

## Interview with Joan MacNaughton, Executive Chair of the Assessment Study Group and Senior Vice-President, Power and Environmental Policies, Alstom Power.



*Joan oversaw the energy agenda during the UK's Presidency of the EU, and led the energy work at the G8 Gleneagles Summit. She chaired the Governing Board of the IEA and is President Elect of the Energy Institute.*

### What keeps you awake at night?

I worry that governments and international financial institutions will not do enough quickly enough to drive the investment needed to tackle climate change. For example, most experts agree we need to decarbonise the power sector over the next 20 years. That will need carbon capture and storage to be applied to fossil fuel powered plants. The International Energy Agency's CCS Roadmap projects that 3,400 CCS plants will be needed globally by 2050 and expects that by that time, developing countries will account for 64% of all captured carbon dioxide emissions. If these nations are not encouraged and assisted to adopt the cleanest technologies at this crucial stage of their development, they will "lock-in" sources of carbon dioxide emissions for decades to come. That means developing supportive policy frameworks and providing capital funding support as well as ongoing support through feed-in tariffs or similar measures.

### What would you appreciate feedback from WEC members on?

What really works when it comes to supportive policy? I am frequently asked by policy-makers which measures offer the best mix of encouragement of investment and value for money.

There will never be a silver bullet of policy that addresses all needs simultaneously (though carbon pricing is probably the most important single measure). But quality feedback on what works in different contexts is valuable to policy makers and helpful to developing countries seeking to benchmark against the best. Case studies, that show how and why some policies work, are even better.

### What should WEC think about?

WEC's broad-based membership profile is uniquely-placed to consider how public and private sectors can work together most effectively to address the three challenges of maintaining energy security and enhancing access to energy while also progressively reducing emissions. The solutions will only be delivered through unprecedented levels of public-private partnership, based on clear commitments, transparent policies, agreed outcomes and, crucially, efficient and effective deployment of financial resources. In the absence of a binding global agreement on climate change the more we can scale-up individual efforts and collaborations, share experience and inspire action, the closer we can come to delivering the necessary emissions reductions whilst also ensuring energy security and energy access for all.

### What developments would you like to see in the 2011 Assessment?

I would be really pleased to see an overall increase in the number of national or regional energy and climate policies that encourage investment by valuing carbon but remain simple to implement and comply with. I'd also like to see greater progress on developing the international measures that will assist developing countries to adopt the cleanest technologies and where possible "leap-frog" to lower-tech solutions – principally the UN Technology Mechanism and the Green Climate Fund. Ultimately, I'd love to see real evidence that the frameworks are there to put us on a path that limits temperature rise to 2 degrees.

## WEC Debrief

### Youth Energy Leaders in Turkey Flies the Flag of Tomorrow!

World Energy Council Turkish National Committee Youth Group organized a remarkable youth organization again. 38 young leaders from 20 different universities came to Istanbul to attend 4<sup>th</sup> Youth and Energy Workshop. In this occasion their focus was 'Innovation'. Considering R&D, Green Energy, Creativity and Renewable Energy together with the main heading 'Innovation', young Turkish leaders filed their 4<sup>th</sup> Summary Report.

Entrepreneurship stood out with emphasis in the debates of tomorrow's young energy leaders in Istanbul. Participants listened and discussed the ideas of four guest speakers on May 19<sup>th</sup>, the first day of the Workshop. Opening ceremony and dinner events were considered as contributory time to socialize and for evaluation of thoughts. On the second day, they volunteered for different sections of the extended report writing, and invented their own way of filing the report. The Workshop ended with the participants paid respects to Mustafa Kemal Atatürk visiting Dolmabahçe Palace Museum, where Turkish Leader and the founder of the republic spent his last days. It has been 4 Workshops and 4 Reports for the members of Youth Energy Group in Turkey. Other than Youth Workshops, they also meet for Sunday Breakfasts every other month and issue International Youth Energy Electronic Journal.



## WEC Agenda

We invite our members to attend the following events:

### June 2/3; The 5th South East European Energy Dialogue & WEC-Europe Regional Workshop

- Conference theme: 'Electricity & Gas Infrastructures Priorities in South-East Europe - Towards a Regional Market'
- Workshop theme: 'WEC Energy Policy Scenarios'
- Location: Thessaloniki, Greece
- Contact: **Mr. Costis Stambolis, IENE (Institute of Energy for South East Europe)** info@iene.gr

### June 17; Bulgarian Energy Day 2011

- Location: Bulgaria
- Contact: Mrs. Albena Trassieva, Secretary office@wec-bulgaria.org

### June 21/22; Washington (DC), US

- Workshop at the USEA on the status and future of US energy policy
- Energy Scenarios Workshop
- Policy Assessment Study Group Meeting
- Contact: [biesel@worldenergy.org](mailto:biesel@worldenergy.org)

### June 23; UKWEC Workshop

- Location: London, UK
- Contact: UKWEC Secretariat [UKWEC@energyinst.org](mailto:UKWEC@energyinst.org)

For further events and more details, please check the Events page on the WEC website...

[http://www.worldenergy.org/news\\_events/18.asp](http://www.worldenergy.org/news_events/18.asp)

## Inside Insight

### Transforming the US Energy Systems

With currently more than 80% of the total US primary energy coming from fossil fuels, and US energy consumption and carbon-dioxide emissions expected to increase under a business-as-usual scenario US President Barack Obama in January called for a Clean Energy Standard that would require 80% of the nation's electricity to come from clean energy technologies, such as wind, solar, "clean" coal and nuclear, by 2035.

Subsequently, the US Department of Energy (DOE) published a [strategic plan in May 2011](#) to ensure America's security and prosperity by addressing its energy, environmental, and nuclear challenges through transformative science and technology solutions. The document outlines the goals of the DOE for the 2011 year focusing on four distinct goals: Catalyse the timely, material, and efficient transformation of the US energy system and secure U.S. leadership in clean energy technologies; maintain a vibrant U.S. effort in science and engineering as a cornerstone of their economic prosperity with clear leadership in strategic areas; enhance nuclear security through defence, non-proliferation, and environmental efforts; establish an operational and adaptable framework that combines the best wisdom of all Department stakeholders to maximize mission success.

Will a Clean Energy Standard "Win the future"? What should objectives of U.S. energy policy be? How successful have policies like the California Zero Emission Vehicles Program, PJM Reliability Pricing Model, or the Energy Star Program been? Those and other question will be discussed during a two day workshop in Washington, DC, on June 21/22 at the USEA (see WEC agenda)

### WEC NEWS FLASH

#### *Is the energy sector in crisis?*

*By Christoph Frei*

The following Op-ed was published on the 26th May in China Daily, please follow the link below to view the entire article.

[http://www.cdeclips.com/en/opinion/Is\\_the\\_energy\\_sector\\_in\\_crisis/fullstory\\_66603.html](http://www.cdeclips.com/en/opinion/Is_the_energy_sector_in_crisis/fullstory_66603.html)

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