Porritt, S., Goodier, C. I., and Shao, L.	Proceedings of the Institution of Civil Engineers: Energy. Vol.162(3) pp 101-103, 2009
Adapting UK dwellings for heat waves. Porritt, S.M., Shao, L., Cropper, P.C. and Goodier, C.I.	Health Protection Agency Chemical Hazards and Poisons Report. Vol.16 pp 48-50, 2010
Occupancy patterns and their affect on interventions to reduce overheating in dwellings during heat waves. Porritt, S.M., Shao, L., Cropper, P.C. and Goodier, C.I.	Proceedings of Conference: Adapting to Change: New Thinking on Comfort. Network for Comfort and Energy Use in Buildings, Windsor, April 2010.
The integration of wind storm considerations into resilience modelling. Baker, C.J., Quinn, J., Thornes, J.	9th UK Conference on Wind Engineering, Bristol, 20-22 September 2010.
The CREW project: Towards a toolkit for the use of probabilistic climate change projections. Blenkinsop, S., Hallett, S., Truckell, I., Fowler, H.J.	BHS Third International Symposium, Role of Hydrology in Managing Consequences of a Changing Global Environment, Newcastle upon Tyne, 19-23 July 2010.
The 'Community Resilience to Extreme Weather' (CREW) project and pluvial flood modelling. Chen, A. S., Djordjević, S., Fowler, H. J., Burton, A., Walsh, C., Harvey, H., Hall, J., Dawson, R., Wood, G.	Flood and Coastal Management Conference 2009, Telford on 29 June – 2 July 2009.
Stochastic rainfall modelling for the assessment of urban flood hazard in a changing climate. Burton, A., Glenis, V., Bovolo, C.I., Blenkinsop, S, Fowler, H.J., Chen, A.S., Djordjevic, S, and Kilsby, C.G.	BHS Third International Symposium, Role of Hydrology in Managing Consequences of a Changing Global Environment, Newcastle upon Tyne, 19-23 July 2010.

# CREW Project Significance

- The CREW project represents:
  - Linking of ‘physical vulnerability assessment’ and ‘coping capacity’
  - A coherent risk assessment framework
  - Applicable to range of stakeholders
  - Development of pragmatic and practical toolkits
- This method is eminently applicable to other regions