

# Glasgow Caledonian University

Dr Craig Thomson

School of the Built and Natural Environment

NEES Kick Off Meeting

Cork

07/06/11



# School of the Built and Natural Environment

- Largest student numbers for Built Environment in Scotland
- 2<sup>nd</sup> highest UK RAE rating in 2008 in Scotland for Built Environment
- Host to a number of Centres promoting Scottish Construction Industry (ERDF funded)
- Merging into the new School of Engineering and the Built Environment
- Centre for Energy and the Built Environment
  - Director Dr Rohinton Emmanuel
- Sustainable Urban Environment Research Group

# Contributing to NEES

- Dr Rohinton Emmanuel
  - Reader in Sustainable Design and Construction
- Dr Craig Thomson
  - Research Fellow in Sustainable Built Environments
- Dr Keith Baker
  - Research Fellow in Sustainable Urban Environments
- Able to draw on other experts in Energy, Carbon and Materials (e.g. RICH Centre)

# SUE-Research Group

Generating a rich understanding of environmental and social consequences of urban growth and assessing these to create liveable and sustainable cities and places

## **Physical Environment**

Urban Climate; Energy use and its climate/QoL consequences;  
Urban Green Space

## **Social**

Community safety and design  
Role of Civil Society Organisations in changing behaviour  
Engaging communities on environments health connections

## **Assessment**

Toolkits and Next generation assessment regimes  
Sustainable materials and selection criteria  
Carbon accounting & management

# Work package 2 (lead)

- Determining products, processes, services, opportunities and barriers
  - Develop a set of headline indicators based on triple bottom line criteria
  - Survey of each partner region and conduct SWOT analysis
  - Survey of existing awareness, opportunities and barriers to market of each region and conduct SWOT analysis
  - Development of best practice criteria (to identify 2-3 examples for WP3 and WP4)

# Experience in this area

- UK EPSRC funded project SUE-MoT (Sustainable Urban Environments- Metrics, Models and Toolkits)
- InteReg projects BATFARM and PILLS
- Sustainable materials selection criteria based on BioRegional Principles
  - for project on Isle of Eigg
  - with Irvine Housing Association
- Environmental Chamber for testing
- Carbon Accounting & Management
- Dr Paul Baker and work with Historic Scotland

# Scottish Associate Partners



Roger Curtis  
Head of Technical Research



Frank Boyle  
Development Officer