



**WORLD BIOENERGY  
ASSOCIATION**

# Annual report 2014



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

# ANNUAL REPORT FOR THE FINANCIAL YEAR 2014

The Board presents the following annual report.

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## World Bioenergy Association

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# ADMINISTRATION REPORT

## 1. INTRODUCTION BY THE PRESIDENT

**WBA WELCOMES READERS TO OUR ANNUAL REPORT 2014.** WBA saw an increase in number of members and activities in 2014 and we are excited to continue our work in 2015. The year 2014 saw the release of our factsheet on pellets and the first ever global bioenergy statistics report. WBA organized a workshop in Brussels and also attended the World Bioenergy 2014 event in Jönköping, Sweden and prepared several position papers. We rounded off the year with our presence at the COP20 conference in Lima, Peru. Our association in the REN Alliance network grew stronger with a side event in Bonn, Germany and the webinar on sustainable technology integration for 100% renewables. The WBA board met in Kolkata for the board meeting and a conference in November, which enabled us, discuss policy decisions to eliminate barriers for bioenergy development in India.

2015 is a crucial year in the climate change negotiations. Everyone is expecting for a global climate agreement in COP21 in Paris and WBA is already actively involved in submitting proposals for negotiations. Now is the time for companies, renewable energy associations, energy agencies and individuals to join us in our efforts for promoting bioenergy as one of the key solutions to meeting the climate targets.

I thank all our members, supporters, donors and staff who have enabled us to continue our work in realizing our mission for increasing the sustainable use of biomass globally and support the business environment for bioenergy. We look forward to continue our collaboration and to increase our network in 2015.

*Heinz Kopetz,  
President, World Bioenergy Association*



A handwritten signature in black ink that reads "Kopetz". The signature is fluid and cursive, written over a light background.

Heinz Kopetz,  
President, World Bioenergy  
Association

**“Mission: To promote the use of sustainable biomass globally and to support the business environment for bioenergy”**

## 2. SUMMARY OF ACTIVITIES

World Bioenergy Association is the leading global bioenergy association dedicated to supporting various actors in the bioenergy sector with the aim of promoting bioenergy as the premier renewable solution. The members of WBA include individuals, researchers, companies as well as national and international organizations.

Since its inception in 2008, WBA has expanded in terms of members and collaborations in the bioenergy sector. A brief review of the activities of WBA during 2014 are summarized:

- » WBA has 151 members – 21 full members, 45 associated members and 85 individual members.
- » In 2014, WBA had 13 479 visitors to the webpage – more than 70% being new visitors
- » WBA started a twitter account (@Globalbioenergy)
- » WBA released six bi monthly newsletters for our members
- » One factsheet on ‘Pellets – a fast growing energy carrier’ was released last year
- » WBA Global Bioenergy Statistics 2014 report was released at World Bioenergy 2014
- » WBA chaired the ‘First International Biomass Conference’ in Vojvodina, Serbia and submitted a Bioenergy Action Plan to the Government. Discussions continue in 2015.
- » World Bioenergy 2014 was held in Jönköping, Sweden in June where Jörgen Sandström of Addax Bioenergy was awarded the World Bioenergy 2014 Award.
- » WBA held a workshop on ‘Reducing EU dependence on fossil gas’ in Brussels, Belgium where WBA presented a position paper on ‘The future contribution of bioenergy to the European energy system’
- » WBA has been actively working to influence European policy on increasing bioenergy use globally with position papers, pleas and letters to European Members of Parliaments and other policy makers.
- » As part of collaboration with REN Alliance partners, WBA attended the side event of UNFCCC in Bonn, Germany and participated in a webinar with IRENA on ‘Sustainable technology integration towards 100% renewable energy – Case studies’
- » WBA organized a workshop in Bengal Chamber of Commerce and Industry (BCCI), Kolkata, India and as a result developed a set of recommendations for the Indian government on how to improve the progress of bioenergy in India
- » WBA participated in a workshop in Quito, Ecuador on the development of bioenergy in Ecuador.
- » WBA has officially been confirmed as Liaison with ISO/PC 248
- » WBA participated in discussions with delegates from five African countries – Lesotho, United Republic of Tanzania, Zambia, South Africa and Uganda.
- » WBA participated in discussions in COP20 climate conference in Lima, Peru.

### 3. ADMINISTRATIVE REPORT

WBA had a busy year in 2014. In addition to the permanent work of the staff of WBA such as service for members, information on requests concerning bioenergy, contact with international organisations, member information, participation in projects, attendance of conferences, articles, press releases and other contributions to the discussion on bioenergy, we also prepare for the board meetings and general assemblies, the sustainability work, the platform Bioenergy Connect. On top of all this, we also produce fact based material such as WBA factsheets, WBA statistics etc. Following is a brief overview of WBA activities:

- » WBA Global Bioenergy Statistics
- » WBA Sustainability Label
- » Biomass Action Plans
- » WBA Factsheets
- » Bioenergy Connect
- » WBA Bioenergy Magazine
- » WBA Bi monthly newsletters
- » Handbook for Biomass Associations
- » WBA campaigns for membership, supporters and applications for grants etc.
- » Collaborative work with IRENA, REN21, REN Alliance, UN, Go100%RE, ISO etc.
- » WBA workshops, conference attendance, side events etc.
- » Communication activities – press releases, social media, articles etc.

#### 3.1 Membership report

As of December 2014, WBA had 151 members worldwide which is an increase of 30 members since last December. WBA currently has 21 full members, 45 associated members and 85 individual members. WBA's network is growing! In the past year we have been able to increase membership from developing countries as well. Many members are active on our social media networks and attend numerous bioenergy conferences globally – spreading the message of WBA.

In 2014, WBA had one official supporter: ANDRITZ and three silver supporters: Agrana, Viking Heat Engines and KWB. Discussions are ongoing to increase our supporters' base.

#### The structure of membership

WBA currently has three membership categories on offer for bioenergy professionals:

Type	Category of members	Membership fee
Full	National and international bioenergy associations	300 – 5 000 €/year
Associate	Companies, consultants, energy agencies, research institutes etc.	300 – 5 000 €/year
Individual	Individual persons	50 €/year

#### Why should you become a member?

WBA values your membership as it can help us achieve our mission. We are the leading bioenergy expert in the international level consisting of professionals from various countries, specializations and level of experience. We aim to promote bioenergy as a crucial sector in achieving the renewable energy goals. As we grow, so does our influence.

Becoming a member would enable you to have exclusive access to information about bioenergy from leading experts worldwide. It opens up opportunities for possible cooperating among projects and working groups.

Add your voice to the global bioenergy movement!

### 3.2 Communication and Activities

#### Secretariat

The secretariat of WBA is located in Stockholm. The office space also includes Svebio and other leading bioenergy organizations. We are still in the lookout for human and financial resources to keep improving our work. Currently, WBA has a Board, a Nominating Committee, a President, an employed Executive Director, and a contracted Director of Communications. The President works fulltime voluntarily.

The Executive Director and Director of Communications work on a fulltime basis whereas the Board works on behalf of the organization. WBA employed a Project Officer in the beginning of the year. He started the work as part time and since July, he is working full time at the office. His work is mainly focussed on preparing the WBA Global Bioenergy Statistics apart from assisting the secretariat in office work.

#### Website

WBA has an official website – [www.worldbioenergy.org](http://www.worldbioenergy.org). The website includes details about the association and its origins, a separate member exclusive section, and recent news and developments. WBA factsheets, reports, statistics, latest events etc. are regularly updated in the website.

WBA website has seen an increased traffic in 2014 compared to previous year. 13 479 visitors checked our website with more than 70% of them being new visitors. The visitors predominantly are from USA, UK, Germany, Spain and China. The peak was in July when we had the World Bioenergy conference as well as the release of the WBA Global Bioenergy Statistics 2014 report.

## Social media

Along with our presence in Facebook and LinkedIn, WBA recently started a twitter account. We currently have 247 likes on Facebook, 821 members on LinkedIn and 81 followers on Twitter. This is a significant increase in the past year and WBA would continue in increasing its online presence.

## Member letters and bi-monthly newsletters

In 2014, we sent out six bi-monthly member letters. These included summaries of conferences attended by WBA, the meetings and speeches given, the fact sheets and press releases and new membership details.

## Press releases

21<sup>st</sup> January: WBA reports results from the CEBC, Graz  
WBA attended the Central European Bioenergy Conference in Graz from 15<sup>th</sup> to 18<sup>th</sup> of January 2014. The WBA contributed to the meeting with a workshop on small-scale biomass technologies and markets worldwide.

28<sup>th</sup> January:  
WBA report on new EU 40% CO<sub>2</sub> reduction targets by 2030  
WBA reported on the proposals of the EU commission on the new climate policy. Minus 40 CO<sub>2</sub> emissions is the minimum target, 27% renewables in 2030 is not acceptable.

1<sup>st</sup> April: WBA position on IPCC WG2 report  
WBA reported on the IPCC Working Group II report on the impacts, adaptation and vulnerability of climate change. WBA reiterated that research has already shown the negative effects of climate change and the report provides further evidence.

18<sup>th</sup> April:  
Five final candidates for the World Bioenergy Award 2014  
The five final candidates for the World Bioenergy Award 2014 were chosen. They are: Mr. Clyde Stearns, USA, Mr. Joaquín Reina Hernández, Spain, Mr. Jörgen Sandström, Sweden, Mr. Richard Sulman, Australia and Mr. Tony Bridgwater, UK.

12<sup>th</sup> May: Reducing EU dependency on fossil import  
WBA held a workshop today in Brussels, Belgium on the future potential of bioenergy to reduce European dependency on fossil gas imports. The workshop included speeches from key bioenergy experts who discussed not just the potential but achievable bioenergy contributions to future renewable targets.

24<sup>th</sup> June: WBA visit to Pécs, Hungary  
A delegation of the World Bioenergy Association visited Pécs in Hungary. In the past the heat to Pécs was delivered using coal and natural gas. Today Pécs sees itself as the first green city in Hungary. Starting 2013 the heat generation has been based completely on biomass.

19<sup>th</sup> September: UN Climate Summit 2014, New York  
The United Nations (UN) General Secretary, Mr. Ban Ki-Moon invited the head of states of the countries of the world to a climate summit in New York on 23<sup>rd</sup> September 2014. WBA congratulated Mr. Ban Ki Moon and hoped that the summit will strengthen the forces around the world to go for a true energy transition towards renewable energies.

11<sup>th</sup> December: Memorandum of Energy and Climate, Lima  
WBA along with International Geothermal Association (IGA), International Hydropower Association (IHA), International Renewable Energy Alliance (IRENA), International Solar Society (ISS), World Future Council and World Wind Energy Association (WWEA) released a memorandum on energy and climate as a result of the discussion at COP20 climate summit in Lima with the following points:

- » Parties to the UNFCCC to agree on a transition to 100% renewable energies
- » The Green Climate Fund under the UNFCCC to be a primary tool to performance based financing of this transition in the developing world

## Fact sheets

WBA publishes factsheets to support companies, educate and inform policy makers and investors in a simple and concise manner.

The factsheet is distributed on a global scale to more than +100 000 along with distribution at conferences worldwide and via official media partners and 3<sup>rd</sup> party news organizations globally.

In 2014, WBA published a factsheet on Pellets. In 2015, factsheets in the pipeline are: Advanced Biofuels, Biomass Gasification, Waste to Energy and Potential of Biomass.

Pellets – A fast growing energy carrier, November 2014

Pellets are a solid biomass fuel, mainly produced from wood residues but also from agricultural by-products such as straw. They have a cylindrical form with a diameter of 6 – 12 mm. Specific advantages of pellets as compared to unprocessed biomass include: standardized properties, high energy content, high density and therefore reduced costs for transport, storage and handling. Pellets are used for residential heating in pellet stoves and pellet boilers, for the generation of heat, steam and electricity in the service industry, manufacturing and power generation. Main pellet producing regions in 2014 are Europe and North America. WBA expects a strong growth in the pellets consumption in Europe, North America and Asia.

You can access the pellet factsheet [here](#).

## WBA Global Bioenergy Statistics

WBA released the first ever global bioenergy statistics report. The report deals with various sectors of bioenergy from supply, electricity, transport and heat as well as special sectors like torrefaction and pellets. Data was gathered from various sources and compiled after consultation with a group of 10 leading experts in the field of global bioenergy.

The information is initially provided for global data, followed by five continents (Africa, Americas, Asia, Europe, and Oceania) and some specific regions. The condensed report is available for download for free on the WBA website with the full report, including references and sources which is initially only available to subscribed members of the WBA. In the project, we have also signed a letter of cooperation with IRENA on improving the statistics. The proposal is to have a regular exchange of bioenergy data and cooperation on methodological improvements in bioenergy data.

You can download the statistics report [here](#).

## 3.3 Reports, workshops and other initiatives

### WBA workshop at Central European Biomass Conference (CEBC) in Graz, Austria

In January, WBA organized a workshop in collaboration with organizers of CEBC in Graz, Austria. The WBA contributed to the meeting with a workshop on small-scale biomass technologies and markets worldwide. More than 120 presentations offered an overview about the fascinating developments and potentials of bioenergy worldwide and the industry's interactions with the climate policy. From WBA, board members Douglas Bradley, Andrew Lang, Hisashi Kajiyama and Heinz Kopetz contributed to the workshop.

The press release is available [here](#).

### Vojvodina project

In March, WBA chaired the 'First International Biomass Conference' with the Government of the Autonomous Province of Vojvodina. There were more than 170 in the Hall of the Assembly of the Autonomous Province of Vojvodina. The President of the WBA, Heinz Kopetz, chaired the conference. Later, WBA presented the 2<sup>nd</sup> version of bioenergy action plan to the Government. According to this plan, Vojvodina has a big potential of agricultural biomass, mainly straw, yet the investment to switch from natural gas to biomass is expensive, and financial support is needed to build the new biomass boilers.

Further, in October, on behalf of WBA Mr Heinz Kopetz and Mr. Hermann Wieser, a consultant working for WBA, stayed in Novi Sad. In a meeting with the energy minister and experts from Vojvodina the draft of the action plan was discussed and several modifications proposed. On the next

day, WBA President Heinz Kopetz presented on behalf of WBA and the government the Action Plan in a public conference as part of the energy days of Vojvodina. The results of these discussions will be the basis of the final version of the Action Plan including budget proposals for the next 6 years.

One of the core messages of the action plan:

***Create an economic and institutional framework to double the share of biomass in Vojvodina until 2020 to reach 7% of the primary energy demand and to go for 20% until 2030.***

## World Bioenergy 2014

It doesn't seem so long ago since 2008 when the WBA was formed at this very same event! This event was no exception in terms of the quality of attendees who believe in the future potential of bioenergy. The WBA had the honour of meeting with a number of senior energy & environmental government officials from multiple delegations on fact-finding missions. As always, it is inspiring to watch government officials realise the potential of bioenergy, first hand, using Sweden as the example for the rest of the world.

In ten years, the World Bioenergy trade fair and conference at Elmia in Jönköping, Sweden has gone from being a display window for Swedish bioenergy know-how to being a global workshop for an industry that is creating jobs, raising people out of poverty and slowing down climate change. At every stage the WBA has been in attendance, meeting with global dignitaries and embassies.

World Bioenergy 2014 demonstrated that bioenergy is an industry of the future in the best sense of the term, not least for the climate and for many of the planet's poorest countries. In Jönköping examples were given of bioenergy projects in countries like Sudan and Sierra Leone.

The driving force behind the latter project, Jörgen Sandström of Addax Bioenergy, who won the World Bioenergy Award. As well as the workshops and lectures, there was also a trade fair at World Bioenergy.

The exhibitors concluded that this year's visitors to the fair were the ones they wanted to attract – people who influence developments in their home countries.

### WBA workshop on reducing EU dependence on fossil gas

WBA held a workshop in Brussels, Belgium on the future potential of bioenergy to reduce European dependency on fossil gas imports. The workshop included speeches from key bioenergy experts who discussed not just the potential but achievable bioenergy contributions to future renewable targets. This workshop made clear how efficient bioenergy use could compete with fossil gas and how Europe can fulfil its goals for renewables without depending on fossil gas imports. However, key challenges – correction of misinfor-

mation held by general public on bioenergy as well as development of reliable bioenergy statistics globally – should be overcome before the bioenergy targets can be achieved.

WBA presented a position paper on “The future contribution of bioenergy to the European energy system” at the workshop. The paper discusses the WBA views on accelerated deployment of renewables as published by European Renewable Energy Council in 2010.

For a link to the position paper, [click here](#)

For a link to the agenda, [click here](#)

To download the presentations, [click here](#)

## WBA and Europe

WBA has been active in promoting the role of sustainable bioenergy by informing the EU policy makers with pleas, position papers and initiatives.

WBA prepared a plea to the new MEP's for ‘A responsible European energy and climate policy’. The plea has been sent to more than 250 members who are responsible for formulating European policy, which affects bioenergy. To read the full article [click here](#).

WBA prepared an initiative on “A strategy to reduce dependence on natural gas in Eastern Europe “within a concept of “Renewable Heat for the Northern Hemisphere”. WBA opines that a rapid change from fossil to renewable energy in the heating sector of Eastern Europe will only be achieved with a new farsighted and generous policy by the European Union. In this context WBA submits three proposals to cope with this situation:

**(1) An European fund of 10 billion Euro (renewable heat fund)** to support investments for the replacement of fossil fuels by biomass in the heating sector – district heat and single buildings solutions.

**(2) An European fund of another 10 billion Euro (heat efficiency fund)** to improve the efficiency of the heat distribution systems in Eastern Europe and

**(3) As first step a demonstration project funded with 200 million euro** to install 1000 MW biomass boilers in district heating systems in Eastern Europe using at present natural gas.

As seen by WBA, a clear response of the European Union to the new global challenges and a program to foster additional growth of bioenergy is needed, comprising: **a) An European heat initiative** with a fund of 20 billion Euro directed at replacement of fossil fuels, particularly gas, by biomass in district heating systems, especially in Eastern Europe, to construct new district heating systems, and to co-finance national programs aimed to improving efficiency and replacing fossil heating installations by renewable heating systems in the residential, service and industry sector outside the district heating grids. **b) The encouragement of member states to implement carbon taxes** for those consumers not part of the ETS system in order to offset the

damaging impact of declining oil prices on the renewable energy industries, and on investment decisions in favour of renewables. **c) A re-launch of a far-sighted reliable policy** for supporting production of transport fuels from biomass and **d) the avoidance of administrative burdens** for the use of bioenergy that reduces investment and causes unemployment. This message was sent to European authorities in the European Commission, European Parliament and the EU council – knowing that Europa is still setting the model on the global stage for an ambitious policy in favour of Renewables and climate mitigation.

## REN Alliance and WBA

WBA at the REN Alliance Side Event UNFCCC – SB40

The REN Alliance hosted a side event at the United Nations Framework Convention on Climate Change (UNFCCC) meeting in Bonn, Germany titled “Sustainable Technology Integration Towards 100% Renewable Energy - Case Studies”. The REN Alliance consists of the International Geothermal Association (IGA), International Hydropower Association (IHA), World Bioenergy Association (WBA), World Wind Energy Association (WWEA) and ISES. This side event was received as a valuable contribution to the UNFCCC meeting and demonstrated that a 100% sustainable future is possible when renewable technologies are integrated and work together to reach this critical and ambitious target before the end of this century.

Please see the side event flyer [here](#).

The REN Alliance partners, the International Geothermal Association (IGA), International Hydropower Association (IHA), International Solar Energy Society (ISES), World Wind Energy Association (WWEA) and World Bioenergy Association (WBA), were pleased to be teaming up with the International Renewable Energy Agency (IRENA), to offer a webinar on “Sustainable technology integration towards 100% renewable energy – Case studies” which was held on the 1st of July. This webinar was a result of a side-event the REN Alliance partners held at the United Nations Framework Convention on Climate Change (UNFCCC) Bonn Climate Change Conference 2014 on 11 June. During the webinar the speakers explored how 100% renewable energy supply is possible based on case studies demonstrating how RE technologies are working together, and also discuss the real costs of renewable energy. The presentations were followed by a question and answer session with the speakers and audience.

If you missed the webinar, you can watch it [here](#).

## ISO Liaison

In late October, it was officially confirmed by ISO that the WBA has the eligibility for liaison. The P members of ISO/PC 248 were consulted and have approved our application. ISO has now informed us that WBA's liaison with ISO/PC 248 is now registered. For WBA it means that we are now one of the many organisations influencing the ISO process on bioenergy and sustainability and are expected to give our view on the proposals that comes out from the technical committees and attend meetings.

To visit the ISO website click [here](#).

## WBA and Africa

From 20th – 23rd October, delegates from five countries in Africa – Lesotho, United Republic of Tanzania, Zambia, South Africa and Uganda – attended a 3-day conference and study tours in Stockholm, Sweden. Organized by Svebio and Business Sweden, the event was attended by government officials, researchers, entrepreneurs and bioenergy experts. Karin Haara and Bharadwaj V Kummamuru who attended the discussions at the Svebio office represented WBA. WBA gained interesting insights on bioenergy opportunities in Africa.

## WBA workshop in Kolkata, India

WBA attended the roundtable on Bioenergy Issues and Options - jointly organized by Bengal Chamber of Commerce and Industry (BCCI) and the Indian Institute of Social Welfare and Business Management (IISWBM). The roundtable was a success with stakeholder groups from all sectors of bioenergy value chain attended the event. Key problems to development of the domestic bioenergy sector and the policy measures needed to eliminate these barriers were discussed.

A brief report on the meeting can be accessed by clicking [here](#). To access the complete program, click [here](#).

## COP20

### a. Overview

Dr. Heinz Kopetz and Prof. Tanay Sidki Uyar represented WBA at the COP20 climate conference in Lima, Peru. Following was the itinerary of the events. COP 20 in LIMA served to prepare a new global agreement next year in Paris. The negotiations were difficult, the green climate fund and pledges for it played an important role, and the expectations for Paris should not be too ambitious. The main outcome of LIMA are:

- » “The LIMA call for climate action” and a
- » Draft of the intended agreement in Paris with many options, still undecided.”

In the “LIMA calls for climate actions” all parties are requested to define “Intended Nationally Determined Contributions (INDCs)” and inform the UNCFFF until end of March 2015 about the planned GHG reductions and measures on a voluntary basis without a defined detailed structure of these pledges. This is now a bottom up approach instead of a top down approach as in the Kyoto agreement and therefore seen critical by many groups. On the other hand all countries (parties) are involved and not only ANNEX I countries (developed countries), which can be seen as important progress.

For more look at the UNFCCC home page by clicking [here](#).

To download the WBA's Member Exclusive Lima report click [here](#)

### b. WBA and WWEA side event

WBA and World Wind Energy Association (WWEA) organized a side event in Lima, Peru during the COP20 meetings. The side event took place within the BINGO day (Business and Industry NGO, WBA is part of this group). The president of the COP opened the BINGO day, the minister of environment of Peru and Christiane Figuerres. More than 100 persons followed our side event.

You can download the flyer [here](#).

### c. WBA Lima Initiative: Climate and Energy 2035

Based on the discussions during the COP20 meetings, WBA has initiated the Lima Initiative: Climate and Energy 2035 which calls for a Global Renewable Energy Action Plan or GREAP for 2035 as a guideline for business and policy towards a world no more than 2°C warmer. The global target for GREAP should be:

- » 50% share of renewables in the final energy consumption by 2035
- » Reducing fossil fuel use by half in 2035 compared to 2016

You can access the complete initiative [here](#). If you agree with the initiative and its recommendations, support the initiative by clicking [here](#).

## WBA workshop in Quito, Ecuador

WBA President Dr. Heinz Kopetz visited Ecuador for a workshop in December 2014. Some of the findings of the workshop are: ECUADOR has a considerable potential of biomass for energy. A study about the detailed potential is just carried out and shall be ready within a few months (Biomass atlas Ecuador). Many interesting possibilities for bioenergy are available in Ecuador. A more detailed report would need more time for investigation in the country and study of the many existing material and research work already performed in Ecuador in the field of bioenergy.

To access the report (members only), click [here](#).

## 3.4 WBA meetings

### Board Meetings

- » 14.01.17: Board meeting at Graz, Austria
- » 14.03.25: Board meeting over telephone (World Bioenergy 2014 Award)
- » 14.06.02: General Assembly, Steering Committee and Board Meeting, Jönköping, Sweden
- » 14.09.09: Board meeting over telephone
- » 14.11.23 – 14.11.28: Board Meeting at Kolkata, India

### Conferences and other meetings

WBA representatives were involved in various conferences, summits and workshops dealing with bioenergy. They were guest speakers in most of these events. It was an opportunity to release fact sheets and magazines and increase our network.

#### January

- » 14.01.15 – 14.01.18: Central European Biomass Conference, Graz, Austria
- » 14.01.20 – 14.01.21: Fuels of the Future 2014, Berlin, Germany
- » 14.01.17: WBA workshop, Graz, Austria
- » 14.01.20-24: WBA presentations on reforestation, biogas, jatropha to biodiesel, and small scale electricity from biomass, Khartoum, Sudan

#### February

- » 14.02.19: Conference on Bioenergy Markets, Belgrade, Serbia
- » 14.02.26: Pellets conference, Wels, Austria

#### March

- » 14.03.26 – 14.03.28: Bioenergy conference, Novi Sad, Serbia

#### April

- » 14.03.07 – 14.03.09: WWEC 2014, Shanghai
- » 14.03.20 – 14.03.25: China International Bioenergy and Biomass Summit, Shanghai, China

#### May

- » 14.05.12 – 14.05.14: WBA Workshop at AEBIOM conference, Brussels, Belgium
- » 14.05.28: Aviation Biofuels Seminar, Khartoum, Sudan

#### June

- » 14.06.02 – 14.06.05: World Bioenergy Conference 2014, Jönköping, Sweden
- » 14.06.11 – 14.06.12: Oleofuels 2014 conference, Dusseldorf, Germany

- » 14.06.11: UNFCCC side event SB40, Bonn, Germany
- » 14.06.23 – 14.06.26: EU BC & E conference, Hamburg, Germany
- » 14.06.25 – 14.06.27: IRENEC conference, Istanbul, Turkey

#### July

- » 14.07.01: IRENA – REN Alliance webinar
- » 14.07.04: Bioenergy conference, Vienna, Austria

#### September

- » 14.09.06: Croatian Bioenergy Conference, Nasice, Croatia
- » 14.09.09: Bioenergy 2014, Jyväskylä, Finland
- » 14.09.09: Potential for wastes to biogas Workshop, Khartoum, Sudan
- » 14.09.15 – 14.09.18: Bioenergy from Forest 2014 conference, Helsinki, Finland
- » 14.09.21: World Congress of Bioenergy 2014, Qingdao, China
- » 14.09.23: New York meeting with Ban Ki Moon

#### October

- » 14.10.15: All-Energy Conference, Melbourne, Australia
- » 14.10.20: Austrian Bioenergy Conference, Salzburg, Austria
- » 14.10.28-29: Expert Symposium, ICLEI Energy-safe Cities, Beijing, China
- » 14.10.29: Global Biofuels conference, Bangkok, Thailand

#### November

- » 14.11.03 – 14.11.04: RISI Conference, Santiago, Chile
- » 14.11.17 – 14.11.19: Wood Pellets Association Canada, Vancouver, Canada
- » 14.11.19 – 14.11.20: Biofuels workshop, Sudan
- » 14.11.23 – 14.11.28: WBA and IISWBM/BCCI meeting, Kolkata, India

#### December

- » 14.12.01 – 14.12.03: Bio economy conference, Toronto, Canada
- » 14.12.03: RISI event, Australia
- » 14.12.03 – 14.12.04: The Francophone First Congress Renewable Energy and Environment, Sudan
- » 14.12.10: Bioenergy workshop, Quito, Ecuador
- » 14.12.02 – 14.12.13: COP20 conference, Lima, Peru
- » 14.12.09: WBA workshop, Quito, Ecuador

## 3.5 WBA Board and Members

As of December 31, 2014, WBA consists of 22 board members out of which 11 are alternates.

### Board Members

**Sribas Bhattacharya**, International Energy Initiative, IEI, India

**Douglas Bradley**, Canadian Bioenergy Association CanBio, Canada

**Laercio Couto**, Brazilian Network of Biomass for Energy, RENABIO, Brazil

**Heinz Kopetz**, World Bioenergy Association, WBA, Austria

**Andrew Lang**, Wood Energy Group, Australia

**Michael J McAdams**, Advanced Biofuels Association, USA

**Tanay Sidki Uyar**, Eurosolar Turkey

**Wan Asma Ibrahim**, Forest Research Inst. FRIM, Malaysia

**Benard Muok**, African Centre for Technology Studies ACTS, Kenya

**Hisashi Kajiyama**, FUJITSU Research Institute, Japan

**Hong Hao**, Great Resources, China

### Alternate Board Members

**Albert Binger**, Caribbean Community Climate Change Centre, Jamaica

**Hazir Farouk**, Sudan University of Science and Technology, Sudan

**Jörgen Sandström**, Addax Bioenergy, Switzerland

**William Strauss**, FutureMetrics, USA

**Kes McCormick**, International Institute of Environmental Economics, Sweden

**Edgar Castillo**, ECOPETROL, Colombia

**Alexander Maximov**, Bioenergy Unit, Russia

**Rodrigo Rasga**, Colombia Bioenergy, Colombia

**Jean-Marc Jossart**, AEBIOM, Belgium

**Philip Peck**, The International Institute for Industrial environmental economics IIIIEE, Sweden/Australia

**Kai Johan Jiang**, Dragon Power, China

### Nominating Committee

Five members from the global bioenergy community made up the Nominating Committee. The first member and convenor of the committee is:

**Bo Hektor**, IEA Bioenergy Task 40, First bioenergy AB.

**Bo Hektor**, First Bioenergy, Sweden, Convenor

**Jessie Elauria**, University of the Philippines Los Baños, Philippines,

**Miguel Trossero**, Bioenergy Strategies, Argentina,

**Ralph Sims**, Massey University, New Zealand

**Kent Nyström**, former president of WBA, Sweden  
Secretariat

**Karin Haara**, Executive Director

**Andrew Potter**, Director of Communications

**Bharadwaj K Venkata**, Project Officer

### Members

#### Members of Honour

**Kent Nyström, Sweden**

#### Full Members

Spanish Bioenergy Association, Swedish Bioenergy Association, European Biomass Association, Canadian Bioenergy Association, proPellets, Zambian Bioenergy Association, The Wood Energy Group, Energigården - Senter för Bioenergi, CZ Biom - Czech Bioenergy Association, Climate Change Network Nigeria, Eurosolar Turkey, German BioEnergy Association, SSS-National Institute of Renewable Energy, African Bioenergy Association, Austrian Biomass Association, Norsk Bioenergiföreningen, Fachverband Biogas e. V, Bioenergy Association of New Zealand, New World Hope, Advanced Biofuels Association, Bioenergy Association of Turkey

#### Associate Members

First Bioenergy, Elmia AB, EFO AB, Silvex Energy AB, Bandit Industries, INC, United Loggers Ltd, AKATA Commodity Trading ApS, MHG Systems Oy Ltd, Scandinavian Forestry & Engineering, Covaersa s.a.u., Sibcongo, Firefly AB, CPM Europe, Groupe Anderson Inc./Anderson Group co., C.F. Nielsen A/S, W.Kunz Dry Tec AG (Swiss Combi), Viking Heat Engines AS, FM BioEnergy, Jeffrey Rader Corporation, B&W Mechanical Handling Ltd/Samson, Energy commission of Nigeria, Andritz Group AG, Chemec Oy, Vermeer Corporation, KWB, Ekman & Co AB, Bronswerk Heat Transfer BV, National Centre for Biotechnology, Valliluoto Group, Herz Energietechnik GmbH, Energie Steiermark AG, Agrana, Eurotec wtt s.r.l, Promill Stolz SAS, Pilum AB, Ingenieurbüro Riebenbauer, Forstbetrieb Regnier-Helenkow, Addax Bioenergy Management S.A, BDI – BioEnergy International AG, Konrad Forsttechnik GmbH, Scheuch GmbH, Sveaskog Förvaltnings AB, ÖkoFEN Forschungs- und EntwicklungsgesmbH, Lund University Biofuels(LU biofuels)

#### Individual Members

Ohene Kwadwo Akoto, Dirk Volkmann, Anders Rydåker, Laercio Couto, Bruce A. Brewer, Manny Deol, Franco Gotana, Rajesh Chintala, Kes McCormick, Farhad Mirzaei, Jean-Marc, Jossart, Krister Rosenqvist-Packalén, Dan Asplund, Padmavati Manchikanti, Ales Bulc, Praveen Pyata, Hermann Schaller, Kulluru Krishan, Abolarin Kehinde Adeniran, Martina Sumenjak Sabol, Valliluoto, H.E. Martina Martinez, Evandro Carrera, Lucy Kabura Wangai,

Niklas Berge, Niels Madsen, Heinz Kopetz, Benard Muok, Judi W. Wakhungu, Karin Haara, Nicolas Gatenby, Koike Koichiro, Ernst Scheiber, Kaisu Annala, Ikeme Chinwe Hope, Abdulazeez Olarewaju Tajudeen, Douglas Bradley, Hubert Grienberger, Natarajan, Ohno , Kosuke, Noel Carrillo Avila, Klemens Unger, Nateq Be-Nazir Ibn Minar, Hans Biffli, Dr Babu Guttappa Sajjan, , David Heurtevent, Pär Oscarsson, Josef Riegler, Arthur Riedacker, Rudolf Strasser, Edwin Ploder, Harry Stokes, Matthias Grill, Lennart Ljungblom, Eddie Johansson, Hermann Wieser, Manoj Jain, Jawed Ahmed Mangi, Tico Cohen, Muhammed Anees, Ali , oharrek, Faiz Ahmed, Hannes Robier, Vijya Kumar Garlapati, Wolfgang Lehner, Linus Mofor, Omer Adam Bekheit, Harrison Onome Tighiri, Abdorachid omar elmi, Kendal , Bradburn, Elisabeth Smith, Joseph Ambakederimo, Francisco Javier Lozano Chimeno, Adolf Robert Kaswende, Bharadwaj Kummamuru Venkata, Hubert Hausenauer, Björn Vikinge, Nasr Eldin Mohammed Elhussein, Christiane Loidl, Abdelaziz Emad Atabani ,P. Abdul Salam, Dr Parag Dhakate, Ntawukurirayayo, Abiodun Agoro, Autilig Cheong, Mwape Chikonkolo Mwewa

Official Supporter  
Andritz Group AG

Silver Supporters  
AGRANA  
Viking Heat Engine  
KWB

## 4. FUNDING

WBA would like to acknowledge the continued support of financing from the Austrian Government and from our Official Supporter Andritz our Silver supporters Agrana, Viking Heat Engine and KWB and donations from Grazer Wechselseitige Versicherung AG, L H Steiermark, Landesregierung Vorarlberg, Saubermacher AG. It is a continued challenge to build a world organization, especially in the financing. With sustained support from current supporters and the possibilities of new funding partners would enable WBA to be in a stronger position in 2015.

The financial report with figures is available upon request. Kindly send an email to [info@worldbioenergy.org](mailto:info@worldbioenergy.org) with the Subject: Request for WBA annual report 2014 – Authorized Version

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### Stockholm 2015-03-09

Board members below have signed the Annual Report for 2014

Heinz Kopetz, President

Sribas C. Bhattacharya

Laercio Couto

Douglas Bradley

Andrew Lang

Hong Hao

Benard Muok

Wan Asma Ibrahim

Michael J Mc Adams

Tanay Sidki Uyar

Hisashi Kajiyama

My audit report has been submitted and signed 2015 – 03 – 25

**Heléne Ragnarsson**, Authorized public accountant



# World Bioenergy Association

## –The GLOBAL VOICE OF BIOENERGY

### Together with our members

- » We work for an increased use of biomass in the global energy system in the markets for heat, electricity and biofuels
- » We follow the principles of sustainable, efficient and economic biomass development
- » We influence and inform the public opinion in favour of sustainable biomass solutions worldwide and in particular countries
- » We cooperate with global institutions such as UNEP, UNFCCC, IEA, IEA Bioenergy, IRENA, REN Alliance, FAO, REN21 etc. towards the target 100% Renewables

### How we work?

- » **Office** in Stockholm, Sweden
- » **Our members:** companies, associations, individuals all over the world
- » **Main issues:** biomass potential, sustainability of biomass, small scale heat with biomass, combined heat and power, future of biofuels, carbon neutrality of biomass, bioenergy statistics, biomass trade
- » **Main activities:** fact sheets, projects, position papers, presentations in conferences, workshops and supporting biomass trade with the platform: BioenergyConnect.net

### What kind of membership is possible?

Full members

Bioenergy associations on regional, national or international level

Associate members

Companies, energy agencies, research institutes, consultants working in the field of bioenergy

Individual members

Individuals interested in global development of bioenergy as sustainable and renewable energy source

### WBA: benefits of membership

- » Strengthen the lobbying in favour of biomass in global scale
- » Exchange of information and experience between the bioenergy sector world wide
- » Possible cooperation in working groups and projects
- » Access to new global studies and information about bioenergy

### We invite you: Join WBA!

### 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 developing BioenergyConnect, a web-based communication and business platform.

To learn more and apply for membership, please visit:

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

OFFICIAL SUPPORTER OF WBA:

# ANDRITZ

SILVER SUPPORTERS OF WBA:



Viking Heat Engines AS 

