

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
- 2nd 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