

# Workshop for providers of climate-related services

Aeonian, 108 Cannon Street, London

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# CIBSE – Membership Organisation

Over 20,000 members, mainly building services engineers but increasingly from other backgrounds

Providers of technical guidance and environmental data for designing of building mechanical and passive systems:

- Focus on energy and thermal comfort
- Hourly weather files for performance analysis of buildings
- Current, based on Met Office observations and
- Future, based on UK Climate Projections



# Market Opportunities

## Making the case for alternative energy sources

Weather/climate information for renewable energy sources, e.g. solar, wind ground surface temperatures for solar, wind and ground source technologies

Energy demand/supply vulnerability studies

## Current dependency on Met Office observations

Gaps, inconsistencies, changing stations and variables measured – require significant resources for “sanitising” data



Use of synthetic data, e.g. UKCP09 Weather Generator to generate weather sequences appropriate for various design tasks

# Public funding

Should be able to support the provision of appropriate climate information were policies depend on it

Case study:

Climate Change Adaptation Strategy for London

GLA funded the creation of weather files that incorporate the Urban Heat Island effect to allow for the adaptation of new and refurbished buildings to higher urban temperatures

The use of the above files is a requirement specified in the climate change adaptation strategy for London as part of the London Plan



# Knowledge Exchange Networks

Important in raising awareness on the availability of new resources and relevant research outputs

Case study:

Adaptation and Resilience in the Context of Change Network

Collaborated with the TSB in identifying and raising awareness of available weather datasets, output of EPSRC funded research, to be used by the Design for Future Climate nominated projects

