

# Bristol - Hannover



**GREEN  
ENERGY  
SUMMIT**

Part of  
**Good Living Week**  
Celebrating Sustainable City Living:  
Bristol 10-19th June 2011



Hannover

 **iNets South West  
Environmental**

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UK  
TRADE &  
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## PROGRAMME

**Friday 10th June 2011**

The Bristol Hotel,  
Prince Street,  
Bristol

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 **iNets South West  
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 **Low Carbon South West**

UK  
TRADE &  
INVESTMENT 

**Promoting  
innovative energy solutions  
and  
co-operation between  
our city-regions**





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**Good Living Week**  
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## PROGRAMME



08.30	Arrival and Registration	10.45 - 11.00	Dr Fionnuala Costello, Lead Technologist - Low Impact Buildings, UK Technology Strategy Board - Outcomes from the 'Retrofit and Climate for the Future' innovation programmes
08.30 - 09.30	'Meet the Mayors' - Opportunity for Hannover and Bristol / SW companies to talk to the Mayor / Leader		
PLENARY	Opening Session	11.00 - 11.15	Astrid Hoffmann-Kallen, Climate Protection Coordination Centre, City Council Hannover, What we have learned from CONCERTO and potential next EU-programmes to be used
09.30	Introduction by the Chair, Professor Martin Bigg, Director of the South West Environmental Technologies iNet, University of the West of England	11.15 - 11.30	Christian Peters, Hannoverimpuls, 'Passive-House-Standards, District Heating and Cost-Efficiency drawing on the Example of the Marienwerder Technology Centre'
09.35	Welcome and opening remarks  Leader of Bristol City Council, Councillor Barbara Janke  The Challenge of Carbon Reduction and Launch of New Sustainable Energy Programmes in Bristol	<b>11.35 - 16.00 WORKSHOPS 1-4</b> (12.30 - 13.30 Lunch Break)	
09.55	Welcome and opening remarks  Lord Mayor Hannover/President of Verband der Kommunalen Unternehmen vku (Federal Association of Municipal Companies), Stephan Weil  The Renaissance of Municipal Energy Structures in Germany and their Importance for a Low Carbon Energy Supply (using Hannover as case study)	PLENARY	Final Session  Chair: Alan Bailey, Chairman of Low Carbon South West CIC
10.15 - 10.45	Coffee Break	16.00 - 16.20	Report back from each workshop by facilitators
		16.20 - 17.00	Discussion / conclusions on proposals or opportunities identified for collaborative projects
		POST-EVENT	
		17.00 - 18.00	Informal networking at Bordeaux Quay bistro (on harbourside across the bridge opposite The Bristol Hotel)
		19.00	Dinner at Bordeaux Quay restaurant (invited guests only)



# GREEN ENERGY SUMMIT

## WORKSHOP 1



Hannover

## Energy Efficiency in New Buildings and Low Carbon Retro-fit

Facilitation: Sven Andres, Kompetenzzentrum für Energieeffizienz, Hannover and Celia Beeson, Bristol City Council

### Session 1

11.35 - 12.30 'Warm Up' - Introduction of participants - companies, institutes and agencies, their product / services, R&D projects or interests, and specific business needs and objectives from workshop.

12.30 - 13.30 Lunch Break

### Session 2

13.30 - 13.45 Torsten Schwarz, Passivhauskonzepte GmbH, 'Possibilities of Retrofitting Cultural Heritage Buildings'

13.45 - 14:00 David Matthews, Hoare Lea - Bristol, 'Horizon House, Environment Agency, case study in integration of efficiency and micro-renewables in new buildings'

14.00 - 14.15 Craig White, White Design, 'Modcell and Rehab Products for New Build and Retrofit'

14.15 - 14.30 Stefan Wluka, RW-Energie UG, 'Micro CHP Systems as an Alternative in Retrofitting'

14.30 - 15.00 Facilitated Q&A and discussion of Bristol-Hannover complementarities

15.00 - 15.30 conclusions / formulation of future exchange and collaboration opportunities

15.30 - 16.00 Coffee Break



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## WORKSHOP 2



Hannover

## Solar PV – Challenges of Scaling Up Deployment

Facilitation: Kieran Highman, Bristol City Council -  
Sustainable City team

### Session 1

11.35 - 12.30 'Warm Up' - Introduction of participants - companies, institutes and agencies, their product / services, R&D projects or interests, and specific business needs and objectives from workshop.

12.30 - 13.30 Lunch Break

### Session 2

13.30 - 13.45 Gudrun Hüper/Spencer Clark, AS Solar GmbH, 'Challenges of Deployment at Smaller (residential) and Larger (commercial / industrial) Scales'

13.45 - 14:00 Gernot Hagemann, hannoverimpuls on behalf of Institut für Solarenergieforschung (Research Institute of Solar Energy) 'Next Steps in Solar Technology'

14.00 - 14.15 John Whiten, Ethical Solar, 'Low Carbon Mounting Systems'

14.15 - 14.30 David Saunders and Tom Beale (Bristol Power / Energy Co-operatives) 'Bristol Pathfinder Projects for Community PV'

14.30 - 15.00 Facilitated Q&A and discussion of Bristol-Hannover complementarities

15.00 - 15.30 conclusions / formulation of future exchange and collaboration opportunities

15.30 - 16.00 Coffee Break



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# GREEN ENERGY SUMMIT

## WORKSHOP 3



Hannover

## District Heating and Biomass Technologies

Facilitation: Josh Thumim, Centre for Sustainable Energy

### Session 1

11.35 - 12.30 'Warm Up' - Introduction of participants - companies, institutes and agencies, their product / services, R&D projects or interests, and specific business needs and objectives from workshop.

12.30 - 13.30 Lunch Break

### Session 2

13.30 - 13.45 Tony Norton, Centre for Energy and Environment, University of Exeter, 'Cranbrook: a Pathfinder for District Heating & Biomass Innovation in SW'

13.45 - 14:00 David and Michael Strecker, ARES Technology, 'Biomass-Conversion 2.0 - Energy from Cellulose'

14.00 - 14.15 Dirk Goeman, Emission Partner, 'Catalyst Solutions'

14.15 - 14.30 Sam Whatmore, Forest Fuels 'Innovation in Woodfuel Products, Systems & Supply Chain in SW England'

14.30 - 15.00 Facilitated Q&A and discussion of Bristol-Hannover complementarities

15.00 - 15.30 conclusions / formulation of future exchange and collaboration opportunities

15.30 - 16.00 Coffee Break



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# GREEN ENERGY SUMMIT

## WORKSHOP 4



Hannover

## Wind - Emerging Technologies for On and Offshore

Facilitation: Johnny Gowdy, Regen SW

### Session 1

11.35 - 12.30 'Warm Up' - Introduction of participants - companies, institutes and agencies, their product / services, R&D projects or interests, and specific business needs and objectives from workshop.

12.30 - 13.30 Lunch Break

### Session 2

13.30 - 13.45 Colin Morgan, GL Garrad Hassan, and Johnny Gowdy, Regen SW, 'Overview of Wind Technologies Development and UK Offshore Wind Market'

13.45 - 14:00 Christian Keindorf, SKI Ingenieurgesellschaft mbH, 'Offshore Foundations with Grouted Connections'

14.00 - 14.15 Holger Giebel, TimberTower GmbH, 'Timber Structures for On & Offshore'

14.15 - 14.30 Chris Williams (Goodridge Environmental) - Forgen products for remote, off-grid applications

14.30 - 15.00 Facilitated Q&A and discussion of Bristol-Hannover complementarities

15.00 - 15.30 conclusions / formulation of future exchange and collaboration opportunities

15.30 - 16.00 Coffee Break



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