



Brussels in brief

[EU institutions must agree 30% GHG reduction](#)
[Belgian EU Presidency sets out priorities](#)
[Radar guidelines published by EUROCONTROL](#)
[Offshore advisory group to focus on bottlenecks](#)
[Forum calls for enhanced grid development plan](#)
[New paper analyses three flexibility mechanisms](#)
[EU energy council endorses Energy Action Plan](#)
[Is there sufficient oversight of EU energy markets?](#)
[Energy regulators support single energy market](#)
[Joint EWEA-EURELECTRIC Declaration](#)
[EWEA predicts a strong 2010 wind energy market](#)
[250,000 new wind energy jobs in Europe by 2020](#)
[Europe launches ten year R&D plan for wind energy](#)
[EWEA to publish NREAPs and summary](#)
[Commission releases report on trade restriction](#)
[EU grid operators release 2009 data](#)
[EURELECTRIC urges for market integration](#)

EWEA and events

[Global Wind Day 2010 – the round-up](#)
[Over 1,400 turbines adopted in EWEA campaign](#)
[EWEA workshops coming to Romania and Bulgaria](#)
[GRIDS 2010: full programme online](#)
[EWEA 2011 annual event – call for abstracts](#)
[South African wind industry raring to go](#)
[Klaus Rave new GWEC Chairman](#)
[Blogging on wind power](#)

Market and industry updates

[The latest news from the wind industry](#)

Brussels in brief

EU institutions must agree 30% greenhouse gas reduction target

EWEA welcomed the European Commission's recent Communication on moving beyond a 20% emissions reduction target, but was disappointed that the Commission fell short of recommending the EU move to a 30% target.

"The Commission does a good job of highlighting the many benefits of increasing the EU's emissions reduction target, such as GDP growth, job creation, reduced dependency on oil and gas imports and billions of Euros saved through better health and lower pollution", said Rémi Gruet, EWEA's Regulator Affairs Advisor. "However, it should have gone a step further and recommended doing so unilaterally. This would be a necessary step towards industrialised countries committing to emissions cuts of at least 40% by 2020 compared to 1990 to make sure the temperature rise stays under 2°C, as recommended by scientists

The Communication also stresses that Europe needs to retain its first mover advantage in tackling climate change, and that we have the technology and know-how to do so. It points out that the cost of moving to 30% is only 15% higher than the already agreed 20% reduction, equivalent to €11 billion, due to the economic crisis.

The economic crisis has also led to lower carbon prices, impacting the effectiveness of the Emissions Trading System, according to the communication.

The decision to move to a 30% emissions reduction target will now be subject to further discussions. The first step of the process took place on 11 June, when Europe's environment ministers welcomed the intention of the Commission to conduct more detailed analysis of what an increase would mean for member states, stating that they would come back to the question at their meeting in October.

[Read the European Commission's communication](#)
[Read the EU Environment Council's conclusions](#)
[Read EWEA's position paper on reducing greenhouse gas emissions](#)

Belgian EU Presidency sets out priorities

The upcoming Belgian Presidency in the EU is to work towards at the adoption of the new Energy Action Plan (2011-2020) by the European Council in Spring 2011, it said in its recently published six-month programme.

Other energy-related priorities include the 2050 roadmap on a long-term strategy for a low CO₂ emissions economy, and the Commission's forthcoming proposed package on electricity infrastructure.

Specific areas on which the Presidency will particularly focus include the development of offshore wind energy through work on the North Seas Countries' Offshore Grid Initiative, smart grids and making the EU heard in the climate negotiations leading up to COP16 in Cancun.

[See the Belgian EU Presidency website](#)

Radar guidelines published by EUROCONTROL

At the end of May EUROCONTROL published "Guidelines on How to Assess the Potential Impact of Wind Turbines on Surveillance Sensors". The guidelines include methodology which will be helpful in encouraging air controllers and the wind industry to cooperate, as well as a list of ways of managing the effect of turbines on radar that is more practical than in previous draft versions of the document.

However, the document is too restrictive in its ways of assessing the impact of turbines on radar, and does not consider modern radar technology or the fact that individual radar are part of a wider system.

Eurocontrol has committed to take account of the wind industry's comments as it regularly updates these guidelines.

[Read the guidelines and see EWEA's presentation at EUROCONTROL's April workshop](#)

Offshore advisory group to focus on bottlenecks

EWEA's Offshore Wind Industry Advisory Group (OWIG) is set to develop the industry's position on specific bottlenecks in offshore development.

Over the coming months, dedicated groups or "task forces" will examine issues that can impact the offshore industry's development, like cable connections, the supply chain, project financing and health and safety.

OWIG is made up of 40 key offshore wind industry players. Originally set up to shape the first EWEA offshore report, OWIG is now focusing on the supply chain, and on making sure the wind industry is able to deliver for the 2020 targets.

Further information on OWIG can be obtained from Gloria Rodrigues at gr@ewea.org.



Florence Forum calls for an enhanced grid development plan

At its recent meeting in June, the Electricity Regulatory Forum or Florence Forum – a group of national regulatory authorities, Member State governments, the European Commission, transmission system operators and industry stakeholders set up to discuss the creation of a true internal electricity market in the EU - welcomed the grid operators' (ENTSO-E) first 10-year network development plan (TYNDP), and the fact that its revised pilot version will be delivered by the end of June. The TYNDP sets out the next steps to be taken in building and extending Europe's power grid, and will thus help achieve the European energy policy goals. According to the Third Package on the Internal Energy Market, ENTSO-E is to issue the TYNDP, including a European generation adequacy outlook, every two years.

The Forum stressed that the plan needs further development, and that it should be based on proper scenarios and market and network modelling taking duly into account the 2020 RES objectives and in particular reflect the National Renewable Energy Action Plans, which will be submitted by 30 June. ENTSO-E committed to incorporate these changes by the end of the year to report back at the next Forum meeting in December.

[Read the Florence Forum conclusions](#)

New paper analyses the three flexibility mechanisms of the 2009 Renewable Energy Directive

A recently published paper concludes that the three flexibility mechanisms of the 2009 Renewable Energy Directive are closely interlinked, but that all three have their specific benefits and disadvantages.

The paper, published in the journal Energy Policy (38(2010)) by Ecofys, Fraunhofer and the Energy Economics group, analyses the three flexibility mechanisms and the ways they could be designed and implemented. The point of the three mechanisms - statistical transfer, joint projects, and joint support schemes - is to allow member states to achieve their national renewable energy target in cooperation with other member states.

Statistical transfers between member states can be applied easily, but if they are not combined with a joint project or a joint support schemes, they may not help develop additional renewables potential. The paper recommends the setting up of long-term arrangements for statistical transfers in order to ensure this potential is developed and to guarantee sufficient flexibility. Joint renewables projects, on the other hand, should allow the development of additional renewables potential, but risk interfering with national support instruments. The paper recommends taking a coordinated joint project approach between several member states to increase transparency for project developers.

Joint support schemes could potentially lead the way to a more coordinated EU support framework. However, they also involve intensive coordination between member states.

The paper concludes that, overall, the current lack of national experience will probably create uncertainty regarding the effect of the cooperation mechanisms. It stresses the importance of continuously monitoring and evaluate the development of the cooperation mechanisms in the future.

For more information contact Jacopo Moccia at jm@ewea.org

EU energy council endorses Energy Action Plan

The EU energy ministers welcomed the European Commission's proposed Energy Action Plan for 2011 to 2020 at their most recent meeting on 31 May. They proposed that it be tabled in time for their next meeting in December "with a view to its endorsement by the European Council in March 2011."

The ministers also repeated their commitment to the 2020 renewable energy and climate targets, stressed the economic and environmental benefits EU energy policy was bringing, and requested that the European Commission submit a comprehensive analysis of the external dimension of European energy policy.

[Read the EU energy council's response](#)

Is there sufficient oversight of EU energy markets? asks Commission

The European Commission has launched a consultation on the integrity of traded energy markets, to try and ensure that the prices paid by Europe's citizens and businesses reflect the outcomes on these markets. The findings of the consultation will go towards the building of an impact assessment in 2011 which will evaluate the level of protection of the EU emissions trading system market. Responses to the consultation must be submitted by 23 July 2010. EWEA will submit a response by this date.

[Find out more about the consultation](#)

Energy regulators support single energy market

The plan for achieving the single EU energy market must be maintained and developed, declared Europe's energy regulators (EREG) recently. This plan should bridge the gap between the single EU energy market goal, and the current work plans of the regulators and of grid operators (ENTSO-E) on regional integration issues. EREG recommended that the European Commission take a lead role in coordinating this plan.

EREG's declaration came as part of their conclusions to a public consultation on delivering a more integrated European market. Other conclusions included that Member States' role in setting policy direction within the regional initiatives framework would increase, and that there would be greater regional integration with the implementation of the third electricity market liberalisation package.

[Read EREG's press release](#)

Joint EWEA-EURELECTRIC Declaration on grid planning and integrated markets

"A truly European approach to grid planning, together with the integration of wholesale markets, are crucial to the large scale deployment of renewable energy, including wind power, and improving security of energy supply", said EWEA and EURELECTRIC in a recent joint declaration, addressed to the European Commission, Member States, and Regulators.

The Declaration stresses the importance of linking the 10 Year Network Development Plan drawn up by European grid operators (ENTSO-E) with EU Member States' roadmaps for the development of renewable energy, due to be submitted to the European Commission later this month. "The opportunity is now to use the 10 Year Network Development Plan as a key tool for any future network development at European level". The Declaration asks that "ENTSO-E includes the following elements in its revision of its 10 Year Development Plan, due in June 2010":

- As soon as they are published, National Renewable Action Plans (NREAPs) must be incorporated into the current pilot TYNDP. The EU 2020 targets must not be undermined by inadequate grid enhancements projected in the TYNDP.
- Outline a clear set of priority projects together with a traceable timetable in order to convert the TYNDP from a mere forecast document into a concrete implementation plan.

- Enhance the TYNDP from being a compilation of National Plans to a Pan-European vision for planning grid infrastructure in line with long-term EU policy targets.

The Declaration underlines the crucial role of an integrated market. "To meet the 2020 targets, large scale European grid investments should be accompanied by a stronger momentum in the creation of a pan-European integrated electricity market."

Integration of wholesale markets, through the development of cross-border intraday and balancing markets, will contribute decisively to reducing congestion, optimising both domestic and cross-border generation capacity flexibility, improving cross-border electricity trade and integrating RES in the most economically sound way. In that respect, the market integration target models should be implemented by 2015 as it has been agreed by policy-makers and the relevant stakeholders at the last Florence Forum.

[Read the EWEA - EURELECTRIC Joint Declaration](#)

EWEA predicts a strong European market for wind turbines in 2010

EWEA recently released its forecast for wind power installations in 2010. It expects 10 gigawatt (GW) of new wind power capacity to be installed in the EU during 2010, taking total installed capacity by the end of 2010 to almost 85 GW - an increase of 13%.

Last year - a record year for wind power installation - saw 10.163 GW of new wind power capacity installed, constituting 39% of all new power capacity installed in the EU that year. Total installed wind power capacity by the end of 2009 was 74.767 GW.

"We predict another strong year for wind turbine installations in Europe, repeating the high level achieved in 2009," said Christian Kjaer, CEO of EWEA. "What is encouraging is that, unlike in 2009, the 2010 results consist of orders placed after the start of the financial crisis. This shows continued and strong investor confidence in the technology."

"It is too early to say whether, for a third year running, there will be more wind energy capacity installed than any other electricity generating technology, but it is clear that wind energy will be competing for the top spot with new gas power plants," added Kjaer.

2010 will see more installations in offshore wind power, with up to 1 GW of new capacity expected to be installed during the year compared to 577 MW installed in 2009.

EWEA expects France and Italy to again install around 1 GW each in 2010. The expected decline in installations in Spain will be more than compensated for by a doubling of installations in the new member states - led by Romania and Bulgaria - and significant growth in the UK, particularly offshore. Germany is expected to be the largest market this year, closely followed by the UK.

[Read more about wind energy capacity at the end of 2009](#)

Wind energy industry foresees 250,000 new jobs in Europe by 2020

EWEA recently announced that it expects the European wind energy sector to create over 250,000 new jobs in Europe in the next decade.



The belief that the European wind energy industry can make a serious contribution to green growth was backed by politicians of the left and right and trade unionists at a high-level meeting held on 9 June in Brussels.

Poul Nyrup Rasmussen, President of the Party of European Socialists (PES), Chairman of Lindoe Offshore Renewable Centre and former Prime Minister of Denmark; Maria Da Graça Carvalho, MEP in the Group of the European People's Party (Conservatives and Christian Democrats) and former Science Minister of Portugal; and Anne Panneels, Senior Advisor for the European Trade Union Confederation (ETUC) all emphasised the enormous potential to create new jobs in wind energy and other renewable energy technologies during a debate facilitated by the Financial Times' Environment Correspondent Fiona Harvey.

For more about the debate see [EWEA's blog](#) or its [press release](#)

European Wind Initiative: Europe launches ten year research and development plan for wind energy

As the Spanish EU Presidency launched the 'European Wind Initiative' (EWI) - a €6 billion ten year research and development roadmap for the wind energy sector in early June - EWEA said that, if properly funded, it would give European companies a competitive boost.

"The European Wind Initiative is a big step forward in our efforts to maintain and strengthen Europe's global leadership in wind energy technology", said Christian Kjaer, Chief Executive of EWEA, speaking at the SET-Plan launch organised by the Spanish EU Presidency in Madrid.



"The industry is ready to invest in accelerated R&D but the challenge is for the European Commission to come up with a plan to ensure its contribution. Other regions of the world are investing significantly more in public research than the EU and its Member States and it remains to be seen how the EU will make its contribution."

The EWI is the result of several years of joint effort by the European wind energy sector, the European Commission and EU Member States working towards three common goals, to:

- maintain Europe's technology leadership in both onshore and offshore wind power;
- make onshore wind power the most competitive energy source by 2020, with offshore wind power following by 2030;
- enable wind energy to supply 20% of Europe's electricity in 2020, 33% in 2030, and 50% in 2050;
- create 250,000 new skilled jobs in the EU in the wind energy sector by 2020.

The EWI focuses on four main technology areas: new turbines and components, offshore technology, grid integration, resource assessment and spatial planning.

For more information see [EWEA's press release](#)

In brief....

EWEA to publish NREAPs and summary

EWEA is to make available to members a summary of each of the 27 Member States' National Renewable Energy Action Plans (NREAPs) when they are released at the end of June on a members-only page of its website. The page will also contain the original NREAPs as submitted to the Commission, which will also be publicly available.

The documents will be available by logging onto [the EWEA members' lounge](#) and navigating to 'Obtain new information'.

Commission releases report on trade restriction

The European Commission (DG TRADE) has published the sixth edition of its report on potentially trade restrictive measures. It builds on the findings of the previous versions and assesses developments in third-country markets between November 2009 and end of April 2010. The report makes direct references to the wind power sector in its reports on Canada, China, South Korea and Brazil.

[Read the full report](#)

EU grid operators release 2009 data and summer outlook

The EU transmission system operators (ENTSO-E) have released their Memo 2009, which is a short extract from a wide range of data and information on its three main areas of activity: system operation, system development and market. It includes information on the generation mix in the areas covered by ENTSO-E. ENTSO-E have also released their summer outlook for 2010, which says no major critical event is expected under normal circumstances.

[Read Memo 2009](#)

[Read ENTSO-E summer outlook](#)

EURELECTRIC stresses urgency of market integration

A new report from EURELECTRIC, the association representing the electricity industry, highlights how market integration is becoming even more pressing and indispensable in order to ensure a sustainable and secure power system in the face of increasing levels of generation from renewables.

Earlier this month, EURELECTRIC released their full report on pathways to a carbon-neutral power sector in 2050.

[Read EURELECTRIC's press release](#) on market integration
[Read EURELECTRIC's full report](#) on 2050

EWEA and events

Global Wind Day 2010 – the round-up

Over 220 events took place in 30 countries around the 15 June to mark Global Wind Day across the world and inform the public of the benefits of wind power.

In Brussels, a 29.5m turbine blade, weighing over 4,000kg, dominated the EU quarter from the Schuman roundabout, and over 100 people attended a reception with entertainment and refreshments.



A wide variety of activities went on in other places. In Canada, a tour was organised of the Erie Shores wind farm in southern Ontario, which represents nearly 3% of the nation's installed wind capacity. In London, a 13.5m turbine was put up in the middle of Leicester Square. In Sweden, nearly 500 people braved the weather to experience Vattenfall's Lillgrund Offshore Wind Farm from close-by on one of the twelve trips organised for Global Wind Day. And in one of Austria's main events, a crane measuring the same height as an average onshore turbine lifted people up high to get a bird's eye view of a wind farm.

"It is fantastic to see people all around the world joining in, and learning about why wind energy is so essential for our energy future", said Julian Scola, EWEA Communication Director.

[More information on Global Wind Day](#)

Over 1,400 turbines adopted so far in EWEA campaign

The total number of wind turbines adopted as part of EWEA's 'Breath of Fresh Air' campaign is now over 1,400, while more than 1,600 people have "become a fan" of an adopted turbine on www.ewea.org/freshair.

"This is a great result so far", said Elke Zander, EWEA's Campaigns Officer. "And what is also very exciting is the fact that over half those who have adopted or become a fan so far have clicked to find out more about wind energy. It shows there is a real appetite for information on this clean, power source."

The campaign website also contains useful tools such as FAQ on wind energy, and a "how a turbine works" interactive tool.

EWEA workshops coming to Romania and Bulgaria

Two more workshops linked to the EU-funded Wind Barriers project, coordinated by EWEA, on the grid and administrative obstacles to wind energy development in Europe are coming up in Bucharest, Romania on 6 July and in Budapest, Hungary on 8 July.

Entitled 'Meeting the climate and energy challenges', they are organised by EWEA and supported by the European Commission in association with the Romanian Wind Energy Association and the Hungarian Wind Energy Association respectively.

The workshops will focus on issues including 2020 roadmaps, barriers to wind development, barriers connecting to the national grids and the opportunities offered by the EU 20% directive. Attendance is free of charge. Interpretation provided.

Full information and registration: www.ewea.org/events

GRIDS 2010: full programme online

The full programme for EWEA's upcoming GRIDS 2010 conference, to be held in Berlin from 23-24 November, is now online. The wide-ranging programme encompasses the various financial, technical, policy and regulatory issues that will shape the development of a grid that meets Europe's energy, consumer and climate needs.

You can also exhibit at GRIDS 2010 and profile your company to 500+ industry experts. The highly targeted exhibition will feature Europe's leading players in utilities, transmission and distribution, as well as other key stakeholders with interests in grid issues. Delegate registration will be open by end June 2010.

More information: www.ewea.org/grids2010.

EWEA 2011 annual event – call for abstracts launched

The call for abstracts for EWEA 2011 has now been launched. Anyone interested in submitting an abstract can [find out more here](#).

Organised by EWEA for the past 25 years, the EWEA Annual Event (formerly known as "EWEC") is Europe's leading wind energy

conference and exhibition, offering a comprehensive overview of the latest developments and vibrant networking opportunities.

More information: www.ewea.org/annual2011

South African wind industry raring to go

Considering the current size of the South African wind market (7MW of installed capacity), the spirits at the first Wind Power Africa conference were remarkably high. The conference was organised by the African Wind Energy Association (AfriWEA), and supported by GWEC as the international partner. For a first-time event, the conference was a great success with over 400 delegates attending, and around 30 exhibitors and sponsors, including a number of GWEC members.

There was much enthusiasm for what could be done in South Africa once the regulatory framework was in place, with a number of international developers already working on more than 5,000 MW of wind projects. In 2009, South Africa introduced a generous REFIT (Renewable Energy Feed-in-Tariff) of 1.25 Rand/kWh to incentivize the renewable energy industry. However, the cap for installed capacity to receive this tariff was set at a mere 400 MW, and the process to get the REFIT working seems to be quite chaotic.

During the event, the South African Wind Energy Association (SAWEA) launched a paper supported by GWEC, calling for a RE penetration of 25% by 2025, made up of 80% wind and 20% solar PV. For wind power, this would translate into 30,000 MW, generating 80 TWh per year.

Klaus Rave new GWEC Chairman

Dr Klaus Rave was unanimously elected new Chairman of the Global Wind Energy Council (GWEC) at a recent Board meeting in Dallas for a two year term. Dr Rave follows Arthouros Zervos, who had been Chairman since the association was established in 2006.

Dr Rave is one of the leading wind power experts in Europe. As Managing Director of the Investitionsbank Schleswig-Holstein, he has been involved in financing wind power projects since 1991, and he has been a strong supporter of wind energy since its early days. He also served as President of the European Wind Energy Association (EWEA) from 1999 to 2002, and is currently EWEA's Vice President.

"Klaus has been a valued ally and friend to me for many years, and I could not wish for a more suitable successor to lead GWEC at a time in which the sector is facing numerous challenges," said Prof. Arthouros Zervos, the outgoing GWEC Chairman. "I wish him all the best in this important role."

"I am excited to take on this responsible position and to lead GWEC's valuable work in promoting wind energy globally," said Dr Rave. "I thank the Board for their trust and support, and look forward to working with these leading wind power professionals to firmly establish wind power as a major energy source in countries around the world."

More information on GWEC: www.gwec.net

Blogging on wind power

Follow all EWEA's activities on our blog: www.ewea.org/blog. Recent posts include:

- 'Wind energy to help power World Cup in South Africa'
- 'Googling towards a wind-driven future'
- 'China and India look to offshore wind power to feed their green electricity needs'



Market and industry updates

Denmark

Vestas announces deep water offshore research project

Vestas has revealed it is working on developing offshore foundations allowing wind turbines to be built in depths of up to 70 metres.

The company been given financing worth over €16 million by the Danish government to develop both a "cost-effective" deep water offshore foundation, and an energy storage facility that can be integrated into a wind farm

[More information](#)

Germany

Siemens wins North Sea grid connection deal

Siemens has won a €500 million order from transmission system operator Transpower to connect two North Sea wind farms to the grid. The two farms - Veja Mate and Global Tech 1 - will have a combined capacity of 800MW. The projects are located 125km northwest of the island of Borkum.

[More information](#)

GL Garrad Hassan to manage offshore wind research platform

The German Ministry for the Environment has appointed GL Garrad Hassan to manage the offshore wind research platform FINO 2, in the Krieger's Flak area of the Baltic Sea, for the next three years.

The company's role will include the overall operations and maintenance of the platform, as well as managing the research programme and associated technical data.

[More information](#)

South Africa

[Wind powering football World Cup](#)

South Africa, the host country of the 2010 FIFA World Cup, is using a 1.8 MW Vestas turbine to provide power to the Nelson Mandela Bay stadium in Port Elizabeth during the whole World Cup free of charge. The project is being coordinated by Belgium's Electrawinds.

[More information](#)

UK

DONG launches 172 MW offshore wind project

Denmark's DONG Energy has now opened its 172 MW project at Gunfleet Sands in the Thames Estuary, UK. Set 7km off the coast, Gunfleet pushes the UK over 1 GW of installed offshore wind capacity.

[More information](#)

US

Iberdrola projects in Arizona and Texas

Officials in Navajo County, Arizona, have approved a 65MW wind project proposed by Iberdrola Renovables. The farm will contain up to 43 wind turbines with a maximum total capacity of 65.1 MW. Iberdrola has also now started up the Peñascal wind farm in the state of Texas. This is the largest facility operated by the company worldwide with installed capacity of 404 MW, and should provide power to 150,000 average households.

[More information](#)



Photos: P2 – DONG Energy; P3,4,5,6 – EWEA.