



BELLONA PRESENTS

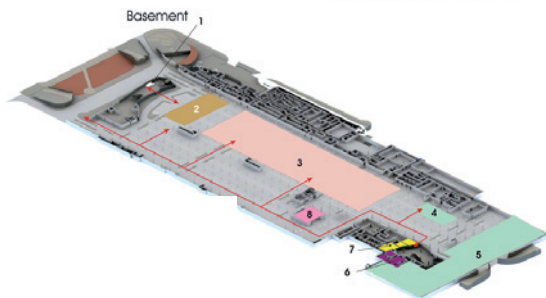
101 SOLUTIONS

DURBAN 28. NOV - 9. DEC 2011

PROGRAM
SIDE EVENTS

BELLONA

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Bellona
Room 14



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WEDNESDAY 30. NOV

■ 13:00 - 15:30

How Ethical Guidance Would Change Durban Outcomes.

What Practical Difference Would be Entailed for the Durban Negotiation Agenda If Climate Change Was Seriously Taken as a Human Rights Problem, and second, What is The Ethical Significance of the Ideological Climate Science Disinformation Campaign That Has Been Waged in the United States and Several Other Countries.

Speakers:

Donald A. Brown, Penn State University, USA

Stephen Gardiner, University of Washington, USA

Marilyn Averill, University of Colorado at Boulder, USA

Kathryn Kintzele, Center For Humans And Nature, USA

Jon Rosales, St. Lawrence University, USA

Kenneth Shockley, University of Buffalo, USA

■ 15:00 - 16:30

The Drivers of Deforestation Today

In 2011 and 2012, SBSTA has been tasked with an in-depth examination of the drivers of deforestation and their relation to REDD+. In this side event, major international NGOs will present recent findings on the drivers of deforestation and the ways that they can be dealt with successfully.

Speakers

Doug Boucher, Union of Concerned Scientists, USA

Earl Saxon, Union of Concerned Scientists, USA

Roman Czebiniak, Greenpeace International, USA

Fred Stolle, World Resource Institute, USA

Geri Steindlegger, World Wildlife Fund, USA

Andrea Johnson, Environmental Investigations Agency, UK

THURSDAY 1. DEC

■ 13:00 - 14:30

24 Hours of Reality

24 Presenters. 24 Time Zones. 13 Languages. 1 Message. 24 Hours of Reality was a worldwide event to broadcast the reality of the climate crisis. It consisted of a new multimedia presentation created by Al Gore and delivered once per hour for 24 hours, representing every time zone around the globe.

Speakers:

Larry Schweiger, NWF, USA

Al Gore (live on video), USA


■ 15:00 - 16:30

Using Interactive Computer Simulations for Energy and Climate Policy Results: C-ROADS and En-ROADS

Travis Franck will share stories of how analysts and advocates can use interactive tools towards better climate results. Attendees will leave the session with knowledge of a library of interactive climate and energy tools, widgets, role playing exercises, and simulations. Dr. Franck will share Climate Interactive's insight into how simulations improve stakeholder understanding and decision-making.

Speakers:

Travis Frank, Climate Interactive, USA



Power stations are responsible for almost a third of the EU's greenhouse-gas emissions. In the EU, Bellona is striving to introduce an emission limit of 150 grams CO₂ per kilowatt hour of electricity produced. In practice, this would mandate CO₂ capture and storage in coal and gas power stations. The limit could initially be set a little higher and apply only to new power stations. But over the next 20 years, all fossil-fuel-fired power generation without CO₂ capture and storage must be phased out in Europe.

FRIDAY 2. DEC

■ 11:00 - 12:30

Blue Carbon and the Ocean Forest Project

Oceans are important habitats for life and act as a very important carbon sink. Preserving coastal ecosystems such as mangroves has shown to avoid emissions due to loss and destruction while the cultivation of algae has shown to be able to pull the CO₂ out for the water. Such measures can help reduce the impacts of climate change and ocean acidification. New insights from sustainable aquaculture practices have looked into how the reuse of nutrients and growth of biomass can provide a powerful climate mitigation option. Bellona Foundation will present on their concept for Integrated Aquaculture. IUCN will present their on-going work on nature-based mitigation through coastal carbon management and Pusan University will share results from their experiment in farming seaweed as a climate mitigation option.

Speakers:

Ik Kyo Chung, Pusan University, Korea

Dorothee Herr, IUCN, Blue Carbon Report, Luxembourg/USA

Frederic Hauge, President Bellona Foundation

■ 13:00 - 14:30

What is Carbon Capture and Storage and why is it so Important to Tackling Climate Change?

There are many current and post-2012 architectures being discussed and negotiated including: technology; policy; finance; legal, trade etc and they are all reliant on each other to come together in a complementary and timely fashion. How can CCS leverage best these to assist delivery of substantial global abatement?

Speakers:

Barry Jones, General Manager, Global CCS Institute

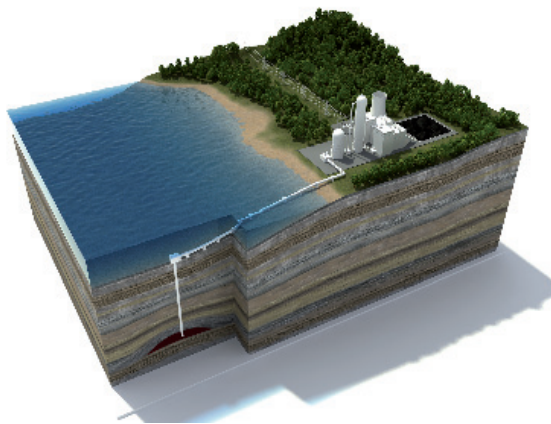
Henry Derwent, CEO, IETA

Natalia Kulichenko-Lotz, Senior Energy Specialist, World Bank

Russel Mills, Global Director of Energy & Climate Change Policy, Dow Chemical

Paul Curnow, Baker & McKenzie

Frederic Hauge, President Bellona Foundation



■ 15:00 - 16:30

Feeding the World, While Protecting Forests

International forest protection efforts have focused on ways to restrict the conversion of forests through compensation systems to reduce the supply, but only now are policy makers turning to ways of reducing the demand for converting forest land. That means finding ways of controlling demand for food, fiber and biomass, and satisfying demand by boosting yields or by exploiting underutilized land. Are these efforts likely to be effective and significant, and if so, how should they proceed? Leading experts present the latest data and make policy recommendations for enhancing food security while reducing emissions from land-use change.

Speakers:

Michael Obersteiner, International Institute for Applied Systems Analysis, USA

John-O Niles, Tropical Forest Group, USA

Nathalie Walker, National Wildlife Federation, USA

Gerald C. Nelson, Senior Research Fellow IFPRI, Theme Leader, Professor Emeritus UIUC, **CCAFS**, USA

MONDAY 5. DEC

■ 08:30 - 10:30

Energy+ Interim Group Meeting

Interim meeting for founding partners of the Energy+ Initiative.

By invitation only.

■ 11:00 - 12:30

Voluntary certification and commodities roundtables: Combating the root causes of tropical deforestation and supporting subnational REDD+

For tropical governments to achieve their reduced deforestation and climate change mitigation goals, REDD+ and must address ubiquitous deforestation drivers. Credible, voluntary certification and roundtable commodities standards exist, and are being increasingly adopted. In this event panelists will explore:

- The potential scale of impact widespread adoption of certification and commodities roundtables can have on national and subnational deforestation and climate mitigation goals.
- Opportunities for these standards to complement REDD+ and other related programs; Barriers to increased adoption of these standards.
- Next steps to better reconcile these standards with REDD+ and national agricultural development and food security priorities.

Speakers:

Jeff Hayward, Rainforest Alliance, USA

Mark Morge, Rainforest Alliance, USA

Nathalie Walker, National Wildlife Federation, USA

Others (TBA)

■ 13:00 - 14:30

Incentivising CCS

■ 15:00 - 16:30

Carbon Negative

The next IPCC report will tell us that carbon negative approaches need to be deployed on a massive scale. Which carbon negative approach do we have, and how can we meet this challenge without resorting to risky geo-engineering?

Speakers:

Frederic Hauge, Bellona Foundation, Norway

■ 17:00 - 18:30

Roundtable on Fossil Fuel Subsidy Reform (GSI) Invitation only

How can fossil fuel subsidy reform benefit the UNFCCC process and become one of the early deliverables for climate finance. Can reporting and NAMAs become instrumental in this reform? A recent World Bank report shows that if developed countries transferred \$10 billion from fossil fuel subsidies to climate finance, this could kick start the \$100 billion Green Climate Fund and pay for real solutions that cut emissions, create jobs and help the most vulnerable countries adapt to climate change.

Speakers

Peter Wooders, Global Subsidies Initiative, Switzerland

Steven Kretzman, Oil Change International, USA

Representative World Bank, USA (TBC)

Friends of FFS reform (TBC)

■ 19:00 - 20:30

Climate Change in High Alpine and Polar Regions: Similar Impacts, Similar Solutions?

Climate change is occurring twice as fast in regions such as the Arctic, Himalayas, Andes, and Antarctic Peninsula than in the rest of the globe, with temperature rises over the past 50-100 years strikingly similar despite the great distances separating them. What are the dynamics driving such rapid change, and are “cryosphere-specific” mitigation measures needed to slow changes in these regions on a more near-term time scale? How much of the earth’s high alpine and other cryosphere regions can be preserved, and what are the global implications if they are not? A panel discussion with representatives and experts from some of the most climate-impacted places on earth.

Speakers:

ICCI

ICIMOD

Arctic Council representatives and others.

TUESDAY 6. DEC

■ 09:00 - 10:30

Is the U.S. doing anything to reduce its greenhouse gas emissions? Details from the front lines

In Copenhagen the U.S. committed to reduce its emissions 17% below 2005 levels by 2020. With the failure to pass a comprehensive climate bill, there are questions around what the U.S. is actually doing to reduce its emissions. What impact will its existing tools have on its emissions? This event will provide details on the efforts to reduce the global warming pollution from power plants and the transportation sector, including new regulations for cars and trucks, the pending greenhouse gas regulations for new and existing power plants, and what is happening to uncontrolled coal plants in the U.S. Presenters will also discuss California's aggressive renewable efforts and its cap-and-trade program.

Speakers:

Jake Schmidt, Natural Resources Defense Council, USA

Alden Meyer, Union of Concerned Scientists, USA

David Hawkins, Natural Resources Defense Council, USA

Justin Guay, Sierra Club, USA

■ 11:00 - 12:30

Alternative markets for CERs in the absence of a new global climate deal

In the absence of a new global climate deal the existing compliance-driven demand for CERs generated by CDM projects is like to be curtailed as from the end of the first Kyoto commitment period. IMBEWU, Evolution Markets and EcoMetrix Africa present a Side Event, featuring a distinguished speakers' panel comprised of market experts, who will present considerations for future alternative markets for such CERs and an assessment the potential of such alternative markets.

Speakers:

Dr. Axel Michaelowa, Senior Founding Partner, Perspectives GmbH. Germany

Tim Stumhofer, Senior Program Associate, Greenhouse Gas Management Institute, USA

Speaker on behalf of the EU (TBC)

Speaker on behalf of the nascent Australian ETS. (TBC)

Speaker on behalf of the nascent Californian ETS. (TBC)

■ 13:00 - 14:30

An Update on the Global Status of CCS Projects in the Developed and Developing World

A substantive effort is required to mobilise the resources to support the CCS development path needing to be realised over the next few decades. This side-event provides an update to the Institute's latest stocktake of CCS projects; related policy and regulatory matters in 2011.

Speakers

Brad Page, CEO, Global CCS Institute

Olav Falk-Pedersen, TCM Mongstad

Bo Diczfalussy, Director of Sustainable Energy Policy and Technology, IEA

Graeme Sweeney, Executive VP, Future Fuels & CO2 Shell Chairman, EU ZEP

Philippe Joubert, Deputy CEO, Alstom

Rigard du Plessis, General Manager: Carbon Capture and Storage, Sasol New Energy

■ 15:00 - 16:30

The Current Climate Environment in the United States: From Solyndra to the 2012 Election

Speakers

Stephen Lacey, Climate Progress Reporter, «The Post-Solyndra Reality in American Clean Energy Policy», USA

Rebecca Lefton, Policy Analyst, «US International Linkages Outside the UNFCCC: From the Indonesian Compact to Civil Aviation in the EU ETS», USA

Andrew Light, Senior Fellow, «Climate Change and the 2012 Elections: A Report on US Public Opinion», USA

■ 17:00 - 18:30

Mitigation of Black Carbon in the Himalayas, Arctic and Andes: A Means to Slow Glacier and Ice Loss?

The UNEP/WMO Integrated Assessment of Black Carbon and Ozone highlighted the positive impact black carbon reductions would have on regions with snow and ice, despite remaining uncertainties on the more global scale. What similarities are there between the Arctic and Himalayas, the Andes or even Antarctica, when it comes to black carbon? What “BC” mitigation steps might be taken in cooperation between these regions? An exploration of options based on the early findings of the UNEP Assessment.


Speakers:

ICIMOD

UNEP

ICCI

Others

A low-angle, upward-looking photograph of two white wind turbines. The turbine on the left is in the foreground, showing its tower and nacelle. The turbine on the right is further away, appearing smaller. The sky is a clear, deep blue. The text is positioned in the upper right quadrant of the image.

The advantages of exploiting off-shore wind power are that the wind over the ocean is stronger and more stable than on land and the areas available for generation are greater. 70 percent of the earth's surface is covered by sea.

WEDNESDAY 7. DEC

■ 09:00 - 10:30

Tar Sands – Tight Fossils and the Climate

Oil and gas companies are going deeper and prospecting oil and gas in rock and sand in order to maintain fossil fuel production causing excessive energy, groundwater and chemical use as well as damage to habitats and waterways. Exploiting all these resources will exceed the carbon budget allowed to stay within the 2 degree target agreed upon in at COP15 in Copenhagen.

Speakers:

Svend Søyland, Bellona Foundation

Elisabeth May, Sierra Club Canada

Dave Hawkins, NRDC, USA

Greenpeace TBC

■ 11:00 - 12:30

Reducing Emissions of HFCs and Shortlived Climate Forcers

The Montreal Protocol is hailed as one of the most successful multilateral environmental agreements reaching key targets ahead of schedule. How could the Montreal Protocol administer the challenge of rapidly phasing out HFCs?

Speakers:

Durwood Zaelke, Institute for Governance and sustainable development, USA

Milton Catelin, Montreal Protocol negotiator Australia

Kuni Shimada, Japan (TBC)

Svend Søyland, Bellona Foundation Norway

■ 15:00 - 16:30

Carbon Capture and Storage A technology for significant GHG mitigation

For deep emission cuts, CCS is a key emissions abatement option. In a scenario in which technological options would be applied to reduce global CO₂ emissions by 50% between now and 2050, The International Energy Agency projects that it would require a reduction of 43 gigatonnes (Gt) of CO₂ in 2050. In addition to energy efficiency and renewable energy, carbon capture and storage (CCS) is expected to make a significant contribution of 19% to reduction targets by 2050. Significant barriers to the deployment of this technology remain in both the power and industry sectors, in both developed and developing countries. Despite a prolonged debate regarding the suitability of CCS as a technology for the CDM, it was identified as project activity at COP 16. This side event explores the barriers and the current and futures action being taken to overcome them and present the collaborative work that the agencies have undertaken to promote concerted action.

Speakers:

Ms. Eli Blakstad State Secretary, Ministry of Petroleum and Energy, Norway

Mr. Mark Bonner Principle Manager, Global CCS Institute, Australia

Mr. Richard Baron Head, Climate Change unit IEA, France

Mr. Pradeep Monga Director, Energy and Climate Change UNIDO

■ 17:00 - 18:30

Energy+ Sectorial approach working group

By invitation only

SAHARA
FOREST
PROJECT



www.saharaforestproject.com

THURSDAY 8. DEC

■ 15:00 - 16:30

INTERNATIONAL ENERGY AND CLIMATE INITIATIVE – ENERGY+

The Government of Norway launched the Energy+ initiative at the “Energy for all – financing access for the poor” conference in Oslo on 10-11 October 2011. The goal of Energy+ is to help achieve universal access to sustainable energy and reduce greenhouse gas emissions in developing countries by scaling-up access to renewable energy sources and increased energy efficiency. The strategy of Energy+ is to use Official Donor Assistance (ODA) in a results-based manner to mobilize private investment in energy access through markets for energy efficiency, energy related commodities, household energy systems, mini-grid systems and on-grid projects in developing countries. Energy+ builds on the success and conceptual framework of REDD+ (reducing emissions from deforestation and forest degradation) in developing countries. The Energy+ Partnership comprises more than thirty countries and institutions that agree with the principles set out in the Energy+ Guiding Principles.

This side-event will present the Energy+ Partnership and encourage a discussion with private investors and others around how The Partnership might best be able to support efforts aimed to scale up private / commercial investment in renewable energy and energy efficiency.

Welcome Address, **Erik Solheim**, Minister of Environment and Development, Norwegian Ministry of Foreign Affairs

Presentation of Energy+, **Hans Olav Ibrekk**, Policy Director,
Norwegian Ministry of Foreign Affairs

Introduction to Panel Discussion, **Ole Andreas Lindeman**,
Energy+ Ambassador, Norwegian Ministry of Foreign Affairs

Speakers:

Arvinn Gadgil, Policy Advisor, Norwegian Ministry of Foreign
Affairs

Simon Zadek, South Africa Renewable Energy Initiative

Daniel Kammen, World Bank (TBC)

Representatives from private sector (TBC)

■ 17:00 - 18:30

Sahara Forest Project - showcasing a prototype “energy for all” project

The Sahara Forest Project (SFP) is a unique combination of tried and tested low-tech environmental solutions combined to create highly desirable synergies to enable restorative growth, defined as re-vegetation and creation of green jobs through profitable production of food, freshwater, biofuels and electricity. While society still strives to realize that sustainable solutions which must replace the traditional extractive use of resources, SFP offers the potential for restorative practices.

Speakers:

Frederic Hauge, President Bellona Foundation

John Kadysewzki, Winrock International, USA (TBC)

FRIDAY 9. DEC

■ 14:00 - 15:30

Climate Finance – finding the first billion to the Green Climate Fund

Once the Green Climate Fund has an approved governance structure in place, industrialised nations will have to identify sourcing. The UN High Level Advisory Group on Climate Finance presented a broad suite of options. Many of these had challenges adversely affecting the poorest often referred to as “no net incidence”.

What are the most likely early funding streams?

Speakers:

Andrew Light, Center for American Progress, USA

Kjetil Lund, Ministry of Finance, Norway

Pavan Sukdev, Deutsche Bank/UNEP FI (TBC)

Bellona Foundation Durban Team:

Frederic Hauge, Founder and President

Svend Søyland, Senior International Adviser, svend@bellona.org

Jonas Helseth, Deputy Director, Bellona Europa, jonas@bellona.org

Magnus Borgen, Head of Communication, magnus@bellona.no

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Speakers and program is subject to change. Please consult bellona.org for updated program

B E L L O N A P R E S E N T S

101 SOLUTIONS

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In collaboration with:

Global CCS Institute
Test Center Mongstad
Ministry of Foreign Affairs
Zero Emission Platform (ZEP)

Affiliated partners:

Climate Interactive, Ecometrix, Evolution Markets, Global Subsidies Initiative, IMO, International Climate Cryosphere Initiative, Institute for Governance and Sustainable Development, National Wildlife Federation UNIDO, Union of Concerned Scientists, Sahara Forest Project

Contributors:

Environmental Investigation Agency, Global Climate Network, Greenhouse Gas Institute, Greenpeace, IMBEWU, International Energy Agency, International Institute for Applied Systems Analysis, International Union of Conservation of Nature, Natural Resources Defense Council, Norwegian Ministry of Finance, Norwegian Ministry of Oil and Energy, Oil Change International, Perspectives GmbH, Pusan University, Rainforest Alliance, Sierra Club, Tropical Forest Group, United Nations Development Programme, United States Center for American Progress, Winrock International, World Resource Institute, World Wildlife Fund



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