



## **Presentation Summaries: Use of UKCP09/18: Reflections from Northern Ireland Practitioners**

### **Energy Modelling of Domestic Buildings**

***Dr Teresa McGrath, Queen's University Belfast***

#### Outline of key messages from your presentation:

1. Domestic buildings source of 25% of GHG emissions
2. Need widespread energy efficiency measures
3. Energy consumption and internal comfort impacted by changing climate
4. MET projections can be used to assess risk of overheating and likely reduction in energy use
5. Use these risks to design climate resilient energy efficiency measures

#### Take away messages for audience

1. 60-80% of the houses that will be standing in 2050 are standing today. Slow turnover of housing stock (low demolition rates & new build rates).
2. We need extensive upgrades to reduce greenhouse gas emissions and fuel poverty but don't want to lock-in measures that will result in overheating/poor energy performance

### **Belfast Tidal Study**

***Alan Reddick, Department for Infrastructure***

#### Outline of key messages from your presentation:

1. Use of UKCP09 data for existing flood risk predictions
2. Application of climate change allowances for fluvial and coastal flood risk management
3. Technical Guidance for Climate Change in flood risk management.

#### Take away messages for audience

UKCP09 basis for Climate Change allowances for the management of flood risk in NI, therefore, UKCP18 represents an update to the research and will be reviewed to ensure the climate change allowances for flood risk management are robust and as accurate as possible.

### **Resilient Belfast**

***Grainia Long, Belfast Commissioner for Resilience***

*Information unavailable*

**CLIMATE Project: Local Authority Adaptation Planning**  
***Cathy Burns, Derry City and Strabane District Council***

Outline of key messages from your presentation:

1. About the CLIMATE Project
2. Development of Adaptation Planning Model and Support Tools
3. How to apply climate data in the adaptation planning process – practical application in DCSDC
4. Application of climate projections in communication & engagement – to raise awareness of the future vulnerability of the region to the effects of climate change
5. Application of climate data to influence policy and planning change

Take away messages for audience

1. Climate Projection data is a vital tool to understand future vulnerability and risks from climate change for local authorities – this enables informed adaptation action planning to take place
2. Climate Projection data provides the credible evidence to raise awareness of climate change in order to persuade stakeholders and create behavioural and policy change.

**Lakeland Dairies – First steps in adaptation**  
***Ed Wright, Lakeland Dairies***

Outline of key messages from your presentation:

1. Adaptation is a risk management/business continuity issue
2. Generic continuity adaptation advice is important. However...
3. Deeper sector specific/location specific adaptation measures are necessary
4. UKCP18 when used in conjunction with other tools can facilitate this

Take away messages for audience

1. To be most effective adaptation has to be very local
2. UKCP18 provides the necessary detail for local actions, its value is strengthened when used in conjunction with other tools e.g. LiDAR (Light Detection and Ranging)