

EFEF 2011

EUROPEAN FUTURE ENERGY FORUM

10-12 OCT ★ GENEVA ★ PALEXPO

In association with:



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THE EUROPEAN FUTURE ENERGY FORUM PROGRAMME

Introduction to the conference programme

The different discussions around climate change have shown the importance of the introduction of new energy sources and the development and management of existing ones. The challenge of the coming years will be to identify innovations that will make a difference, how to implement them and, even more so, to understand what will be the disruptive developments in this field.

This year's Forum will address these questions in a real multi-stakeholder environment with decision makers from governments, regulators, investors, financial institutions, business and NGOs, and a special emphasis on business from utility, energy, renewable energy, infrastructure companies and future energy consultancies. The Forum will allow these groups to explore potentials and discuss the crucial ingredients to make this happen.



Programme Themes

The discussions will be articulated around the following 5 themes:

Technology: Discovery of the Cutting Edge Landscape of Future Energies. During these sessions participants will be able to develop an understanding about future evolutions of the energy landscape and also see where disruptive new technologies will change the competitive business environment.

Policy: Creating an Innovative Policy Framework for the Implementation of Future Energy. During these sessions the participants will be able to explore the needs and opportunities of new policy frameworks to support the implementation of future energies, as well as drawing on past experiences and what lessons can be learnt. Subjects for debate are likely to include:

- Private and public partnerships – what are the risks and how can we guarantee results?
- Regulation and incentives – kick or carrot? - meeting targets in a difficult economic climate. How sustainable are the policies themselves - how do we guard against changes of government and political u-turns when businesses are depending on them?
- Alliance of the willing or should we wait on a global deal? - today the conclusion of a global agreement to address fully environmental challenges seems to become less and less probable. What are the possible competitive advantages by starting to implement measures to combat climate change? What are the risks doing so and how can we avoid making the economic environment even more difficult for business?

Finance: Financing the Future Energy Revolution and Reducing the Inevitable Risks. During these sessions the participants will be able to explore enormous opportunities that exist in the Future Energy markets, but to also analyse what the risks will be and to consider how these can be managed. Subjects for debate are likely to include:

- What does it take to make Future Energy solutions work? How do we fund Future Energy projects? – risk versus reward.
- Investing in the developing world – what are the opportunities in long distance energy transfer and how do we overcome political insecurities?
- Is carbon-offsetting a sustainable solution and what are the international trading opportunities?
- How to create better bridges – finding a common language between financiers and the future energy world.

Infrastructure: Creating and Financing the Infrastructure for the Future of Energy. During the sessions in this stream the participants will have the opportunity to discuss the needs for infrastructure development

in order to make future energy solutions happen. A special emphasis will be put on the need to develop the current energy grids to allow for a more distributed approach to energy creation and distribution and how to develop much-needed energy storage solutions. Discussion points will include:

- How do we efficiently move from the already complex traditional grid balance to a multi-entry and smart grid infrastructure? Who will fund it and where is the return on investment?
- Smart grids require smart management and metering – what are the wide-spread implications? How do we regulate access and what are the costs/incentives?
- Energy storage solutions – can we ever solely rely on renewable energy? What lessons can we learn from others and what are the cutting edge solutions to this technological challenge?

Renewables: Assuring the Future Energy Production and Security

What will be the recipe for the Future Energy mix – what is the potential and where will we achieve the biggest results? What are the comparable production costs and where are they going? How do the costs compare with fossil fuels now and what are the forecasts?

- **Wind energy** – what is the overall potential? What are the latest developments and issues with onshore and offshore projects? International case studies – a look at examples of the latest cutting edge ideas and technology. Project implementation – what are the environmental impacts, local politics and management considerations. Feed-in tariff incentives and small-scale opportunities.
- **Solar energy** – what is the overall potential? A look at cutting edge photovoltaic technology – silicon-based, coloured cells and thin-layers creating transparency and flexibility for a wide-range of applications. Thermal solar opportunities and developments. Project implementation case studies – how we made it happen. The opportunities in developing countries – from 'off-grid' local level solutions to long-distance energy transfer/exporting models.
- **Hydropower** – transferring technology skills - what can be learnt from the Swiss experience? The rewards of storing energy and selling on international markets when the price is right. Energy storage potential – could suitable geographic areas such as Switzerland become a 'mega-battery' for Europe in the future?
- **Other energy alternatives** – Biomass - can we create a win-win situation through waste-to-energy solutions? Biofuels and fuel cells – what are the alternatives for replacing fossil fuels in transport. Wave and Tidal – the latest technical projects and case studies. Geothermal – largely geographically dependent or a potential untapped opportunity for the masses?

PROGRAMME FORMAT

The conference programme will consist of a wide range of interactive session styles including:

- **Plenary sessions** with top decision makers and thought leaders.
- **Inspirational 'Cutting Edge' IdeasStorm** – 'this is my big idea, now this is what I need to make it a reality!'
- **Interactive sessions** bringing together a mix of politicians, industry leaders and experts, financial specialists and NGOs to address the potential and how to make it happen.
- **Workshops**, that are either transfer of knowledge sessions bringing together people from around the world who want to

benefit from the lessons already learnt by others (in small table groups with feedback to the whole room) or round-table/think tank debates on set themes – with outcomes and feedback filtered back into a whole room discussion.

- **Private Meetings:** Bi-lateral government/industry private meeting programme – invitation only

Programme Structure

The programme is structured around the following Plenaries, Cutting Edge IdeasStorm Interactive Sessions and Workshops. The overall structure is as follows:

DAY ONE			
10:00 – 11:15	Opening Plenary – Setting the scene		
11:15 – 11:30	Break		
12:00 – 13:30	Cutting Edge Technology: IdeasStorm 1	Policy and Regulations: Interactive Session 1	Financing: Interactive Session 1
13:30 – 14:45	Lunch		
14:45 – 16:00	VIP Opening Ceremony Plenary		
16:00 – 16:15	Break		
16:15 – 17:45	Cutting Edge Technology: IdeasStorm 2	Policy and Regulations: Workshop	Financing: Interactive Session 2
DAY TWO			
09:30 - 10:45	Visionaries that have and are shaping the future energy landscape		
10:45 - 11:15	Break		
11:15 - 12:45	Cutting Edge Technology: IdeasStorm 3	Policy and Regulations: Interactive Session 2	Financing: Workshop
12:45 - 14:00	Lunch		
14:00 - 15:15	Plenary – Cleantech Hype or Megatrend?		
15:15 - 16:00	Break		
16:00 - 17:30	Infrastructure: Interactive Session 1	Renewables: The landscape and trends – Interactive Session	
DAY THREE			
09:30 - 11:00	Infrastructure: Workshop	Renewables: Wind Interactive Session	Renewables: Solar Interactive Session
11:00 - 11:15	Break		
11:15 - 12:45	Infrastructure: Workshop	Renewables: Hydro Interactive Session	Renewables: Others Interactive Session
12:45 - 13:00	Break		
13:00 - 14:15	Closing Plenary – Wrap up and major outcomes		
14:15 - 15:30	Lunch		

FOR MORE INFORMATION...

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To view the latest exhibition floor plan see:

www.EuropeanFutureEnergyForum.com/plan

To see who exhibited in 2010 see:

www.EuropeanFutureEnergyForum.com/Exhibition

Sponsorship

Sponsorship opportunities are packaged to suit your requirements – please contact **Amanda Drury on +44 7734 298015** or a.drury@turretme.com to schedule a call to discuss the options with you.