

Announcing the inaugural RES^{HC} congress

Renewable Heating & Cooling™

Bedford Hotel, Brussels
20th - 21st November 2007



Keynote Address from
Andris Piebalgs, *Energy Commissioner,*
European Commission



Latest insights from over 37 Leading Industry Experts



Roberto Vigotti,
Chair of the Renewable Energy Working Party,
International Energy Agency



Britta Thomsen,
Member European Parliament



Gerhard Stryi-Hipp,
Managing Director, BSW,
Chair, ESTTP



Charles Bradshaw-Smith,
Head of Innovation,
E.ON



Juan Manuel Mieres,
R&D Director,
Acciona



Keith Bugden,
Development Director,
Hermes Real Estate



Steven Beckers,
Architecte Associé,
ART & BUILD



Gerhard Rabensteiner,
President,
ESTIF



Heinz Kopetz,
President,
AEBIOM



Dr. Burkhard Sanner,
President,
EGEC

The only event to focus on developments in Biomass, Solar and Geothermal heating and cooling

Content rich, business networking opportunity

- ✓ RES^{HC} practical case studies from Germany, Austria, France, Sweden & Spain
- ✓ Understand why RES^{HC} technologies struggle to get introduced into new and existing building stock
- ✓ Investment opportunities in renewables for RES^{HC}
- ✓ Reaction from the Energy Retailers
- ✓ Cross Sectoral Networking...
- ✓ The most effective opportunity to meet, network and be fully updated on all the key trends ranging from *policy decisions to built environment adoption*

"Exceeded my expectations" Lloyds TSB

"The calibre of delegate appeared higher than at similar events" BioXchange

"One of the best" Monsanto

Feedback from past Green Power events

RES^{HC} 2007

Dear Executive,

Renewable Heating & Cooling has come of age.

The European Commission has presented one of the most ambitious energy packages in history with enormous challenges for the renewable energy sector. Interestingly, the heating sector which accounts for almost 50% of energy supplied has the greatest potential to help achieve these targets - yet, to date, the sector has received little legislative support resulting in slow growth over the last decade.

New dynamism is needed to deliver an improved output from RES^{HC} - research shows that there is growing interest from property owners, architects and construction companies for the inclusion of RES^{HC} into the building envelope. This combined with the rapid developments in technologies, and heightened public awareness on climate change provides the heating & cooling sector with a perfect opportunity to reach its potential.

Under such backdrop it is with great pleasure that I introduce to you the **Inaugural Renewable Heating & Cooling Congress (RES^{HC} 2007)**, which will bring together leading experts, decision and policy makers from around the world to discuss these issues.

I am delighted to announce that **Energy Commissioner Andris Piebalgs** will be giving a special opening keynote presentation at the congress.

The *Expert Speaker Faculty* has been specifically designed to include all market participants from both Supply and Demand sides. For the first time the thoughts of leading experts in solar, biomass & geothermal will be questioned by leading professional groups such as Property Investment companies, Building Owners, Constructions companies and acclaimed Architects.

The Congress is the most effective opportunity to meet, network and be fully updated on all the key trends ranging **from policy decisions to the built environment adoption** - and will provide a solid base for informed decisions and developing future strategies. Furthermore, it will arm participants with actionable insights, vital information and cross-sectoral industry contacts necessary to help kick-start the market.

I have great faith in this agenda and the industry speakers who share the belief that Heating & Cooling has enormous untapped potential to deliver.

On behalf of the chair and speaker faculty we look forward to welcoming you to RES^{HC}2007 which is to be held in Brussels on the 20th & 21st November.

Yours faithfully,

Jonathan Ballantine

RES^{HC}2007

RES^{HC}2007 - Developed with the Full Support of the Industry

We would like to thank the following organisations for their support of the inaugural RES^{HC} congress



8.15 Registration and Morning Coffee

8.50 Opening Remarks from the Chair

Opening Keynote Session

9.00 **Keynote Address: On the way to a RES^{HC} directive**
Andris Piebalgs, *Energy Commissioner, European Commission*

9.20 **Examining the pillars for RES^{HC} market development**
 · Policy & Instruments
 · Technology Vision
 · Energy Retailers response
 · Built Environment Adoption
Roberto Vigotti, *Chair of the Renewable Energy Working Party, IEA*

9.40 **Parliament view and expectations of the Commission**
Britta Thomsen, *Member European Parliament*

10.00 **The Renewable Heating & Cooling Action Plan**
Christine Lins, *Secretary General, EREC*

10.20 **The changing building environment**
 · Examining the changing context for renewable applications
 · Introduction of carbon neutral buildings
 · Assessing the impact for RES^{HC}
Juan Manuel Mieres, *R&D Director, Acciona*

10.40 Networking Refreshment Break

Industry Perspectives & Developments

11.10 **Solar as a major source of heating and cooling**
Gerhard Rabensteiner, *President, ESTIF*

11.25 **Biomass as a major source of heating and cooling**
Heinz Kopetz, *President, AEBIOM*

11.40 **Geothermal as a major source of heating and cooling**
Dr. Burkhard Sanner, *President, EGEN*

11.55 **Biomass: Experiences, projections and expectations on European policy**
Christian Rakos, *Managing Director, proPellets*

12.10 **Solar: Experiences, projections and expectations on European policy**
Gerhard Stryi-Hipp, *Managing Director, BSW*
Chair, European Solar Thermal Technology Platform

12.25 **Geothermal: Experiences, projections and expectations on European policy**
Pierre Ungemach, *Geoproduction Consultants*

Accelerating Market Development

12.40 **Interactive Panel Discussion**
 · Overcoming policy uncertainty
 · A 10 year quest for recognition... trials and tribulations
 · Investment in technology and infrastructure acceleration
 · Optimising built environment adoption

Gerhard Rabensteiner, *President, ESTIF*
Heinz Kopetz, *President, AEBIOM*
Dr. Burkhard Sanner, *President, EGEN*
Christian Rakos, *Managing Director, proPellets*
Pierre Ungemach, *Geoproduction Consultants*
Gerhard Stryi-Hipp, *Managing Director, BSW & Chair, ESTTP*
Juan Manuel Mieres, *R&D Director, Acciona*

Moderated by:
Roberto Vigotti, *Chair of the Renewable Energy Working Party, IEA*

1.30 Networking Lunch

14.30 **Setting the landscape for RES^{HC}**
 · World energy trends out to 2030

· The potential for climate change mitigation from RES^{HC}
 · The IEA report *Renewable Energy Heating & Cooling - untapped potential*
 Professor **Ralph E H Sims**, *IPCC 4th Assessment Report CLA Energy Supply chapter, IEA Renewable Energy Unit*

14.50 **Examining the support mechanisms for a more widespread use of RES^{HC}**

· Assessing the uneven market development in Europe
 · Examining the main instruments in achieving sustainable growth
 · Building public trust in technology deployment
 · Addressing barriers such as skills shortages and resistance
Dr Ole Langniss, *Deputy Head of Department, Centre for Solar Energy & Hydrogen Research Baden-Württemberg (ZSW)*

15.10 **Improving the availability and quality of statistical data**

· Determining what type of targets should/could be used
 · Improving data collection
 · Results from Renewable Electricity and Biofuels
Nikolaos Roubanis, *Eurostat*

15.30 Networking Refreshment Break

16.00 **The way ahead for Germany through incentives**

· German Market Incentive Programme and Research
 · Assessing the implementation challenges
 · Further development of the framework
 · Recent & Current Projects in Germany
Cornelia Viertl, *MBA, Senior Adviser, BMU*

16.20 **Creating awareness for RES^{HC} - the success of France**

· Designing incentives to support RES^{HC}
 · Where does the responsibility lie at EU or local level?
 · Effective campaign nationally-led with support from EU schemes
Jean-Louis Bal, *Directeur Energies Renouvelables, Réseaux Marchés Energetiques, ADEME*

16.40 **Increasing your share of RES^{HC} - the story from Austria**

· Assessing how Upper Austria has reached a share of 40% renewable heating
 · Combining financial incentives, legal instruments and awareness raising
Christiane Egger, *Deputy Manager, Upper Austrian Renewable Energy Agency*

17.00 **Interactive Panel Discussion: Examining present and future support mechanisms to accelerate sustainable growth for RES^{HC}**

Professor Ralph E H Sims, *IPCC 4th Assessment Report CLA Energy Supply chapter, IEA Renewable Energy Unit*
Ole Langniss, *Deputy Head of Department, ZSW*
Cornelia Viertl, *MBA, Senior Adviser, BMU*
Jean-Louis Bal, *Directeur Energies Renouvelables, Réseaux Marchés Energetiques, ADEME*
Christiane Egger, *Deputy Manager, Upper Austrian Renewable Energy Agency*

17.50 Closing remarks from the Chair

18.00 Close of Day One

18.15 Networking Drinks

8.30 Registration and Morning Coffee

9.00 **Opening Remarks from the Chair**
Examining the cost and integration of RES^{HC} into the Built Environment
Ali Sayigh, Chairman, World Renewable Energy Network (WREN)

Financing

9.30 **Integration of RES^{HC} into a Real Estate Investment Portfolio - the business case**
 · Responsible Property Investment - whose responsibility?
 · Incorporating RES^{HC} Technologies
 · Why would occupiers pay more for 'greener' buildings?
Keith Bugden, Development Director, Hermes Real Estate

9.50 **The role of the Carbon Trust in financing the adoption of renewables into the building envelope**
 · Technology acceleration programmes
 · Working with businesses to adopt RES^{HC} technologies (biomass acceleration programme)
 · Recent case studies
Representative from the Carbon Trust

Energy Retailers Perspective

10.10 **RES^{HC} ...Threat or Opportunity to our Industry?**
 · Determining the reaction from energy retailers
 · Assessing the latest RES^{HC} innovation programmes
Charles Bradshaw-Smith, Head of Innovation, E.ON UK

10.30 **Examining the importance of energy efficiency: primary energy, housing design, heating systems design and boiler technologies**
 · What are manufacturing companies doing?
Michael Bennett, Executive Director, Eurofuel

10.50 Networking Refreshment Break

Built Environment Adoption

11.20 **Solar Thermal as a challenge to the built environment**
Uwe Trenkner, Secretary General, ESTIF

11.40 **Architectural challenges of integrating RES^{HC} into the building design**
Steven Beckers, Architecte Associé, ART & BUILD

Cross Industry Debate

12.00 **Integrating RES^{HC} into the built environment to accelerate market development**
 · Understanding the challenges that restrict RES^{HC} integration into the built environment
 · Additional costs of construction
 · Training and development of installers
 · Design challenges
 · Communication and education of citizens

Property Owner:

Paul-Louis Marty, President, Comité Européen de Coordination de l'Habitat Social, CECODHAS

Construction Industry:

John Goodall, Director Technical and Environmental Affairs, European Construction Industry Federation

Architect:

Steven Beckers, Architecte Associé, ART & BUILD

Renewable Technology:

Uwe Trenkner, Secretary General, ESTIF

12.40 Networking Lunch Break

Heating & Cooling

13.50 **Potential for thermal heat applications in Europe and North America**
 · Examining the capabilities and expectations of individual countries in Europe
 · Overview of developments in Eastern European countries
 · Contrasting European developments with North America
Michael Denison Pender, Executive Chairman, BRG Consult

14.10 **What about cooling...a growing interest in Solar Cooling**
 · Examining how solar collectors, geothermal hot water or biomass combustion can be used for cooling
 · Distribution challenges / opportunities
 · Technical options in RES^C
 · Sectoral differences
 · Recent Solar Cooling projects
 · Barriers to mass-scale development
Christian Holter, Director, S.O.L.I.D.

Examining Biomass Supply & Demand for RES^{HC}

14.30 **The future supply of biomass from agriculture in Europe:**
 · Potential of energy crops and agriculture by-products
 · Examining the possibilities and conditions for energy crops
 · Looking at maximum energy efficiency and CO2 emission reduction
Jean-Marc Jossart, General Secretary, AEBOM

14.45 **EUBIONET II project analysis of biomass fuel supply chains**
 · Examining the supply and trade of forest biomass
 · Biomass trade
Eija Alakangas, Secretary General, EUBIONET2

15.00 **Examining the use of Biomass as a source for Heating**
 · The translation from fossil oil to biomass by Statoil
 · Case study findings on Duvnäs Utskogen... small-scale district heating
Henrik Pettersson, Statoil

15.15 **Supply & Demand: Q&A**

15.40 Networking Refreshment Break

RES^{HC} Success Stories

16.00 **Biomass heating entrepreneurship - the whole supply chain from production to use**
Asko Puhakka, Managing Director, Biowin Oy

16.15 **Examining recent and future solar projects in Denmark**
Kirsten Sander, Architect, KS miljø & arkitektur, Board Member, ISES

16.30 **Geothermal projects in the Netherlands**
Guus Willemsen, IF Technology

16.45 Closing remarks from the Chair

17.00 Close of the Conference



Established in 2003, Green Power Conferences was the first to offer professionally organized events focusing on the sustainability sector. Over the last four years, we have welcomed over 4000 delegates from 76 countries and built a global database of 110,000+ contacts. Our expertise lies in producing high quality, interactive conferences that provide ample networking opportunities for delegates and partners alike.

Our four streams of sustainability events include Renewables, Biofuels, Carbon Markets and Corporate Climate Response. Each stream is led by a team of market research professionals who ensure our events provide in-depth discussions and the latest industry updates in these fast-moving sectors. With a global portfolio of 30 events, Green Power Conferences is helping to accelerate the uptake of sustainable business practices from Rio to Hong Kong. We also walk the talk, by offsetting all our commercial activities through renewable energy projects around the world.

Stand Out from the Crowd - it's time to do Business

Sponsor **RES^{HC} 2007** and benefit from:

- ▶▶ **1st class lead generation:** meet companies actively looking to develop renewable heating and cooling systems
- ▶▶ **Enhanced brand profile:** pre-event promotional campaign plus extensive on site branding
- ▶▶ **Excellent publicity:** gain an incredible amount of presence from on site promotion and exhibition stand
- ▶▶ **A cost effective marketing solution:** our development team will be happy to customise a package and develop a cost effective marketing channel to generate new sales leads

Sponsorship options offering varying levels of branding and exposure are available to suit budgets and marketing aims.

For details contact: Ben Leighton on +44 207 801 6333 or email: Ben.leighton@greenpowerconferences.com

Who you will meet?

The Congress is the most effective opportunity to meet, network and be fully updated on all the key trends ranging **from policy decisions to built environment adoption** - during the two action packed days you will meet an eclectic group of industry experts and professionals groups under the one roof:

- ▶▶ Solar Thermal Manufacturers & Suppliers
- ▶▶ Biomass Manufacturers & Suppliers
- ▶▶ Geothermal companies or Heat Pump Manufacturers
- ▶▶ Energy Retailers (and distributors)
- ▶▶ Federal Ministry Departments
- ▶▶ EU Parliament & Commission members
- ▶▶ Regional Government Authorities
- ▶▶ Research Agencies, Energy Agencies, Associations
- ▶▶ Finance
- ▶▶ Property Management & Occupiers
- ▶▶ Construction Companies
- ▶▶ Architects
- ▶▶ Building Service Professionals
- ▶▶ Energy Management Professionals
- ▶▶ Facility Management Professionals

Don't forget to bring extra business cards as you will definitely meet some new faces

Media Partners



Plus, don't miss: **The 4th international**

Global Biogas Markets Summit™

19-20 November 2007, Le Plaza Hotel, Brussels

44 leading biogas experts from 15 countries share their experiences, including:

- ▶ **Clay Walton**, Chief Technology Officer, **Environmental Power Corp**
- ▶ **Alan Lovell**, Chief Executive Officer, **Infinis**
- ▶ **Kirt Montague**, Chief Executive Officer, **Prometheus Energy**
- ▶ **Kevin Best**, Chief Executive Officer, **Real Energy**
- ▶ **Jonathan Wilkinson**, President and Chief Executive Officer, **Questair**
- ▶ **Balthasar Schramm**, Chairman of the Board, **Nawaro BioEnergie**
- ▶ **Holger Schmitz**, Member of the Board, **Biogas Nord**
- ▶ **Peter Uden**, Chief Executive Officer, **Swedish Biogas International**
- ▶ **William Karambelas**, VP, Business Development, **FuelCell Energy**
- ▶ **Richard Bennett**, Chief Executive Officer, **PZERO**
- ▶ **Fritz Wolf**, Managing Director, **E.ON Ruhrgas / Bioerdgas**
- ▶ **Hans Kattstrom**, Chief Executive Officer, **Scandinavian GtS**
- ▶ **Jørgen Ballermann**, Executive Director, **Xergi**
- ▶ **Ludwig Dinkloh**, Head of International Business, **Schmack Biogas**

Understand the global biogas growth opportunities

- ▶ How can biogas be upgraded and scaled up for cogeneration and integration into the national grid?
- ▶ What are the opportunities and challenges in producing biogas from waste?
- ▶ How can the potential of landfill gas be maximised?
- ▶ What are the economic and technical challenges facing future investment in biogas?

Post conference seminar, 21st November 2007, Bedford Hotel, Brussels

Biomethane for Vehicle Use

With over 200 attendees expected, networking opportunities will be second to none

Further details at: www.greenpowerconferences.com

Renewable Heating & Cooling

20th & 21st November 2007
Bedford Hotel, Brussels

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Venue

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