



SCI Sustainability

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About SCI

- SCI was founded by royal charter 130 years ago as a learned society
- We provide a multidisciplinary forum where scientists & business people meet on independent, impartial ground .
- We stimulate interaction between scientists and diverse chemical using industries eg. food and agriculture, pharmaceuticals, biotechnology, environmental science
- We are not a qualifying society so our members include a broad mix of chemists, other scientists and business people

What is SCI's Purpose?

SCI connects science and business to encourage the commercial application of science for the benefit of Society

SCI Positioning

- The connector between chemical and related sciences and the chemistry using industries
- Dedicated to resolving societal challenges re food & bioresources, water, waste & environment, health, materials & manufacturing and energy.
- A vibrant, influential international membership organisation
- A trusted provider of services to a wider global user base

Constant Themes <i>Key Societal Topics</i>	Sustainability	Innovation	Wealth creation	Business / industry transformation	Efficiency	Technical Groups / Hubs	Journals
Food and Bioresources						<ul style="list-style-type: none"> •BioResources •Horticulture •Lipids •Food •Environment 	Agri-Food <ul style="list-style-type: none"> •Biofpr (Biofuels, Bioproducts & Biorefining) •Science of Food & Agriculture •Pest Management Science
Water, Waste, Environment						<ul style="list-style-type: none"> •Environment •BioResources 	Greenhouse Gases: Science & Technology Pest Management Science
Health						<ul style="list-style-type: none"> •Fine Chemicals •Health & Safety •Environment •Food •BioResources 	
Materials and Manufacturing						<ul style="list-style-type: none"> •Colloid & Surface Chemistry •Construction Materials •Process Engineering •... and several others 	Chemical Technology & Biotechnology Polymer International Biofpr
Energy						<ul style="list-style-type: none"> •BioResources 	Biofpr
All the above		Science & Enterprise Group					Chemistry & Industry

SCI activity mapped against CSF ToR

The two CSF ToR where SCI is most active are:

- Communicate and encourage best practice and innovation and encourage others to do so
- Promote more effective linkages throughout the chemicals supply chain and between all those with an interest in the future of sustainable and competitive UK chemicals industry
- We can also support the other ToR through provision of impartial information to key influencers and via dissemination of information to our membership

How does SCI deliver on sustainability?

Technical Groups

- Sustainability is a high priority for most technical groups and is central to one of our largest and most active groups, the Environment Group.
- The Groups facilitate information sharing via their meetings and online forums as well as producing a large number of conferences

Science and Enterprise Group

- The Science and Enterprise Group (SEG) aims to mobilise wide and diverse expertise to develop a unique cross-disciplinary and cross-sector network to forge new links to accelerate innovation: the successful exploitation of new ideas.
- This relatively new group encourages even broader sharing of best practice and innovation across SCI membership and regularly involves partner organisations to reach an even wider audience

How does SCI deliver on sustainability?

Journals

- All our journals cover sustainability to some extent but the two most recent journals we have launched are firmly focused on this topic:
- Biofpr (Biofuels, Bioproducts and Biorefining)
- Greenhouse Gases (online journal)

Chemistry & Industry magazine

- Our magazine, which is distributed to over 10,000 readers including members and commercial subscribers, regularly features articles on sustainability related issues (copies available)

Conferences

- SCI produces approximately 55 conferences per annum and many of these are focused on environmental sustainability issues eg. (see sample flyers)

SCI Environmental Sustainability Initiatives

SCI Science and Enterprise Group, along with technical groups and other partners has put together the following conferences to highlight sustainability issues and opportunities

- Energy for the Future - Governments, Cities & Technologies (Joint with the British German Forum) : Oct 2009
- Enhancing you business with Green Chemistry : Dec 2009
- Water Framework Directive - What are the Opportunities? : March 2010
- Biorenewable fuel & fertilizer - realising the potential : March 2010
- Funding Agri-Innovation : March 2011

Planned

- Digestate Use & Management - Associated opportunities : May 2011
- Green Supply Chain : Nov 2011
- Future Nuclear Power Generation in the UK : H2, 2011

SCI Environmental Sustainability Initiatives

SCI Environment Committee is involved in embedding sustainability into industry through:

- Representation on BSI and CEN committees including:
 - Assessment, maintenance and management of soil and water quality
- Organising a large number of technical meetings eg.
 - Water, Horticulture and the Climate Revolution, Cornwall, March 2010
 - Integrated River Basin Management under the Water Framework Directive, Lille, March 2010
 - Green Roofs, SCI London, April 2010
 - Water Contamination Emergencies: collective responsibility, Mulheim, Germany

SCI working with partners

SCI works with many partners to achieve our objectives including:

- Other societies and institutes such as RSC, IChemE, Institute of Biology, Institute of Physics particularly through combined technical groups and joint events
- Other chemical and industry organisations including some around this table eg. CIA and CIKTN
- Technical organisations and experts
- Universities
- Industry representatives

What next?

- 2012 is the UN Year of Sustainable Energy
- What could we do together to make a difference in this field?

