



**WORLD BIOENERGY  
ASSOCIATION**

# Annual report 2011



[www.worldbioenergy.org](http://www.worldbioenergy.org)

# ANNUAL REPORT FOR THE FINANCIAL YEAR 2011

The Board presents the following annual report.

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# ADMINISTRATION REPORT

## 1. Letter from the President

Dear WBA members,

**IT IS NOW TIME FOR THE WORLD BIOENERGY ASSOCIATION (WBA)** to present its third annual report. During this relatively short time the association has made some amazing developments from the first board meeting connected to the World Bioenergy 2008 Conference in May, where we also had our launching ceremony. Today the WBA is the global representative of bioenergy in the International Renewable Energy Alliance (REN Alliance) and an official observer to the UN process for combatting climate change. Just to mention a couple examples of the recognition we have got.

The REN Alliance consists of five global associations dealing with renewable energies. Together we have started up a good collaboration with IRENA the International Renewable Energy Agency based in Abu Dabi and the IRENA-ITC, the Innovation and Technology Center based in Bonn . We are developing the collaboration within the REN Alliance partners and have invitations from a couple of governments to place the joint office in their country. This is very promising, as renewables need to build a strong counterpart to those who would wish to stop or slow down our growth.

However, it is obvious that these energy sources, which up until only a short time ago, were called alternatives, is now the main stream. In December Bloomberg reported that one trillion dollars was invested globally in renewable energy since tracking began 7 years ago and during 2011 the investments in renewable energy industry reached a record of 260 billion dollar. In 2011 investments to renewable energy surpassed fossil fuels for the first time. Despite difficult economic and investment conditions the renewable energy revolution has started and it seems that it is also becoming a smart investment considering it is proven to grow even throughout the most testing economic environment. According to Global Status report on renewables, REN21, some 119 countries had national renewable energy policy target or support policy in place during 2011.

Sustainable bioenergy is more and more recognized as the important building block in a renewable energy system and which is easily integrated into today's infrastructure even in the transport sector. During the year the Intergovernmental Panel on Climate Change (IPCC) pointed out the importance of biomass for energy. Also our collaboration with IEA Bioenergy is deepening through collaboration on conferences and mutual discussions on related issues. WBA has also been able to give input to the UN Secretary-General, Ban Ki-moon High Level Panel on Sustainability and the WBA supports the launching of 2012 as the year of "sustainable energy for all".

The purpose of WBA is to promote the increasing utilisation of bioenergy globally in an efficient, sustainable, economic and environmentally friendly way. The WBA project on building a voluntary based system to assure sustainability in raw material is on its way now. The scheme is based on the scientific reports produced by the Swedish University of Agricultural Sciences and launched 2010 by WBA at COP 16 as "Certification Criteria for Sustainable Biomass for Energy. Now the document "Sustainable Biomass for Energy – WBA Verification Scheme" is finalized. It is a guidebook for an independent auditor to verify that the sustainability criteria are met. The verification scheme is now under discussion with environmental NGO's and companies willing to test the system. The next step is to offer producers and users of biomass for energy to use the scheme and label. Even though we have some work to do on the governance of the system and connect to the different stakeholders to recognize the system it all looks very promising.

WBA's message to COP 17:

**In 2040 there should be no country on the globe that emits more than 2t CO<sub>2</sub>/capita per year and as many countries as possible that emits less.**



At the COP17 meeting in Durban, South Africa, WBA as an official observer organization to COP processes was able to launch the “Durban Initiative - Concerned countries moving ahead” to speed up the process to “not to exceed the 2 degree target” and how this could be done. This initiative was distributed to governments, press, NGOs and as a letter to the President of the COP 17, Ms Maite Nkoana-Mashabane from South Africa.

Although, as we state in our Durban Initiative, a process based on unanimous legal binding decisions is too slow, however some progress was made in Durban:

The decisions that were made are a package including many complex and technical parts. The parts on mitigation are a second commitment period for Kyoto protocol to start January 2013, outside the protocol 89 countries secured mitigations plans from now until 2020, and last but not least the meeting identified the path to future legal framework that cover all nations in the world.

The Kyoto protocol only covers 15% of global emissions but the governments confirmed further actions outside the protocol. Under the convention all industrialised countries + 49 developing countries have made pledges covering the time from now to 2020. These pledges cover 80% of global emissions and were confirmed in Durban but will take place outside of a legal framework. This leads to a new path that all countries agreed to negotiate a new agreement. This negotiation will take place under a new body, the Durban platform, and the work should be completed of a roadmap to 2015 with a new legal instrument or agreed outcome with legal force by 2020.

The infrastructure to support developing countries was agreed: to launch the Green Climate Fund through adoption of its governing instruments. The Climate Technology Centre and Network was launched through the adoption of its terms and references. An Adaption committee was also launched in Durban to coordinate and guide adaption actions.

Besides increasing investments and national policies the international climate policy has become an important driver for sustainable energy. For biomass this is good news as biomass is the easiest to implement in the energy infrastructure of today by replacing fossil fuels with sustainable biomass.

WBA has a very competent board, representing a number of different geographical areas as well as a wide-array of specialities within the global bioenergy industry. We have also been able to add a nominating committee including 5 members and also 5 alternate board members. Through its board members, WBA has gained recognition and approval around the world.

Our collaboration with the REN Alliance has also led to a new start of the relationship with the International Renewable Energy Agency (IRENA), an intergovernmental organisation with 149 member states.

WBA's message to COP 16:

**Certification Criteria for Sustainable Biomass for Energy – Necessary to Create a Global Market**

WBA's message to COP 15:

**Global Potential for Bioenergy Sufficient to meet Global Energy Demand**



## “The purpose of the WBA is to increase the use of bioenergy worldwide in a sustainable way”

Today we have 52 members, which is a good start, but a number we hope to see grow substantially in the near future. In addition to extending our reach by adding individual organisations and associations to our ranks, WBA also hopes to add more transnational members, similar to early supporter and current member AEBIOM, the European Bioenergy Association, which indirectly brings roughly 4,000 members into the WBA network. As we continue to intensify our work in the coming years, we are confident that more organisations and enterprises will come to see the benefits of the WBA network and its potential to affect policy and facilitate commercial opportunities for its members.

WBA also plans to work harder to help create new national bioenergy organisations around the world, which we expect will play important roles as umbrella organisations in their respective countries similar to the way that WBA does on a global level. During the year initiatives and discussions have started to build bioenergy associations in many countries and India is on its way with the legal framework cleared and African Bioenergy Association was launched 2011.

In addition, WBA will continue to make progress on the accepted Action Plan and for now we are following the 3-year plan to get WBA self-financed.

We are happy to announce that all parts of the BioenergyConnect according to technology platform and marketing are in place. It is very important to open this Business and Research Platform, which will function as a global marketplace and networking centre for companies, researchers, and others. When we have got enough members joined to the platform we will open it but we want to be sure that outcome will be successful from start so we think that a critical mass of buyers and sellers is important.

The results of WBA's work have been spread to members through our member letters and website but also via our attendance at major conferences and exhibitions.

WBA has spread its message at presentations not only at conferences, exhibitions and work-shops but further through the release of the position paper on Green Climate Fund, the launch in social media of the world bioenergy association group at LinkedIn, the launch of the WBA Durban initiative and last but not least the presentations on our “Sustainable Biomass for Energy – WBA Verification Scheme” for stakeholders.

We look forward to what we expect will be a successful 2012, filled with more exciting developments for WBA in terms of expanding and strengthening our network, as well as raising our profile on the international stage and getting the financing of WBA in line.

**We thank those who serve in our Board and Secretariat.  
We thank you our members for your support.**



A handwritten signature in black ink, appearing to read 'Kent Nyström', written in a cursive style.

Kent Nyström, President World Bioenergy Association

## 2. WBA Summary of Achievements

The World Bioenergy Association (WBA) is the global organisation dedicated to supporting and representing the wide range of actors in the bioenergy sector. Its members include national and regional bioenergy organisations, institutions, companies and individuals.

The purpose of the World Bioenergy Association (WBA) is to promote the increasing utilisation of bioenergy globally in an efficient, sustainable, economic and environmentally friendly way.

Since its foundation in May, 2008, the WBA has been working to address a number of pressing issues including certification, sustainability, standardisation, bioenergy promotion, and the debates about bioenergy's impact on food, land-use and water supply.

The WBA's vision is to:

- » Ensure a fair distribution of the world's biomass for energy resources
- » Drive initiatives that encourage environmentally friendly and sustainable bioenergy production
- » Demonstrate the potential of bioenergy as a strategic renewable and sustainable resource

At some point during 2012 the WBA will become a fully self-financing organisation. This financing will come from three different sectors: Membership, BioenergyConnect and the Sustainable Biomass Label. More members from national and regional bioenergy associations, organisations, and companies around the world are very important for the growth and strength of the Association.

BioenergyConnect will drive the development of bioenergy further for industry technology development and research wise but it will also support the work on sustainable biomass for energy. To reach the goal to be a self-financed body a 3-year business and development plan is set up. Since its foundation and until the end of 2011, the WBA has been supported by the Swedish Energy Agency, Swedish Agency for Economic and Regional Growth and the Swedish Board of Agriculture.

The results of the work completed through 31 December 2011 can be summarised as follows:

- » In March, WBA held its second General Assembly and Steering Committee meetings in Wels, Austria in connection to the European Pellets Conference and Exhibition, 2011. Some comments from the meeting were that the board was already elected for 2 year as

well as the president so the next new election will be in 2012. Kent Nyström, who has long been a driving force to develop WBA further announced that he was going to be stepping down as President at the next steering committee (SC), 2012. SC decided that the board should establish a nominating committee for the next year's election. This has been executed and the Convenor is Bo Hektor, Sweden. SC also decided to have alternate board members at this meeting and 3 persons were decided for one year. Some changes on the alternate have been taken over the year and today following persons are alternate board members; Jean-Marc Jossart, Aebiom, Belgium, Miguel Trossero, Bioenergy Strategies, (former FAO), Argentina, Vivian Zheng, National Bioenergy, China, Philip Peck, IIIIEE, Australia, Shota Furuya, ISEP, Japan

- » To move forward on the Sustainability Label for biomass WBA have started cooperation with a Spanish consultant, who is responsible for developing our sustainability project to a verification scheme.
- » To move forward on the BioenergyConnect WBA have contracted since November the new WBA Director of Communications based in London.
- » Lets become serious and start the "Durban Initiative - Concerned countries moving ahead" 2°C - 2t CO<sub>2</sub>/capita in 2040; the WBA initiative at the COP17 was launched on the 6th of December and distributed to the COP17 president H.E. Ms. Maite Nkoana-Mashabane, to heads of states, press, other NGO:s at the meeting. The launching was followed of a press conference at the COP17 on the 8th of December. The initiative is reported on WBA Website.
- » The second WBA Position Paper: "Certification Criteria for sustainable biomass for energy" was released at the COP 16 climate negotiations in Cancun December 2010. This paper has been presented during 2011 in several conferences, workshops, as a poster and discussed during various context worldwide as well as reported on our website. This has further been developed to the earlier mentioned scheme, SBVS.
- » The World Bioenergy Award in cooperation with the event World Bioenergy Conference & Exhibition producers was not executed 2011 as the event is bi-annual so next time is May 2012.
- » The WBA has accumulated 73 members from it's inception of which 19 are currently in negotiation for renewing their membership. These direct members have supplied us with more than 5000 indirect members.

- » WBA started during 2011 to elaborate if Workshops, seminars and conferences could be a way to come forward in developing new revenue streams to WBA. Therefore WBA launched two different themes, Global Bioenergy Outlook and Bio-trade Equity Fund – an investment initiative to reduce risks of investing in biomass supply chains.
  - a) WBA started up at the European Pellets Conference in Wels in March in collaboration with the European pellets Council under the title “Biomass in a global perspective – Possibilities to increase the supply of sustainable biomass for energy”. We had some 30 delegates on the workshop and the meeting turned out to be a very fruitful sharing of experience and technology.
  - b) Next WBA Workshop was held in conjunction to the European Biomass Association EU Conference in June in collaboration with IEA Task 40 and Aebiom under the title “Bio-trade Equity Fund – Reducing the risks of investing in biomass supply”. We had some 30 delegates on the workshop.
  - c) The next WBA Workshop was held in conjunction with the Nordic International Bioenergy Conference in Jyväskylä, Finland under the title “Global Bioenergy Outlook”. We had some 20 delegates.
  - d) The second WBA workshop on the Bio-trade Equity Fund was held in collaboration with the Canadian Bioenergy Association, IEA Task 40, and Hawkins-Wright in November in London under the title “Bio-trade Equity Fund – a vehicle that will ease investment in bioenergy conversion plants and supply chains worldwide at reduced risks”. We had some 70 delegates on the workshop.
- » The WBA was chosen as the organization to represent the bioenergy sector as a member of the International Renewable Energy Alliance (REN Alliance). This membership has led WBA to play an important role in several gatherings including IRENA meetings, ILO meetings, COP17, etcetera. This year we have finished the study on renewable technology skills for ILO and EU. During the meetings of the transitional committee to the Green Climate Fund, (GCF), the partners have developed a position paper on the GCF and the work has been followed by the WBA as an official observer represented in the meeting of the transitional committee to the GCF.
- » WBA was represented at the COP 17 meeting in December in Durban, South Africa as an official Observer. Our mission was to launch the Durban initiative about reaching the 2 degree target but also to increase the WBA's presence globally and to enlarge our networking influence.
  - WBA had a joint booth / stand for 2 weeks in competition with many others.
  - WBA held a press conference slot also in competition with many others - WBA posted a letter to heads of states, press, other NGO's and the President for COP17, H.E. Ms Maite Nkoana-Mashabane - WBA together with the REN Alliance partners, held a side event in cooperation with World Future Council. Our workshop had the headline “Renewables working together – New Financing Schemes in developing countries – the Green Climate Fund”. There was a good attendance of our side event with about 70 participants.

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## Build a strong future for modern sustainable bioenergy by joining WBA!

The importance of modern bioenergy and the huge unexploited amounts of sustainable biomass for energy available must be communicated to politicians and other decision makers, investors and the public. World Bioenergy Association is working to spread knowledge about the benefits that efficient use of sustainable biomass for energy gives all over the world.

[worldbioenergy.org](http://worldbioenergy.org) »

### 3. Membership Report

WBA brings together 15 national/regional associations (as per December 2011) from all over the world. These members span from the newly formed African Bioenergy Association, ABA to the older and more developed European Bioenergy Association, AEBIOM. These 15 associations' member's consists of more than 30 national bioenergy associations and direct and indirect more than 5000 companies and others. So WBA has more than 5000 indirect members. During the year the Indian Bioenergy Association has been working on the formalization process and is now in the phase of launching. More than 37 companies and individuals have joined WBA and many more are on their way. Members have joined to create a forum across all bioenergy sectors, to develop a better understanding about bioenergy tasks, and to initiate global outreach communicating the benefits of putting sustainable bioenergy to greater use worldwide.

#### The structure of membership

WBA welcomes Associations, Companies and Individuals as members.

WBA offers three types of membership:

- » Full Members: national or regional associations.
- » Associated Members: companies, researchers, organisations or any other kind of bodies not covered by full members.
- » Individual Members

#### If not member yet - Why should you join?

Your membership will make the WBA stronger and more effective in achieving its goals. The WBA is the key Bioenergy organisation working at an international level influencing politicians and industry leaders to support the shaping of frameworks that can further develop and promote bioenergy as the leading global renewable energy sector. As the Association grows and spreads so does its influence. Add your voice to the global bioenergy movement!

#### Who are the WBA?

Formed in May 2008, the WBA is one of five renewable energy bodies that form the Renewable Energy Alliance. WBA is recognised as the peak bioenergy body by the UN, IPCC, European Commission, and the world's regional and national renewable energy, biomass and bioenergy associations. With its secretariat based in Stockholm, the WBA board is drawn from 11 countries, with all continents represented.

#### What have we achieved thus far?

Since day one the Association has delivered research papers and position statements on energy from biomass, and the potential for expanding bioenergy development around the globe.

We stimulate and support the development of bioenergy associations by supporting initiatives with information on our website and in person, and we are contributing to the development of criteria and processes for certification of sustainability for international trading of biomass and bio-fuels. WBA is now able to offer a Sustainability Verification Scheme to be used as a guidebook for an independent auditor to verify that the WBA sustainability criteria are met.

We support business to business interaction in the sector. For example: with the BioenergyConnect web-based networking facility. BioenergyConnect is a tool for technology transfer and capacity building:

We recently hosted a 3-continent business-to-business event in Asia and we are supporting a European event to develop an equity fund to invest in biomass supply chains worldwide. In short we are working to enable bioenergy businesses to pursue existing and new markets in better ways – and to communicate their efforts to potential partners and stakeholders worldwide.

#### Meetings WBA has been active in during 2011.

We have been involved as speakers, participating in workshops, collaborations, posters, exhibitions, panels, business match -makings, sponsors etc. At all these meetings WBA extend our important network that is important to follow up.

- » February, The Global Bioenergy Partnership meeting on Certification criteria for Sustainable Biomass in Stockholm, Sweden
- » March, 3rd General Assembly and Steering Committee in conjunction to the World Sustainable Energy Day's and European Pellets conference, Wels, Austria,
- » March, ILO and EU meeting on "Skills needed in the Renewable Energy Industry, Brussels, Belgium
- » March, Energiutblick (Swedish Energy Agency) about the bioenergy development in the future: "More or less", Gothenburg, Sweden
- » April, IRENA meeting in Abu Dhabi WBA represented by WWEA
- » April, "The Next generation Power & Renewables Summit Europe", Budapest, Hungary
- » June, IHA World Congress in Iguassu Falls, Brazil
- » June, 19th European Biomass Conference and Exhibition, Berlin, Germany
- » June, European Bioenergy Conference, Brussels, Belgium
- » June, Eubionet meeting, Brussels, Belgium
- » June, Canada/Australian follow up bioenergy trade mission, Beijing and Seoul

- » August ISES World Conference in Kasse, Germany
- » September, Meeting with the big European power entities about WBA sustainability certification criteria, Amsterdam, The Netherlands
- » September, Nordic Bioenergy International Conference and Exhibition, Jyväskylä, Finland
- » September, RETECH, Washington, USA
- » September, Renewable Energy Agency, Copenhagen, Denmark
- » September, IEA Bioenergy Meeting, Brazil
- » September, Japan Renewable Energy Foundation: launch and conference, Tokyo, Japan
- » September, Transitional Committee meeting on the Green Climate Fund, WBA as official observer was represented, Geneva, Switzerland.
- » October/November, World Wind Energy Conference, Cairo, Egypt
- » October, IRENA- RETD work-shop and inauguration, Bonn, Germany
- » October, Expo Bioenergia, Valladolid
- » November, AEBIOM Conference, Brussels, Belgium
- » November, Asia Pacific Forestry Conference ,Beijing, China
- » November, Australian Bioenergy Conference, Australia
- » November/December, COP 17, Durban, South Africa

## 4. Communication and Networking

The secretariat is seated in Stockholm, Sweden

The secretariat has its functions on a basic level. WBA is undergoing rapid expansion and also 2011 was a very hectic year. This should count positively. However, the association still requires more human and financial resources. We consider that the process of recruiting members needs more efforts in order to keep growing. Thus, the board keeps working to achieve all planned activities. Until now, the WBA has a board, a Nominating Committee, a president an employed executive director, and a contracted director of communications. The President works half time and the executive director full time, the director of communications on fulltime and the board members work on behalf of their organisations.

### Website

We have a website up and running for news from the WBA and reports to members exclusively.

News, member letters and comments that have been published during the year started with WBA sending the community thoughts and sympathy out to the Japanese people as they begin to come to terms with the terrible aftermath of the earthquake and ensuing tsunami. This situation gave the community of renewables possibility to give support with their expertise to help Japan to become a renewable nation. At the end of the year WBA presented a proposal to the COP 17 Presidency: “Durban Initiative – Concerned countries moving ahead”. We have seen that a process based on unanimous legal binding decisions is too slow to get necessary decisions leading to a decreasing of the greenhouse gas emissions in time. Therefore an additional initiative is needed, based on concerned countries, companies, individuals, who are ready today to set a roadmap to reach a 2 t Co<sub>2</sub>/capita lifestyle in 2040.

The WBA work-shop themes, that has been on going during the year, have been presented at the website as well as most of the presentations to get the outreach of bioenergy development.

A press release of the position paper on Green Climate Fund was distributed by the REN Alliance partners. This position paper was submitted and accepted by the transitional committee under UNFCCC that was preparing it for a decision to the COP17 in Durban. The Green Climate Fund was adopted in Durban as one of the positive results from the meeting. The work now for the Fund is to attract financial resources.

After the launching of the website [www.worldbioenergy.org](http://www.worldbioenergy.org) <<http://www.worldbioenergy.org>> we installed a supervision system showing how many visitors and their nationality we had. Since its start we have had some 40 unique visitors every day from totally 159 different countries. Most of them come from United States, United Kingdom, Canada, Germany, Australia, China, India, Sweden, Finland, Spain, Brazil, Holland and Italy. This proves the necessity to keep updating the website. Since last year we have got a stabilization of approx. 1000 visits per month.

## BioenergyConnect (BC)

### – one stop shop for industry and research

We have made progress during the year in financing the technical set up of BioenergyConnect, an online tool, which will facilitate communication and business. This has been one of our important tasks to develop and implement.

WBA has also contracted a Director of Communications with special focus to develop the BioenergyConnect platform to a flying position.

This platform gives possibility to connect with manufacturers of equipment, producers/sellers and users/buyers of biomass, investors and researchers. We believe that this is going to be the tool that really makes a change, as we need to build good networks in the bioenergy business and research field. As soon as possible or when we have got a critical number of members on the platform we will re-launch it during 2012. Already now some companies have signed as they are eager to be there in the opening phase.

## Social media as LinkedIn and Facebook

It is important for the WBA to be seen using new media and networking tools and the launch of “the World Bioenergy Association Group” on LinkedIn has been very positive. Since the start in November over 200 professionals have joined the group with 17 different and popular discussions started on different tasks. Along with our website and the soon to launch BioenergyConnect tool, these established networking platforms will add to the WBA’s ability to communicate to interested parties throughout the year.

## Factsheets

During the year we have started the production to produce fact sheets to correct misinformation about bioenergy. Following fact sheets are under discussion and/or drafted to be launched during 2012.

- » Explaining the sustainability of forests and forest products vs fossil fuels. We must explain that trees regenerate, that forestry companies have strict rules on forest regeneration, that many bioenergy plants use only forest waste or non-commercial round wood, etc.
- » Confirming carbon neutrality of bioenergy. While this was proved long ago and is the basis for EU policy, some studies (mainly US) are trying to show that “trees for energy” is misguided.
- » Showing the declines in emissions from modern bioenergy equipment. Boilers have come a long way in 20 years and we need to show people pictures, graphs and figures describing that current equipment emissions are almost zero.

- » Explaining 1st generation and 2nd generation transportfuels on environmental performance. Bioethanol got a bad rap when studies showed that environmentally ethanol from corn was not better than fossil fuels.
- » Showing the benefits of heat & power generation (CHP) vs only power generation (condensation) from combustion.

## WBA Bioenergy workshops:

Bioenergy workshop in March in Wels, Austria

The General Assembly (GA) and SC was followed by a workshop entitled “Biomass in a global perspective – Possibilities to increase the supply of sustainable biomass for energy” This workshop was a collaboration with the European Pellets Council and turned out to be a very fruitful discussion with some 30 delegates.

Bioenergy workshop April in Budapest, Hungary

In April WBA held a successful workshop with the president Kent Nyström attending “The Next Generation Power & Renewables Summit Europe” in Budapest, Hungary, 12 - 14 April, as one of the work-shops leaders. He presented “Tools to Increase the Utilization of Sustainable Biomass for Energy” for an audience of investors and energy leaders in Europe. About 40 attendants.

Bioenergy workshop

– Bio-equity Fund workshop June in Bryssel, Belgium

WBA carried out a workshop in Brussels, “Bio-trade Equity Fund- Reducing the risks of investing in biomass supply”, in collaboration with IEA Task 40 and AEBIOM at European Bioenergy Conference June 29. The objective was to market the fund to capital investment companies hoping to acquire a Fund Manager, and interest members of the European Commission in Brussels to gain their support. The workshop was organised, marketed by the WBA in collaboration with IEA Task 40 and supported by Vattenfall AB and AEBIOM. The workshop was very well received and 30 participants attended.

Bioenergy workshop November in London, Great Britain

This workshop was a follow up to the Brussels workshop and thus a second on bio-equity fund. It was held in collaboration with the Canadian Bioenergy Association, IEA Task 40 and Hawkins-Wright on the 8th of November in London under the title “Bio-trade Equity Fund – a vehicle that will ease investment in bioenergy conversion plants and supply chains worldwide at reduced risks”. We had some 30 delegates on the workshop and the aim of the meeting was to market the fund to capital investment companies to acquire a Fund Manager and interest the European Commission to gain their support for the initiative.

Bioenergy workshop September in Jyväskylä, Finland

WBA had a workshop in conjunction with The International Nordic Bioenergy Conference in Jyväskylä, Finland, 5-9 September 2011. It was called "Global Bioenergy Outlook" and was successfully held on the 5th of September.

The general theme of the side event was on development in bioenergy around the world, and the part that the WBA is able to play and is beginning to play to help with development – particularly in developing countries. Total attendance at the side event was about 20.

Though the numbers at the side event were relatively small, the contacts made at this event and during the overall conference have added significantly to the WBA contacts and potential influence.

### Bioenergy Award 2012

Jury for this competition is the WBA board and the organiser of WB12. Planning of the next award has been done during 2011 and the launch was in December. No award was dealt out during 2011 as this is a bi-annual event /award.

### Media Collaboration

WBA have started collaborating with the magazine Bioenergy International and WBA members will be able to read the latest news on our website. WBA will also be reporting on our work in the magazine.

### Board meetings face to face and telephone meetings

The WBA has held 5 meetings during 2011.

- » February, Telephone meeting
- » March, Wels, Austria in conjunction to the GA and SC
- » May, Telephone meeting
- » September, Jyväskylä, Finland in conjunction with the International Nordic Bioenergy Conference
- » December, preparation meeting in Durban, South Africa and then Telephone meeting

### COP17 in Durban, South Africa

WBA was invited as an official observer to the meeting in Durban. Including making many new contacts and we successfully broadened our network with intergovernmental, nongovernmental organisations, companies and other important parties, all of whom we can collaborate with in the near future. Apart from the WBA attracting many people to our press conference, we had additional exposure through the "Climate Change Television" channel. There was also a side-event that we held together with the REN Alliance partners. There were plenty of side events and network-

ing possibilities overall and also possibilities to speak to high level ministers from different countries depending on which countries was of interest and easiest for each of us to approach.

The launching at COP17 of the "Durban initiative" to explain its position on how to reach the 2 degree target that was decided on at COP16 in Cancun. This was addressed to the president of the COP17, the heads of states, a press release before the press conference and to other NGO's on site. (See the initiative at [www.worldbioenergy.org](http://www.worldbioenergy.org)). In addition to all of these meetings we made many new contacts and were able to broaden our networks with stakeholders that hopefully will be new WBA members.

## 5. Research, policy & Analysis

### Sustainable Biomass Verification Scheme – Necessary to create a global market

#### Summary

The research projects on the WBA initiative, "Certification Criteria for Sustainable Biomass for Energy" and "Biomass for Energy versus Food and Feed, Land Use Analyses and Water Supply" as the base have resulted in a development of a Sustainable Biomass Verification Scheme, (SBVS) through the collaboration with our Spanish consultant and WBA member. The SBVS is now published on our website. This scheme has been presented on many occasions for several stakeholders and the discussions and feedback are still on going. The WBA is working at the moment on the Governance, identifying test companies and establishing financing for the start up administration of the label. We hope to have it up and running as soon as possible.

The WBA position papers, reports and the SBVS-Verification scheme can be downloaded from <http://www.world-bioenergy.org/content/news-and-comments-wba>

#### Overview

To help provide a clear frame of reference on which to base its activities the WBA has commissioned production of reports on a number of key aspects of biomass to energy within a global perspective. The research partner is the Swedish University of Agricultural Sciences. The Swedish Board of Agriculture has funded the research project.

WBA has shown that there is a potential to mobilise biomass for energy worldwide in quantities sufficient to meet global energy demand. Biomass can be used for electricity, heating and cooling and transport fuels. Biomass can also be used for non-energy purposes.

A strong development of the bioenergy sector will require trade in sustainable biomass and in fuels, like liquid biofuels and pellets.

WBA launched in December 2010 the position paper on minimum universal certification criteria for sustainable biomass for energy. These criteria are based on scientific research carried out by Swedish University of Agricultural Sciences.

The criteria cover all areas of sustainability – environmental, social and economic. They can be applied to all types of biomass for energy – from forestry, agriculture, waste and others.

The SBVS, Sustainable Biomass Verification Scheme has been developed in collaboration with industry stakeholders and the Spanish consultant. The system consist now of 15 criteria.

Next steps for the WBA are to start testing the scheme with partners, to build up governance and to develop the brand or trade name.

## Durban initiative

This initiative was launched of WBA in Durban meeting on the 6th of December 2011 during the COP17.

Lets become serious and start the “Durban Initiative - Concerned countries moving ahead”  
2°C – 2t CO<sub>2</sub>/capita in 2040

### Executive summary

There is no time left to postpone decisions on a consequent reduction of CO<sub>2</sub> emissions in order to achieve the 2°C target. Each year lost is lost forever. A process based on unanimous legal binding decisions is too slow. Therefore an additional initiative is needed, based on concerned countries, companies and people who pledge to emit less than 2 t CO<sub>2</sub>/capita in 2040 and - in the case of countries above this threshold - to follow an ambitious path in reducing CO<sub>2</sub> emissions starting today, and for countries below the threshold to start planning ahead to create a healthy sustainable low carbon society. The presidency of the COP is asked to encourage interested countries to develop this initiative.

### “Durban Initiative - Concerned countries moving ahead”

- » Based on the ultimate objective of the Convention: “stabilization of greenhouse gas concentrations in the atmosphere at a level that would prevent dangerous anthropogenic interference with the climate system”
- » Based on the Cancun decisions to keep the global warming below 2°C
- » Based on the findings of the scientific community con-

cerning the 2°C target and the budget concept saying, that the total amount of green house gas emissions between 2000 and 2050 should not exceed 1000 Gt in order to achieve the 2°C target

- » Based on the projections of the development of the world population until 2050 and the principle of a fair repartition of future emission quotas.

It has to be concluded:

*In 2040 there should be no country on the globe that emits more than 2 t CO<sub>2</sub>/capita a year and as many countries as possible that emit less.*

This is a minimum requirement, to remain below a two degree warming with a reasonable probability. The path towards this consequent reduction of emissions should be started immediately, not as late as 2015 or 2020 by all countries above this threshold. These facts are based on scientific data. It is not possible to negotiate these facts with nature. Why 2040 and not 2050? If the emissions are not reduced fast enough within the next decades, emissions in 2050 would be too high to comply with the target. Targets for 2050 will be set on the basis of the development until 2040. Industrialized countries with around 8 t CO<sub>2</sub> emissions/capita and year at present should reduce their emissions by more than 0,2 t CO<sub>2</sub>/capita per year starting now, and countries with higher emissions should reduce faster. Countries with 2 t CO<sub>2</sub>/capita emissions or less have to safeguard, that the growing energy demand for economic development is supplied by renewable energies and not by fossil fuels. A green climate fund should compensate these countries by financing capacity building and technology transfer to help them achieve this.

Being realistic, it cannot be assumed that an unanimous legal binding decision on such a trajectory for all parties can be reached within the UNFCCC within a short period of time. The principle of unanimity in legal binding decisions means that the slowest partner defines the speed; yet the progress might be too slow to reach the two degree target. Therefore a new, a supplementary approach is needed,

### The initiative “concerned countries move ahead”

Concerned countries are those, who make on a voluntary basis, the following binding pledges:

- » - to reduce their CO<sub>2</sub> emissions to below 2 t CO<sub>2</sub>/capita, year before 2040
- » - to present a roadmap, showing how they implement this target, defining intermediate targets in 5 year periods and measures to implement the targets. The progress should be reviewed, monitored and verified (MRV) within the UNFCCC structures.

- » - to only account domestic CO<sub>2</sub> reduction activities in fulfilling their target.
- » - in addition, developed countries should commit themselves to finance carbon reducing investments in developing countries.

The target of 2 t Co<sub>2</sub>/capita should be reached domestically, making all countries responsible for their own actions, and for closing loopholes in accounting. Concerned countries should rely on proven measures to reach their targets such as: pushing for renewable energies and energy efficiency, financial support for renewable energy, increasing the forest area, avoiding subsidies for fossil fuels.

### The motivation

Several aspects will motivate countries, companies and individuals to join the club of concerned countries, such as:

- » - they take their responsibility for the sake of the world climate seriously
- » - they will become the pioneer countries in developing and implementing renewable energy and energy efficiency technologies and their renewable industry will become the main winners of the global trend towards renewable energy and the most convincing ambassadors of these new technologies
- » - they will take advantage of optimising the mixed renewable energy options, and of possible synergies between them – i.e. wind/hydro, solar/biomass, geothermal/wind/solar.
- » - Concerned countries correspond in a convincing way to the desire of their national societies for a safe, environmentally friendly and sustainable energy supply. This is a simple description of the concept of “Durban Initiative concerned countries moving ahead”. The concept is based on the principles of responsibility, justice and free will, open to all countries, it should supplement and not replace the on going process within the UNFCCC.

The presidency of the COP is asked to encourage interested countries to develop this initiative.

### Final remarks:

More details concerning the motivation for countries to join the club of concerned countries, the advantages and the possible support of this initiative by the civil society can be found on [www.worldbionergy.org](http://www.worldbionergy.org).

### Press conferences

- » On the 3rd of March one of our members, ProPellets

general manager Christian Rakos organised a press meeting with around 10 people including big papers like the Presse and the Kurier in Austria. WBA was represented by our board member Prof. Judi Wakhungu and our president Kent Nyström. This meeting resulted in big articles in both the Presse and Kurier which highlighted the fact that there is enough bioenergy available at present, a poignant statement right now. Also Judi’s message was reiterated in an article in Kurier on ethanol that discussed the debate on biofuels versus food saying that the demand of biofuels drive the food supply out of competition, which in Africa is considered as a very Eurocentric debate.

- » On the 8th of December a press conference was held in Durban at the COP17 meeting to launch the WBA Durban initiative – Concerned countries move forward. The press conference was held by WBA board members Jennipher Handoondo and Andrew Lang.

### Others

Throughout the year the WBA have been invited to give input and deliver feedback to the UN initiative of Secretary General Ban Ki Moon called “Global Sustainability Panel”, <http://www.un-ngls.org/spip.php?article3257>

### Collaboration in REN Alliance has strengthened the position for Bioenergy

The International Renewable Energy Alliance (REN Alliance) consists of the International Geothermal Association (IGA), the International Hydropower Association (IHA), the International Solar Energy Society (ISES) and the World Wind Energy Association (WWEA).

The result of collaboration with the REN Alliance partners has strengthened the position of WBA as one of the 5 global associations for renewable energy. We participate in each other’s main conferences to strengthen the renewables. We collaborate at important global meetings including UN conferences and IRENA meetings with focus on development of renewables.

A position paper on the Green Climate Fund has been launched during the year.

Another result of our collaboration is the work on “Skills need in the Renewable Sector” financed by ILO and EU to the REN Alliance Partners. This project started in November 2010 and was finished in March 2011.

In January 2011 we had a follow up on a survey. The International Labour Organization and the EU commissioned the REN Alliance partners to carry out the task. The WBA board

member, Sribas Bhattacharya has been the main executor of the bioenergy sector analysis together with the secretariat. The report was commented in a workshop in Brussels on the 29th and 30th of March by different delegates. It was a very good discussion and also an important step to strengthen the WBA's profile to the heads of many ILO members, OECD, UNEP Bioenergy, lobbyists and several different EC Directorates. The outcome is a report from ILO on Green jobs, which is public.

Through World Wind Energy Associations (WWEA) who is hosting the REN Alliance office this year we have been represented at several meetings and the latest one was in June at the workshop – “Joint IRENA-RETD workshop: Recent energy sector developments and their impact on renewable energy prospects” with the leading experts representing the renewable energy field invited. Stefan Gsänger, general secretary of WWEA represented the renewable industry. RETD stands for IEA Renewable Energy Technology Deployment. The workshop was held as a start up of the technology platform for IRENA office in Bonn.

We also have a Website together and that is another entrance to WBA.

#### Meetings and workshops in the REN Alliance:

- » April 2011, IRENA. In April REN Alliance partners were represented by the World Wind Association as an Observer Organisation of the International Renewable Energy Agency (IRENA) at its first General Assembly in Abu Dhabi where the governments representatives elected Adnan Amin, Kenya to be the Director General of the IRENA.
- » June 2011, IHA International Hydropower Congress in Iguassu, Brazil
- » August 2011, ISES, International Solar Energy Society Conference and exhibition, Kassel, Germany
- » September, Green Climate Fund, Transitional Committee meeting under the UNFCCC in Geneva, Switzerland.
- » October/November 2011, World Wind Energy Conference 2011 in Cairo Egypt.
- » December 2011, COP 17, Durban, South-Africa. The Alliance partners had two booths at the venue in the same line. - WBA together with the REN Alliance partners, gave a workshop in cooperation with World Future Council. Our workshop had the headline “Renewables working together – New Financing Schemes in developing countries – the Green Climate Fund”. There was a good attendance of our side event with about 70 participants.

Several telephone meetings have been held during 2011 to discuss, understand and promote our common positions.

#### REN21 collaboration

The global statistics on renewable energy sources has been published by REN21. The statistics and conclusions are based on different sources as IEA and others. The report states that renewable energy constitutes 16% of global final energy consumption and 20% of the global electricity generation. The 16% can be split up in 0,7% for renewable power generation, 0,6% biofuels, 1,5% heating, 3,4% hydropower and 10% traditional biomass. As we need improvements on the statistics for modern bioenergy WBA and REN21 will collaborate to present the statistics to the bioenergy industry in a more useful way. The first collaboration is that WBA is represented as a reviewer of bioenergy in the report.

## 6. The WBA board and the Executive director

The board consists today of 11 board members and 5 alternates. The board was appointed mainly after 2 criteria: geographical spread and different field of speciality or competence. They cover a comprehensive and wide range of highly experienced individuals through following persons and their organisations:

- 1. Kent Nyström**, President of WBA, former MD of Svebio, Swedish Bioenergy Association, Sweden,
- 2. Sribas C. Bhattacharya**, International Energy Initiative NGO, India,
- 3. Douglas R. Bradley**, Climate Change Solutions and Canadian Bioenergy Association NGO, Canada,
- 4. Heinz Kopetz**, former president of European Biomass Association. Representing 32 national biomass organisations in Europe, Austria,
- 5. William Holmberg**, ACORE, American Council of Renewable Energy Non-profit organization based in Washington, D.C, USA,
- 6. Tetsunari Iida**, ISEP, Institution for Sustainable Energy Policies, Japan,
- 7. Judi W. Wakhungu**, African Centre for Technology Studies (ACTS)., Kenya,
- 8. Jennipher Handoondo**, Zambia National Farmers Union's Oil Seed Commodity Unit., Zambia,
- 9. Andrew Lang, Chairman**, SmartTimbers Cooperative, Australia,
- 10. Kai Johan Jiang**, Dragon Power Group, Co., Ltd. Chairman of Dragon Power Group Co., Ltd, and National Bio Energy Group Co., Ltd and the economic advisor to Shandong provincial government,
- 11. Laercio Couto**, Renabio, Brazil

#### Alternate Board Members

**Jean-Marc Jossart**, European Biomass Association, Belgium,  
**Philip Peck**, The International Institute for Industrial environmental economics, Australia/Sweden,  
**Miguel Trossero**, Bioenergy Strategies, former FAO, Argentina,  
**Shota Furuya**, ISEP, Japan

#### Nominating Committee

The board have decided to have 5 members from the global bioenergy community that have a good geographically outreach. Decision has been made on the convenor and first member of the committee:

**Bo Hektor**, IEA Bioenergy task 40, Firstbioenergy AB.

During the first half of 2012 we hope that we have got a full Committee that is responsible to nominate candidates to next Steering Committee meeting in the WBA.

#### Secretariat

**Karin Haara**, Executive Director of WBA and has 25 years of experience within the bioenergy field.

**Andrew Potter**, Director of Communications:

## Members

#### Full Members

Avebiom, Spain  
Svebio, Sweden  
Aebiom, Belgium  
Canbio, Canada  
proPellets, Austria  
Acore - Biomass Coordinating Council, US  
Zambia Bioenergy Association, Zambia  
The Wood Energy Group, Australia  
Energigården – Center for Bioenergy, Norway  
Czech Bionergy Association, Czech Republic  
Climate Change Network, Nigeria  
Eurosolar, Turkey  
German Bioenergy Association, Germany  
SSS- National, India  
African Bioenergy Associaton, Cameroon

#### Associated Members

First Bioenergy, Sweden  
Elmia AB, Sweden  
EFO, Sweden  
Rindi Energi AB, Sweden  
Silvex Energy AB, Sweden  
Bandit Industries, INC, US  
United Loggers Ltd, Estonia  
DP Cleantech Co, Ltd, China  
AKATA Commodity Trading ApS, Denmark  
MHG Systems Oy Ltd, Finland  
Log Max, Australia

O&D Quality International Farms, Ghana  
COVAERSA s.a.u, Spain  
EFEA, DP Congo

#### Individual Members

Ohene Kwadwo Akoto, (Jatropha Africa), Ghana  
Dirk Volkmann, Germany  
Anders Rydåker, USA  
Laercio Couto, Brasil  
John Sandersson, Australia  
Bruce A. Brewer, Namibia  
Davide Ottolia, Italy  
Manny Deol, Canada  
Celso Marcelo de Oliveira, Brazil  
Franco Gotana, Italy  
Rajesh Chintala, USA  
Kes McCormick, Australia/Sweden  
Farhad Mirzaei, Iran  
Ian Dixon, Australia  
Jean-Marc Jossart, Belgium  
Krister Rosenquist-Packalen, France  
Dan Asplund, Finland  
Padmavati Manchi, India  
Alec Bulc, Slovenia  
Praveen Pyata, India  
Herman Schaller, Austria  
Kulluru Krishan, India  
Abolarin Kehinde, Nigeria

## 8. Funding

World Bioenergy Association would like to gratefully acknowledge financing for the WBA from the Swedish Energy Agency. This funding was until 2011-12-31

After 1 January 2012 the funding to the WBA is from members, BioenergyConnect and sustainability label. The funding from benefactors is also under discussion as well as arranging conferences.

Building a new global organisation is a major challenge, especially in securing the financial backing in its early stages. Today we are working on a 3 year strategy and business plan to ultimately operate on our own revenues. From the beginning the WBA has been primarily funded by the Swedish Energy Agency (SEA). In 2011 the WBA showed a loss and is now developing the plan that will generate revenue and bring expenses into line.

**Stockholm 2012-02-14**

Board members below have signed the Annual Report 2011.

**Kent Nyström,**  
President

**Sribas C. Bhattacharya**

**Douglas R. Bradley**

**Heinz Kopetz**

**William Holmberg**

**Tetsunari Iida**

**Judi W. Wakhungu**

**Jennifer Handoondo**

**Andrew Lang**

**Kai Johan Jiang**

**Laércio Couto**

My audit report has been submitted and signed 2012-04-20

**Heléne Ragnarsson,**

Authorized public accountant

**WBA'S MAIN PURPOSES:**

**1. Spread information** about the possibilities being available by utilization of the great amount of biomass resources. Visualise how these possibilities could be realized by showing different models suitable for different growing conditions and different socio economic conditions, etc.

**2. Develop sustainability criteria** that guarantee that bioenergy could be supplied without threatening food and feed supply, water supply, rainforest and biodiversity and economic growth.

**3. Spread knowledge and technology**

Capacity building and technology transfer by BioenergyConnect a web-based communication and business platform.

To learn more and apply for membership, please visit:

[worldbioenergy.org](http://worldbioenergy.org) »



**[WWW.BIOENERGYCONNECT.NET](http://WWW.BIOENERGYCONNECT.NET)**

## **The Worlds “one stop shop” for the Bioenergy Industry**

BioenergyConnect is a new networking website developed by the World Bioenergy Association. It has been designed to be a “one stop shop” for all actors in the Bioenergy industry to meet, discuss and find solutions in every area of the Bioenergy industry. From investor programs and expert forums to the latest news and reports the platform has been developed to be comprehensive in its features and functions.

Join BioenergyConnect and be an early adopter for the future development of the Bioenergy sector around the globe.

**Join today for free by visiting [www.bioenergyconnect.net](http://www.bioenergyconnect.net) or register your company by contacting Andrew Potter, Director of Communications: [Andrew.potter@worldbioenergy.org](mailto:Andrew.potter@worldbioenergy.org), Tel: +44 (0) 207 713 2068**