

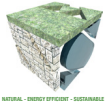
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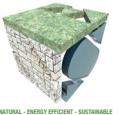
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# Sustainable Building Materials Scotland

18th March 2014, 9am-5pm  
Eden Court, Inverness



A free exhibition and conference for producers and users of sustainable building materials, and anyone who would like to find out more about them.



Architecture+DesignScotland  
Altearachd is Dealbhach na h-Àba

NATURAL - ENERGY EFFICIENT - SUSTAINABLE

# Welcome

Sustainable Building Materials Scotland is a free event where you can learn about the benefits of using locally and sustainably sourced materials whether you're a commercial client or wanting to build or improve your own home

- Meet with leading producers and users of sustainable building materials from Scotland and Northern Europe
- Hear from experts about the benefits of using sustainable building materials
- Learn how you can use sustainable building products to improve your homes and developments
- Book one on one meetings with exhibitors (registration needed)

A limited number of free stall spaces are still available. If you are interested in exhibiting please contact us.

## Registration

The event is free and open to the public so you don't need to register in advance.

However if you would like to book a meeting with any of the exhibitors or request a free stall please use the form at the end of this brochure, which can also be downloaded in Word format from [www.sustainablebuildingmaterials.org](http://www.sustainablebuildingmaterials.org)

If you have an other enquiries please email [keith.baker@gcu.ac.uk](mailto:keith.baker@gcu.ac.uk)

We look forward to meeting you.

# Programme

The event consists of an exhibition and two parallel seminar sessions, including a matchmaking session where you can book meetings with exhibitors (advance booking needed) and a workshop where you will have the opportunity to contribute to research being conducted by Glasgow Caledonian University.

Time/Venue	Exhibition space	Session 1 - Best Practice in Sustainable Building Materials <i>The Chapel</i>	Session 2 - Growing the market for Sustainable Materials <i>SGL Board Room</i>
09.00 - 09.30	Registration for exhibitors		
09.30 - 10.00	Exhibition opens to the public. Welcome address from the NEES Project, GCU.		
10.00 - 10.30		Sita Goudie - Enviroglass	Gary Newman - Alliance for Sustainable Building Products - The need to develop standards for measuring embodied impact
10.30 - 11.00		Feidhlim Harty - Wetland Systems	Tom Woolley - Rachel Bevan Architects - Why should we build with natural, low impact, renewable building materials in Northern Europe
11.00 - 12.00		Chris Morgan - Locate Architects	Sue Roaf - Initiative for Carbon Accounting (ICARB) - Designing for Thermal Mass: Why and How
12.00 - 12.30		Neil Sutherland - Makar	Lori McElroy - Architecture and Design Scotland - Introducing the A+DS Materials Library
12.30 - 13.30	Lunch		
13.30 - 14.30	Meetings with exhibitors - advance booking needed		
14.30 - 15.00		John Egan - Ecocel	Ross Cairns - Chartered Institute of Architectural Technologists & Inverness College - An Overview of the present selection of Sustainable Materials in Architectural Design
15.00 - 15.30		Mary Roslin - Ecological Architecture	The NEES Project - GCU - Workshop: Growing the market for sustainable building materials
15.30 - 16.00		Richard Atkins - Atkins Architects	John Easton - SUSTaim - Carbon accounting for sustainable building materials
16.00 - 16.30	Plenary session - The Chapel - Panel discussion chaired by Rohinton Emmanuel, The NEES Project, Glasgow Caledonian University		
16.30 - 17.00	Networking and close		

# Speakers



**Richard Atkins** is an Architect specialising in environmentally responsible construction and a PhD Research Student at GCU. He has been responsible for developing training and guidance for the RIAS and has extensive knowledge of technical standards, building assessment procedures, and energy modelling.



**Keith Baker** is a Research Associate with the NEES Project at Glasgow Caledonian University and a founder member of the Initiative for Carbon Accounting (ICARB). He has a PhD in Domestic Energy Consumption and a background in carbon accounting and science and technology policy.



**Ross Cairns** is Programme Leader for Architectural Technology at the University of the Highlands and Islands, and is based at Inverness College. He has significant professional and academic experience in the impact of construction, use of natural materials and the promotion of the built environment in a sustainable and managed way.



**John Easton** is Director of SUSTaim, a private limited company he formed in 2008. SUSTaim's services are informed by 30 years of experience in commercial private practice involving the design and implementation of over 70 building and masterplanning projects to a total construction value in excess of £600M.



**John Egan** is Director of EcoCel a wholly owned Irish company that manufactures EcoCel Cellulose Insulation from recycled newspapers to generate a non-toxic, fire retardant insulation product.



**Rohinton Emmanuel** is a Reader in Sustainable Design and Construction. At Glasgow Caledonian University As an Architect with urban design interests, he has pioneered the inquiry of urban climate change in tropical, arid and temperate cities, and works on climate, energy and environment sensitive urban design.



**Sita Goudie** is the Environmental Improvement Officer at the Shetland Amenity Trust. As part of her role she manages Enviroglass, a social enterprise which was established to find a financially viable recycling route for Shetland's waste glass. The innovative glasscast products they developed have been used in a range of projects throughout the UK



**Feidhlim Harty** is Director of FH Wetland Systems Ltd. an environmental consultancy company based in Ennis, Co. Clare in the west of Ireland. He specialises in designing and planting constructed wetlands, reed beds, zero discharge willow facilities and other natural sewage treatment systems, as well as stormwater wetland design, wetland habitat creation and consultancy and other areas of environmental protection and enhancement.



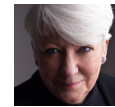
**Lori McElroy** is Programme Director for SUST at Architecture and Design Scotland (A+DS). Lori is the Past-Chairman of the Chartered Institution of Building Services Engineers (CIBSE) in Scotland, and is a Board Member and Secretary of the International Building Performance Simulation Association.



**Chris Morgan** is the Principal of Locate Architects, and is one of only five RIAS advanced accredited Architects in Sustainable Design in Scotland, and is a Past-Chair of the Scottish Ecological Design Association. He has over 20 years experience and is recognised as one of the leading Ecological Architects in the UK.



**Gary Newman** is Director of Plant Fibre Technology Ltd, a company focused on the technical development of bio-based materials and CEO of the Alliance for Sustainable Building Products. He has over 15 years experience in the development, manufacturing and marketing of natural fibre geotextiles and natural insulation products.



**Sue Roof** is Professor of Architecture at Heriot-Watt University and Founder of the Initiative for Carbon Accounting (ICARB). She is best known as the designer of the Oxford Ecohouse which was the first UK building with an integrated photovoltaic roof, and as author of the Ecohouse series of books on low carbon building design.



**Mary Roslin** is a Chartered Architect at Ecological Architecture and a recognised expert in sustainable building design. Along with her business partner, Sue Manning, she has been researching, teaching and practicing ecological design since the 1980's.



**Neil Sutherland** is owner and Managing Director of MAKAR an organisation concerned with the design and delivery of high quality buildings and places. MAKAR is based on the edge of Inverness, and presently employs 25 people and delivers around 20 houses per year. His background, training and experience covers Mechanical and Production Engineering, Architecture and Land Management.



**Craig Thomson** is a Lecturer in Sustainability and the Built Environment at Glasgow Caledonian University. He has extensive expertise in sustainability assessment; sustainability management; sustainability as a driver for innovation; and in the promotion of learning amongst practitioners.



**Tom Woolley** is an Architect based at Rachel Bevan Architects, Northern Ireland, and a recognised expert in sustainable design. He is a former Professor of Architecture at Queens University, Belfast, and Editor of the award-winning Green Building Digest.

# Exhibitors



## Anu Green

Cork, Ireland

Anu Green is Ireland's only specialist green roof company. They work on projects from start to finish, providing all aspects of project services from consultation to implementation, and the long term maintenance of the green roof. Their goal is to maximize the ecological benefits of their client's green roofs within the context of the site and the project. For some this means designing a roof that maximizes stormwater attenuation, for others it means maximizing energy efficiency, ecological diversity or waste diversion. All of these possible benefits and more are closely examined in the design stage and are maintained throughout the installation.

Website: [www.anugreendesigns.com](http://www.anugreendesigns.com)



## Atkins Architecture

Tranent, Scotland

Atkins Architecture was founded by the award-winning architect Richard Atkins and specialises in environmentally-responsible architecture. Richard's projects include the retrofitting of the Norton Park office and conference centre, Edinburgh, and the Tullis Russell Environmental Education Centre (T.R.E.E.), Markinch.

Website: [www.atkins-architecture.co.uk](http://www.atkins-architecture.co.uk)



## Ecocel

Cork, Ireland

Ecocel is a owned Irish company that manufacture Ecocel Cellulose Insulation for the Irish home market. Our product is made from Recycled newspapers to generate a non-toxic, fire retardant insulation product. Ecocel Cellulose acts as an effective protective shield to reduce the transmission of heat or sound and is suitable for insulation of timber frame walls, attics and lofts.

Website: [www.ecocel.ie](http://www.ecocel.ie)



## Ecological Architecture

Tombreck & Wemyss Bay, Scotland

Ecological Architecture was founded in 2008 by Sue Manning and Mary Roslin, who have been researching, teaching and practicing ecological architecture since the mid 1980's. They have designed and built a variety of innovative and sustainable buildings, including the Big Shed at Tombreck, which won the Carbon Trust's Low Carbon Building Award for 2013.

Website: [www.ecological-architecture.co.uk](http://www.ecological-architecture.co.uk)



## Enviroglass

Shetland, Scotland

Enviroglass provides a local, financially viable, recycling route for Shetland's waste glass, which it turns into a range of value-added products. By processing the glass in Shetland, Enviroglass makes the isles a more self sufficient community and adds value to the local economy. Profits are reinvested into projects which protect and enhance Shetland's unique environment. There is also an active education programme.

Website: [www.enviroglass.co.uk](http://www.enviroglass.co.uk)



## FH Wetland Systems

Tranent, Scotland

Ennis, Co. Clare, Ireland

FH Wetland Systems Ltd. is an environmental consultancy based in Co. Clare which specialises in the design and planting of constructed wetlands, reed beds and zero discharge willow facilities. Since starting the business in 1996 the team have also been involved in a wide range of other environmental work, including wetland habitat creation and restoration projects and edible landscaping projects.

Website: [www.wetlandsystems.ie](http://www.wetlandsystems.ie)



## Locate Architects

Dunblane, Scotland

Locate Architects was founded in 2004 by Chris Morgan, who is one of only five RIAS advanced accredited Architects in Sustainable design in Scotland. Locate's approach reflects a desire to locate buildings more fully into their surroundings, environment, and local culture so that they 'belong' as few modern buildings now seem to do.

Website: [www.locatearchitects.co.uk](http://www.locatearchitects.co.uk)



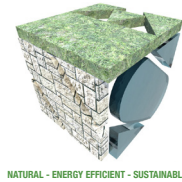
## Makar

Inverness, Scotland

MAKAR specialise in the use of local Scottish timber and use natural materials to make energy efficient buildings that are as appropriate to client needs as they are to the surrounding landscape. To date MAKAR have completed more than 60 buildings throughout Scotland. MAKAR now manufactures their own natural structural insulated closed panels from their bespoke workshop. Using this closed panel system, a MAKAR house can now arrive on site and be constructed to wind and watertight within an average of 3 days.

Website: [www.makar.co.uk](http://www.makar.co.uk)

# Sponsors



## The Alliance for Sustainable Building Products

The Alliance for Sustainable Building Products is a cross sector, not for profit organisation, comprising, building product manufacturers and distributors, specifiers, designers, contractors, public interest and sustainability organisations, academics and other building practitioners.

The ASBP is committed to accelerating the transition to a high performance, healthy and low carbon built environment by championing the increased understanding and use of building products that meet demonstrably high standards of sustainability.

Website: [www.asbp.org.uk](http://www.asbp.org.uk)



## The Natural Energy Efficiency and Sustainability (NEES) Project

The Natural Energy Efficiency and Sustainability (NEES) Project is a partnership of eight agencies in five different European regions (Scotland, Ireland, Northern Ireland, Sweden and Greenland) led by the Cork Centre for Architectural Education, University College Cork. The project is funded by the European Union's Northern Periphery Programme and includes universities, building research centres, social enterprises, social housing organisations and regional development partnerships.

In Scotland the project is led by the Sustainable Urban Environments Research Group at Glasgow Caledonian University.

Website: [www.neesonline.org](http://www.neesonline.org) / [www.sustainablebuildingmaterials.org](http://www.sustainablebuildingmaterials.org)



## Architecture and Design Scotland

Architecture and Design Scotland is Scotland's champion for excellence in architecture, placemaking and planning. We celebrate good architecture and design and work with a range of communities to shape the places we all value.

A+DS delivers its work through encouraging and inspiring the public to get involved with architecture through exhibitions, events and workshops, it offers informed advice to those responsible for the development of our places, and promotes sustainable approaches to building and placemaking.

Website: [www.ads.org.uk](http://www.ads.org.uk)

## Sustainable Urban Environments Research Group

Glasgow Caledonian University

The Sustainable Urban Environments Research Group (SUE-RG) is part of the School of Engineering and the Built Environment, Glasgow Caledonian University. The SUE-RG team conduct a wide range of research to improve the whole-life sustainability performance of the built environment, from design to demolition and eventual re-use, at scales ranging from individual buildings to neighbourhoods and cities

Website: [www.gcu.ac.uk/ebe/research/researchgroups/sustainabilityinthebuiltenvironment/sustainableurbanenvironments/](http://www.gcu.ac.uk/ebe/research/researchgroups/sustainabilityinthebuiltenvironment/sustainableurbanenvironments/)



## The Royal Incorporation of Architects in Scotland

The RIAS was founded in 1916 as the professional body for all chartered architects in Scotland and is the foremost institute in the country dealing with architecture and the built environment.

Website: [www.rias.org.uk](http://www.rias.org.uk)



## Chartered Institute of Architectural Technologists

The Chartered Institute of Architectural Technologists (CIAT) is the lead qualifying body for Architectural Technology and represents those practising and studying within the discipline. CIAT qualifies Chartered Architectural Technologists, MCIAT, and professionally qualified Architectural Technicians, TCIAT.

Website: [www.ciat.org.uk](http://www.ciat.org.uk)

# Sponsors



## The Initiative for Carbon Accounting (ICARB)

The Initiative for Carbon Accounting (ICARB) is a unique voluntary organisation bringing together academics, practitioners and decision makers to promote and encourage appropriate and robust carbon accounting to facilitate the reduction of carbon emissions across Scotland and globally.

Website: [www.icarb.org](http://www.icarb.org)



## The University of the Highlands and Islands, Inverness College

Inverness College UHI is the largest partner of the University of the Highlands and Islands (UHI) together with 12 other colleges and internationally renowned research centres. It has one of the widest ranging curricula in Scotland catering for over 6,500 full-time and part-time students studying a wide variety of qualifications from a national certificate to a post graduate degree.

Website: [www.inverness.uhi.ac.uk](http://www.inverness.uhi.ac.uk)

# Registration form

Please note: You do not need to register in advance unless you would like to book a stall or a meeting with an exhibitor. Lunch will be provided with priority for exhibitors.

Name: \_\_\_\_\_

Company / organisation (if applicable): \_\_\_\_\_

I would like to book a meeting with the following:

- |  |   |
|--|---|
| <input type="checkbox"/> Anu Green               | <input type="checkbox"/> Enviroglass        |
| <input type="checkbox"/> Atkins Architecture     | <input type="checkbox"/> FH Wetland Systems |
| <input type="checkbox"/> Ecocel                  | <input type="checkbox"/> Locate Architects  |
| <input type="checkbox"/> Ecological Architecture | <input type="checkbox"/> Makar              |

I would like to book a stall: Yes / No

If you have any other enquiries please let us know here:

Please return this form by email or post to the addresses below to arrive no later than Wednesday 12th March.

### Dr Keith Baker

The NEES Project

School of Engineering and the Built Environment

Glasgow Caledonian University

Cowcaddens Road, Glasgow G4 0BA

Email. [keith.baker@gcu.ac.uk](mailto:keith.baker@gcu.ac.uk)