

UNIVERSITIES AND COLLEGES CLIMATE COMMITMENT FOR SCOTLAND (UCCCFs)



Sustainable Construction: Topic Support Network

10am – 3pm Wednesday 8th August, 2012

Room 2.01, Postgraduate Centre, Gait 2, Heriot-Watt University, Riccarton EH14 4AS

This free event will focus on [Soft Landings](#) tools and techniques for improving the commissioning and handover process for new build and refurbishment projects. The event is being hosted by Heriot-Watt University and will include an update on the Scottish Government's [Zero Waste Scotland](#) campaign to promote the [Construction Commitment: Halving Waste to Landfill](#).

This interactive workshop will be of special interest to Directors of Estates and of Procurement, responsible for bringing their estate into the 21st century and to Estates Development and Facilities Management staff seeking tools for getting major capital projects working "right first time".

Agenda

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| 10.00 - 10.30 | Registration and refreshments |
| 10.30 - 10.45 | Welcomes and Introductions
<i>David Somervell, Sustainability Adviser, University of Edinburgh</i> |
| 10.45 – 11.15 | Tackling the Low Carbon Estate challenge – student homes on campus
<i>Gary Clark, Project Director, Riccarton Eco-Village and Living Laboratory</i> |
| 11.15 – 11.45 | Construction Commitment: halving waste to landfill – an update
<i>Rupert Carrick, Zero Waste Scotland</i> |
| 11.45 – 12.30 | Discussion on how to meet targets and report waste arisings to HESA |
| 12.30 – 13.15 | Lunch |
| 13.15 – 14.45 | Soft Landing Frameworks – a review of the concept and the tools available
<i>Gary Clark, Heriot-Watt University, Chair of BSRIA Soft Landings User Group</i> |
| 14.45 – 15.00 | Convener's summary, ideas for topics for next event and Close |

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Soft Landings mean designers and constructors staying involved with buildings beyond practical completion. This assists the client during the first months of operation and beyond, to help fine-tune and de-bug the systems, and ensure the occupiers understand how to control and best use their buildings. Soft Landings documentation extends the duties of the team during handover and the first three years of occupation:



Stage 1: Inception and briefing

More time for constructive dialogue between the designer, constructor and client

Stage 2: Design development and review

The entire project team review insights from comparable projects and detail how the building will work from the point of view of the manager and individual user

Stage 3: Pre-handover

Enables operators to spend more time on understanding interfaces & systems before occupation

Stage 4: Initial aftercare

Involvement of the client, design and building team benefiting from lessons learned

Stage 5: Years 1 - 3 extended after care and Post Occupancy Evaluation

Complete virtuous circle for next projects, closing loop between design expectation and reality.

Soft Landings guidance

BSRIA has published a range of free guidance to help companies understand the Soft Landings process and implement it successfully for new and refurbished buildings:

[Soft Landings core principles](#) ****New** March 2012** Package of principles that should be adopted in their entirety in order for a construction project to be deemed a true Soft Landings project.

[Soft Landings framework](#) The Soft Landings Framework includes all the procedures for applying Soft Landings, plus checklists and generic work plans (simple registration required to download).

[Soft Landings for Schools](#) Case study publication on how Soft Landings have been carried out on the UK schools rebuilding programme. Detailed report available from www.usablebuildings.co.uk.

[BREEAM New Construction & Soft Landings](#) Where the Soft Landings Framework is referenced in BREEAM New Construction requirements, and assists in meeting a number of BREEAM credits.

[Introduction to Soft Landings](#) Introduction to the concept and how it benefits construction projects

[Soft Landings in detail](#) More detail about the problems Soft Landings addresses, the components involved for a successful project and case study examples.

Gary Clark is an architect with a passion for creating architecture that is both contemporary and ecological. He believes that to achieve a sustainable architecture a continual knowledge transfer between practice, research and teaching is required. After studying at Aberdeen and Cambridge, Gary taught ecological design at Cambridge, Robert Gordon's and Edinburgh Universities.

In addition to lecturing, Gary was involved in environmental research projects through the nineties. He conducted Adaptive Comfort Research with Oxford Brookes University, and Ventilation Research with the Martin Centre at Cambridge University.

In 1998 Gary joined Hopkins Architects as a project director / in-house environmental consultant. While there he designed The Forum in Norwich – a £25 million civic library and multi-media centre. Gary returned to Scotland in 2005 to join JM Architects and then joined Bennetts Associates' Edinburgh office in 2006. Gary was Associate



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Architect with Atkins in Glasgow during 2010 where he led the design of the £300m City of Glasgow College new campus.

Appointed Director for the Riccarton Eco-village and Living Laboratory in 2011 he is a BREEAM and LEED assessor and Chairman of Usable Buildings Trust & BSRIA Soft Landings User Group.

