



**WORLD BIOENERGY
ASSOCIATION**

Annual report 2019



www.worldbioenergy.org

ANNUAL REPORT FOR THE FINANCIAL YEAR 2019

The Board presents the following annual report.

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Corporate Identity Number 802444-7958

Introduction by the President

Dear members of the World Bioenergy association, supporters, collaborators and friends,

We had another active year 2019 with quite a lot Bioenergy development actions taken in different regions of the World.

Global climate crisis (I specifically use word “crisis” instead of more common “change”, as it better describes the current situation) remained and will remain as a main driving force for faster transition from fossil fuel to renewable energy sources, and Bioenergy will have a major role in it. At least, in the fields of heating and cooling and transportation, technologies of Bioenergy, enabling transform different sources of biomass into heat or liquid fuel for transport looks as most developed and reliable for the next decade. And recent success stories of some countries (Sweden, Lithuania or Brazil to mention as example) show us and the whole World right directions and the ways, how to unite scientific approach, business and power of societies, when fighting challenges of climate crisis. Bioenergy is a part of future’s bioeconomy, solving very often not only issues of energy production and supply, but also ecological problems: residues of forestry, agriculture and food processing become a valuable “primary” material, serving as a basis for building the whole value chain.

We also developed the ways and methods of our activity, creating new possibilities for our members, also companies and public entities to be involved better in bioenergy development cases.

First of all, I would like to point out, that after the first WBA Bioenergy conference, which took place alongside with COP 24 in Katowice, Poland in December of 2018, the outcomes for better cooperation of two neighboring countries – Poland and Lithuania – were practically implemented and shown at the Lithuanian-Polish Bioenergy mission event in Vilnius, at 4th of June, 2019. This event accelerated the transition process from coal to biomass in district heating systems of Poland.

Secondly, we faced proof of activity and feasibility of “branch – office” model, we started in 2017. Our first branch – office in Changchun, Jilin province (China) was very active establishing a cooperation between bioenergy companies of China and Europe, also exchanging delegations and communicating events. I would like to express my personal gratitude to our board members and Vice-president Mr. Hong Hao for his personal activity and involvement in development of this “trans-regional” model of cooperation in the sphere of Bioenergy. I believe, that we are going to have the same success with our other “ongoing” branches in the World.

And third – WBA was involved in the process of protection of Bioenergy from many attacks by number of NGO’s, accusing Bioenergy for destruction of forests and unsustainable behavior. We organized a mission trip to Georgia (USA) to discuss the situation with local bioenergy businesses and controlling authorities, also to witness the forestry and wood pellets production and handling processes. The conclusion was made, and now WBA can strongly support Bioenergy business all over the World with arguments and outcomes due to this event, being thankful for it to our members and supporters from United states.

I would like to express a strong belief, that Bioenergy will develop worldwide in a sustainable manner, and the WBA will remain a common voice for all the Bioenergy stakeholders, consolidating them and strengthening our, “to promote Bioenergy globally and support a business environment for Bioenergy”.

**REMIGIJUS LAPINSKAS,
PRESIDENT
WORLD BIOENERGY ASSOCIATION**



Remigijus Lapinskas
President
World Bioenergy Association

Summary of Activities 2019

World Bioenergy Association had a good year in 2019. We continued our mission of promoting sustainable bioenergy globally and to support the business environment for bioenergy. Our key activities are summarized here:

Membership is the core foundation of any association. We continued to provide service to our members and invited new companies, associations and individuals to join our association. We continued our collaborations with international partners in jointly promoting the sustainable development of renewable energy technologies and at the same time, explored new collaboration possibilities. We participated in various bioenergy events worldwide as speakers, panellists or as a participant. We published factsheets, newsletters, statistical reports and country mission reports to inform our membership and the wider global audience on the developments in the bioenergy sector. We organized successful trade missions. We became global by setting up branch offices around the world. We ended the year with a note of optimism based on our strong membership base and the focused work plan on promoting bioenergy.

The following sections detail the specific activities of the association throughout the year 2019.

Membership and supporters

Membership forms the foundation of any association and WBA has been fortunate to have a good basis via our membership.

By the end of 2019, we can report that our membership has reached 274 with 36 full members (associations), 86 associated members (companies) and 152 individual members (individuals). Most of the members are based in Europe while we have good presence in other parts of the world as well. Overall, the membership base represents nearly 60 countries.

WBA appreciates the strong membership support. We also have a special appreciation to our support members: Agrana (Austria) and Lantmännen (Sweden) as silver supporters of the WBA.

WBA membership in 2019				
	Full members	Associated members	Individual members	Total
Africa	6	3	22	31
America	5	6	26	37
Asia	4	7	38	49
Europe	20	69	60	149
Oceania	1	1	6	8
Total	36	86	152	274

An overview of the various membership schemes and benefits is presented. We have members from a wide variety of organizations: companies, associations, research institutes, individuals etc. Our membership also covers all sectors of bioenergy including equipment manufacturers, biofuel producers, pellet producers, research institutions, national and regional associations in bioenergy and renewable energy, and individuals from all sectors of bioenergy.

The membership table below sets a guideline on the annual membership fee.

Membership types and characterization		
Type	Category of members	Membership Fees
Full	National and Regional Bioenergy and related associations	300 - 5 000 Euros/year
Associated	Companies, consultancies, energy agencies, research institutions etc.	300 - 5 000 Euros/year
Individual	Individual persons	50 Euros/year

Communion activities

Secretariat

The secretariat of WBA is responsible for executing the activities of the organization and is located in Stockholm, Sweden.

The secretariat is headed by the Executive Director and is supported by Project Assistants, Interns, Advisors and Consultants. The secretariat works closely and reports the activities to the Board Members and the President on a regular basis.

The current office location is as follows:

World Bioenergy Association
Kammakargatan 22, 111 60
Stockholm, Sweden
+46 8 441 70 84

The office hours are usually from 8.00 till 17.00 hours. WBA welcomes all our members and non members working in the bioenergy sector to come and visit us in our office for a Swedish fika (Coffee and Snacks) anytime.

Website

The website is available here: www.worldbioenergy.org. The website is classified into About Us, News & Events, Resources, BioED and Membership. About Us has all information about the organization, board members, members, secretariat, statutes, annual reports etc. News and Events section deals with the latest postings from the organization. We have gathered all our publications under one title – Resources. Here, you can access our factsheets, statistics reports, mission reports (members only), sustainability guide and magazine. Finally, we have one section dedicated to our existing members and also information for potential new members including benefits, fees etc.

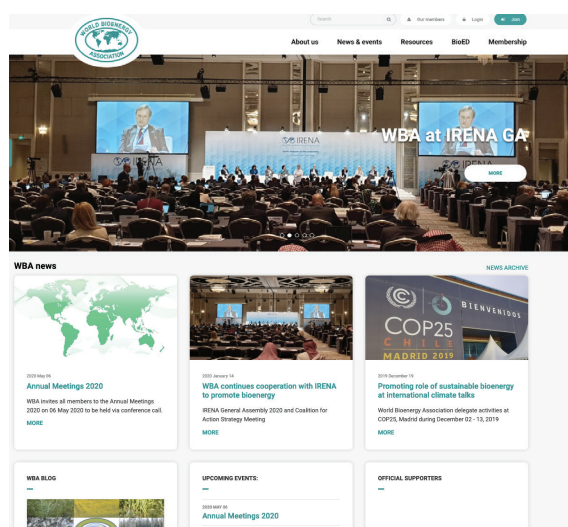


Image: WBA website

Social media

WBA has social media accounts in Facebook, LinkedIn, Twitter and a YouTube Channel and these accounts are followed by many followers who would like to be updated about WBA activities. Any information posted on the website is also followed by a post on our relevant social media channels.

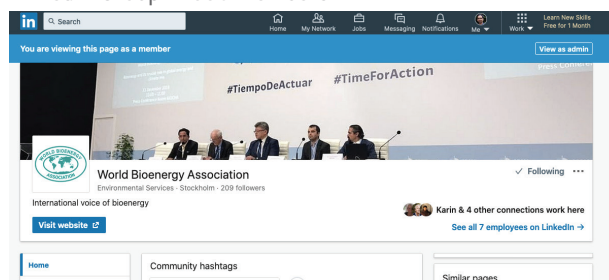
Facebook (2 667 followers)



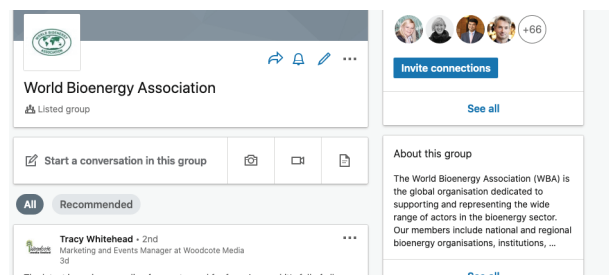
Twitter (1 308 followers)



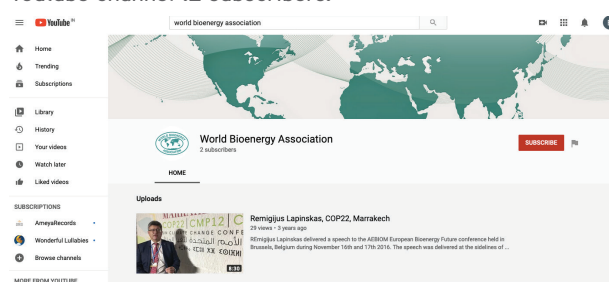
LinkedIn Group (1 336 Members)



LinkedIn Company Page (163 followers)



Youtube channel (2 subscribers)



Member letters

WBA publishes 6 bimonthly newsletters to our members, which included recent developments in bioenergy, membership details, WBA activities and a list of conferences on bioenergy supported by WBA. The member letters can be accessed via logging into the member section. For members, if you do not remember your login, please drop in a mail to info@worldbioenergy.org

Press release

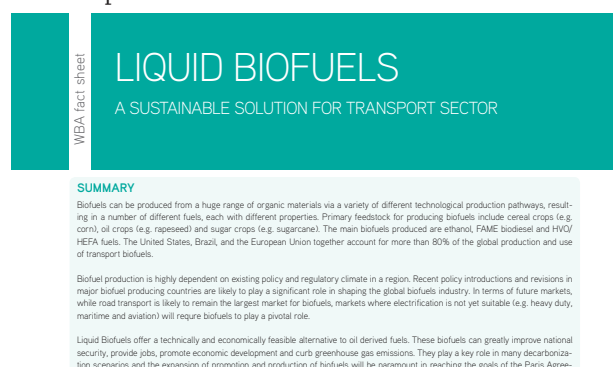
Press releases are one of the primary modes of communication for WBA. The press releases follow various WBA activities or important bioenergy developments. These are issued on the website and sent through our online communication platforms. Following is a list and summary of the press releases we issued in 2019. These are available on our website.

- **5th March:** Invitation-Annual Meetings
- **5th April:** Canada Bioeconomy Summit
- **8th April:** KIREC IAC Meeting, Seoul 2019
- **10th April:** Bioenergy Magazine Issue 7 published
- **14th May:** Annual Report 2018
- **3rd June:** New WBA Factsheet: Liquid Biofuels for Transport
- **5th June:** Lithuania Polish Bioenergy Mission
- **3rd July:** Successful Bioenergy mission to Lithuania from China
- **10th September:** WBA branch office unveiling delayed
- **23rd September:** Successful synergies between sustainable bioenergy and forestry in USA
- **25th September:** Bioenergy Magazine Issue 8 published
- **28th September:** Towards sustainable heating initiative launched by Lithuania
- **18th October:** Bioenergy-an ideal solution for environment and energy challenge in China
- **18th November:** Call for nominations to WBA board
- **03rd December:** Bioenergy continues to play a prominent role in global energy mix (GBS 2019 report)
- **03rd December:** WBA at COP25
- **10th December:** Global renewable associations urge for increased ambition and stable RE policies
- **11th December:** WBA urges policy makers to raise ambition and promote bioenergy policies worldwide
- **19th December:** Promoting role of sustainable bioenergy at international climate talks

Publications

Factsheets

Factsheets are concise overview of natural science-based facts of various bioenergy technologies and processes. These are drafted by an expert individual or organization or company in that particular sector and are then reviewed by a team of experts. Once designed, the factsheet is published on the website and then sent out through our online communication channels to an estimated global mailing list of 50 000 +. These factsheets form the basis of WBA opinion on these particular sectors.



In 2019, WBA prepared a draft on an important factsheet on the topic, “Liquid Biofuels – Sustainable solutions for transportation”. The transportation sector accounts for nearly a quarter of global energy-related carbon dioxide emissions, so finding solutions to decarbonizing transportation will be central to meeting the climate targets agreed upon by the international community. Biomass-based alternatives to fossil-based liquid fuels, known as biofuels, offer a low-carbon transport fuel alternative while also reducing global oil dependence, improving national energy security, and promoting economic development. Biofuels can be produced from a range of different feedstocks, from crops like maize and sugarcane to agricultural residues and even the bio-fraction of municipal waste, through many different technological processes, resulting in different fuels suited to different parts of the transport sector. Ethanol and biodiesel account for the majority of biofuels being produced today, although there are several other biofuels produced on a commercial scale. The production of biofuels is heavily dependent on national policy, and different countries have adopted a range of different strategies for promoting biofuels, from fiscal incentives to blending and volumetric mandates to greenhouse gas reduction targets. These policies will be especially important for shaping the role of biofuels in the markets in which they are likely to play the largest role in the coming years. These markets are predominately transport sectors that will be difficult to electrify, including heavy-duty vehicles, marine transport, and aviation, although biofuels will continue to be important for conventional road transport as well.

Global Bioenergy Statistics 2019

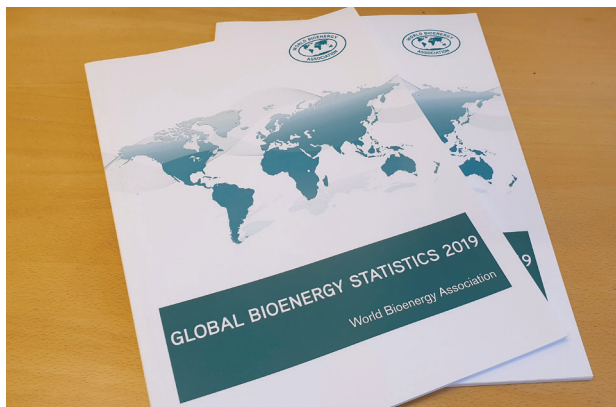


Image: WBA Global Bioenergy Statistics 2019 report

The Global Bioenergy Statistics (GBS) report is the main annual publication of WBA. The report focusses on the global development of biomass to energy – supply, production and consumption. The data is presented on different geographical levels – global, continental and regional levels covering all sectors of bioenergy – liquid biofuels, biogas, pellets, forestry, agriculture, waste etc.

Presently, the global energy system largely depends on fossil fuels. As of 2018, Coal, Oil and Natural Gas constituted 85% of the total primary energy supply of the world. Renewables accounted for only 15% of this supply. Among this, 2% of the supply was contributed by bioenergy and biofuels, 9% by hydro, wind, solar and geothermal power, and the remaining 4% by nuclear energy.

Bioenergy is the predominant source of renewable energy consumption and accounts for over 60% of global usage. Traditional biomass like wood chips and forest residues were used as the major sources of heat and electricity. From the period between 1965-2000, there was a sturdy incline in traditional biomass use when compared to hydro, wind, solar power or even advanced biofuels. Its global consumption crossed 12,500 TWh per year. After 2000, the use of traditional biomass began to decline gradually to 11,000 TWh per year by 2017. However, present usage contributes to 35 EJ and it is expected to increase two-fold for district heating, heating buildings and also for transportation purposes by 2030. Hydroelectric power consumption increased from 2600 TWh per year in 2000 to over 4000 TWh per year by 2017. The use of solar power witnessed an increase of 330 TWh per year between 2000-2017 and wind power increased to over 900 TWh per year. Similarly, advanced biofuels derived from the lignocellulosic feedstock, oil crops, solid wastes from industries and farmlands, etc, rose consistently.

Bioenergy Magazine

The bioenergy business needs a voice on the international arena. During the launch of the World Bioenergy Association in Jönköping, Sweden at the World Bioenergy Conference, a magazine was released with the objective of spreading the message on the need for a global association of bioenergy. Five magazines have been released since 2008 keeping track on the development of WBA as an organization along with developments in the bioenergy field.

WBA is pleased to announce a new series of magazines focussing on the latest trends and developments in the bioenergy sector. WBA will publish the Magazine twice every year in September/October and March/April.

WBA Bioenergy Magazine Issue 7 - 2019



Image: Bioenergy magazine #7

The magazine had featured articles on role of alternative liquid fuels for climate protection, new age biomass trading systems using biomass as a commodity, the challenges and opportunities of using agricultural residues for energy and an updated focus article on dispelling the myths and misconceptions surrounding bioenergy.

A highlight of the magazine is an exclusive interview with COO of Verbio AG, Dr. Oliver Lüdtke. Verbio AG is a leading producer of biodiesel, bioethanol and biomethane within Europe. The magazine also provides an update on a new European project for combined production of power, heat and transport fuels from renewable energy sources. Finally, readers can get a glimpse about the latest news from Austria – a leading country for bioenergy development.

Readers also have an opportunity to know more about past activities of World Bioenergy Association and possibilities to attend our future events. In the magazine, WBA reports on our activities at World Bioenergy Forum and COP24 in Katowice, our Study Mission trip to Changchun, China and the Sweden Ukraine Bioenergy Cooperation Forum in Stockholm.



Image: Bioenergy magazine #8

The magazine with the theme 'Bioenergy sector at the leading edge of the transformation and innovation' has exciting new feature articles on bioenergy technology and developments from around the world.

The closer look article features an update from the World Circular Economy Forum 2019 held during June 3 – 5, 2019 along with the role of bioeconomy in the circular economy. The feature articles include a critical review of the palm oil industry in SE Asia, role of batteries vs. biofuels in the outlook for transport sector towards 2050, an update on myths and misconceptions about bioenergy, global status of household biogas digesters followed by a technology update on gasification of olive pomace.

The magazine also features an update from the WBA US BIOENERGY mission trip during April – May 2019 detailing the forest management practices of US South East and the impact of pellets production and trade in the region.

The interview section features excellent insights into the EU biofuels sector from the viewpoint of Mark Turley, Founder of Pannonia Bio – the largest bioethanol plant in Europe. We discuss EU RED II, Paris agreement, role of e-mobility, jobs, rural development etc.

Finally, Spain is the featured country in this magazine (previously Sweden and Austria) with latest developments in the thermal energy sector, pellet stoves and boilers in the region.

Mission Reports

WBA publishes mission reports regularly based on the study trips organized by WBA around the world. These reports showcase the latest bioenergy developments in regions visited by WBA and are member exclusive. They are not published on the website, but only in the member section of the website accessible via username and password.



FORESTS IN SOUTH EAST USA WBA BIOENERGY MISSION 2019

Image: WBA Mission Report USA 2019

World Bioenergy Association was pleased to organize a delegation from Europe and around the world to the US State of Georgia during April 29 – May 03 comprising of bioenergy experts.

Study Tour: The tour included 2 days of travelling over 750 miles through Southern Georgia visiting pellet mills, forest harvest sites and ports, and discussing with local stakeholders. Discussions were with private forestry owners, pellet mill operators, state forestry commission etc. on the synergies between the bioenergy (pellet) sector and sustainable forestry management in Georgia. The forest biomass energy industrial sector has been an important economic success for the state.

Annual Meetings: WBA organized its 12th Annual Meetings on the campus of University of Georgia in Athens, Georgia, USA on 1st May 2019. The Steering Committee (GA) comprising of full members elected a new board of 18 board members. Remigijus Lapinskas was re-elected as the President and 5 Vice Presidents were elected during the meeting. In the General Assembly (GA) attended by WBA members, the Annual Report was approved and the meeting included review of WBA activities in 2018 and future course of action. We express our gratitude to all our members who were able to participate in the meeting.

UGA Workshop: The delegation also had an opportunity to attend an exciting workshop organized by Warnell School of Forestry and Natural Resources titled 'Adequacy of Spatial Databases for Conducting Risk Assessments of Sustainable Wood Sourcing Practices of the US Industrial Wood Pellet Industry Supplying European Energy Demand'. The workshop aimed to identify ways for improving the use of existing data sources for documenting sustainable forest management in wood pellet supply chains. Issues at the interface of social, environmental, economic, and policy aspects of pellet supply were discussed at the workshop.

Georgia's abundant, productive and sustainable forests are an integral part of the state's economy! Sustainability is an important part of the local forestry management practices in Georgia. Sustainable management ensures that there is a constant growth of forest land, more forest area than ever before, growth exceeding harvest annually, and generation of local employment and revenues.

Events

IEA-RIAB meeting 2019

The IEA convened the 2019 meeting of the Renewable Industry Advisory Board (RIAB) on 2nd April, focusing on innovation and policies to scale up sustainable bioenergy deployment. The meeting brought together fifty senior representatives from companies active in the bioenergy sector, industry associations, research organisations, representatives from the Bio future Platform and other policy makers. Covering a wide geographical scope from across Europe, Brazil, India and the United States. Senior management from across the IEA was also in attendance, demonstrating the importance of bioenergy across the breadth of the energy system. Achieving this scale up will require innovation to commercialise new technologies and fuels. Companies at the forefront of the bioenergy industry showcased a wide range of such cutting-edge developments. The meeting concluded by suggesting that clear sustainability governance frameworks based on internationally aligned principles are needed, and that these will be a likely prerequisite to leverage green finance.



Image: WBA at IEA RIAB meeting, Paris. April 2019

Canada Bioeconomy Summit



Image: WBA at Canada Bioeconomy Summit, Stockholm. April 2019

The Canadian Embassy in Sweden organized an interesting Bioeconomy Summit in Stockholm, Sweden, on 4th April 2019. The event was hosted on the occasion of the visit of a delegation from Canada organized by Biomass North Development Centre and led by WBA Board Member Ms. Dawn Lambe.

The summit was an opportunity to learn from the Canadian experts about the latest developments in the Canadian bioeconomy landscape. The session had an opening speech from the Ambassador of Canada to Sweden. Ms. Heather Grant who informed about the similarities between Canada and Sweden in their approach towards innovation in transition to a clean energy system. Following the speech by the Ambassador, Dr. Murray McLaughlin (Senior Advisor to Canada's bioeconomy) had a presentation on Developing Canada's bioeconomy by building international partnerships with a specific case of the city of Sarnia and its transition towards bioeconomy from fossil fuels and products. The presentations were followed by a networking opportunity.

REN21 IAC Meeting



Image: WBA REN21 IAC meeting, Berlin. April 2019

As part of the International Advisory Committee (IAC) of REN21 IREC's (International Renewable Energy Conference), WBA was invited to the IAC meeting in Berlin on 8th April 2019. The meeting was held along the side-lines of the Berlin Energy Transition Dialogue (BETD) 2019 conference. The next IREC will be held in Seoul, South Korea during 23-25 October 2019. The meeting was held to discuss and debate the development of the program of the conference which will include side events, 35 parallel sessions, high-level sessions and site visits for delegates. Delegates had an opportunity to collectively brainstorm challenging questions and identify speakers for the sessions. The discussions were taken into consideration by the representatives from Korean Energy Agency, WBA as part of the IAC contributed with inputs on latest developments in the bioenergy sector and the importance of solid, liquid and gaseous bioenergy towards the sustainable development in Korea and Asia.

Lithuania-Polish Bioenergy Mission

Lithuania-Polish Bioenergy Mission, which was initiated by the Ministry of Energy of the Republic of Lithuania, WBA and Lithuanian Biomass Energy Association (LITBOMA), took place in Vilnius on the 4th of June, 2019. At the mission, experiences and state-of-the-art technologies were

shared and presented along with market developments and policy instruments. Delegates from Lithuania and Poland (mayors and other municipal politicians, managers of district heating companies, technology producers and biomass suppliers) attended the event and shared the experience and their way to the energy independence based on renewable resources, but also find ways to help each other in doing this. This mission was a perfect event to share good experiences between Lithuania and Poland in developing renewable energy and energy efficiency and to have a constructive discussion towards mutual projects and future plans. As part of the bioenergy mission, two interesting site visits were organized: bio-cogeneration plant “Foksita” and “Grigo Grigiskės” - paper and wood industry company group.



Image: Lithuania - Poland Bioenergy Mission, Vilnius. June 2019

Bioenergy mission to Lithuania from China



Image: Bioenergy mission to Lithuania from China, Vilnius. June 2019

WBA was pleased to report the successful Bioenergy mission from China to Lithuania -organized in cooperation with our branch office in Changchun, China. The mission included energy professionals and bioenergy developers from Jilin Province, China. The one-day intensive mission included meetings with important stakeholders along with site visits to cutting edge bioenergy installations in Lithuania. The great story of Lithuania, where bioenergy has a share of 70% in district heating sector was achieved in relatively short period, is interesting to many countries and decision makers.

China is one of the largest consumer of energy. Recent policies show a dramatic shift towards the development of renewable energy technologies and bioenergy will play a crucial role in the transformation. The discussions during the Bioenergy mission showed a clear preference that crops and residue from agricultural sector will play a major role when developing bioenergy in China. The success of research and practical implementation of bioenergy in this region is very important and crucially needed for the rest of the world. WBA is advancing the development of bioenergy by strong cooperation with Chinese stakeholders.

IEA Bioenergy Workshop, Estonia 2019



Image: IEA Bioenergy workshop, Tallinn. October 2019

An IEA Bioenergy workshop was held in conjunction with ExCo84 in Tallinn, Estonia on the 22nd October 2019, facilitated by The Estonian Ministry of Economic Affairs and Communications. With more than 70 participants including WBA, the theme of the workshop was Developing business models for efficient use of biomass. The workshop included a welcome and introduction followed by three plenary sessions during which twelve invited speakers gave presentations covering ‘setting up supply chains’; ‘examples of developing biobased business models’; and ‘CO₂ capture as part of future biomass business models’. This was followed by a panel discussion covering (i) challenges and opportunities to expand biomass mobilization in a sustainable way and setting up supply chains, (ii) main barriers for industry investments in biobased business models and BECCS and (iii) recommendations to overcome these barriers.

KIREC 2019



Image: REN21 KIREC 2019, Seoul. October 2019

With over 2000 participants, 30 sessions and 22 side events, the eighth edition of the International Renewable Energy Conference (IREC) was held last week in Seoul, the Republic of Korea from Tuesday until Friday and WBA was part of this conference. Called KIREC Seoul 2019 after the hosting country and city, the event was one of a kind; for the first time in the IRECs, a national and a local government where co-host. Cities are taking the leading role in the renewable energy debate and KIREC Seoul 2019 was another example of multi-level integration needed for the energy transformation. The conference started on 22 October with a day full of side events. From climate to mobility and women empowerment, the day was an opportunity for the organizations to highlight what they were doing to advance into a more sustainable energy future. The event started with a powerful speech by Ban Ki-moon, former UN Secretary General. The parallel sessions formed the main segment of KIREC Seoul. Divided into five tracks, each one tackled a particular theme regarding renewables; Policy and Market Design; Cities; Finance, Technology & Industrialization, Innovation and Social Dimension. This was followed by a high-level panel on the central role of cities in the energy transition. KIREC Seoul 2019 closed with the reading of the KIREC Seoul 2019 Conference Declaration and final remarks by REN21 Executive Secretary, Rana Adib.

COP25



Image: COP25, Madrid. December 2019

The longest COP ever ended in Madrid, Spain on Sunday, having extended for two more days than the planned twelve days. COP25 ended without an agreement on many key issues including financing, transparency, ambition, carbon markets etc. Since the Paris Agreement was signed 5 years back on 12th December 2014, the main challenge for negotiators at the COP was to come up with a rulebook to implement the Paris Agreement. Although minor agreements were reached during the event, the discussions and decisions were nowhere in sync with the demands from scientific community, civil society and the private sector.

WBA as the leading global bioenergy community was ever present at the COP by organizing events, press conferences, exhibit stands and interviews to inform and educate policy makers on the readiness of renewable energy technologies, especially bioenergy as a sustainable option for meeting Paris Goals.

Collaborations

In the mission to promote sustainable bioenergy development in the overall context of a renewable energy, it is important to work with like-minded partners. WBA works with many international organizations in varying capacities and 2019 saw the following developments:

REN Alliance

WBA works closely with REN Alliance comprising of leading renewable energy organizations including ISES (International Solar Energy Society), IHA (International Hydro-power Association), WWEA (World Wind Energy Association) and IGA (International Geothermal Association). We regularly participate in meetings and co-organize events at COP climate conferences.

REN21

REN21 is a policy network promoting renewables in the 21st century. Our association associates with REN21 by contributing with expert reviews on documents related to bioenergy, for e.g. Global Status Reports. We contributed to REN21 GSR (Global Status Report) 2019 and also participated in their Steering Committee meetings at Paris on 26th June where an overview of GSR 2019 was also discussed.

IRENA

IRENA is the leading governmental organization promoting renewable energies globally. WBA already has a letter of cooperation in the statistics project. We regularly contribute with reviews on their reports on bioenergy. WBA also applied to join the IRENA Coalition for Action. The Coalition forms a key international network to discuss industry trends, share knowledge and exchange best practices for the global energy transformation. WBA participated in the working group on 100% Renewable Energy and was a contributing author to the report on 100% Renewable Energy – States, Trends and Lessons learned.

The report was published at the 9th IRENA General Assembly in Abu Dhabi in January 2019. In 2019, WBA decided to continue our participation in the working group and promote bioenergy. With this collaboration, WBA plans on increasing the prominence of bioenergy in the wider renewable energy community.

Go100%

WBA is the founding member of the Go100% campaign. The campaign has now become a legal entity based in Bonn, Germany.

Other partnerships include IEA (International Energy Agency), FAO (Food and Agricultural Organization), ISO (International Standards Organization), WEC (World Energy Council) and GCF (Green Climate Fund).

Organization

WBA meetings

WBA organizes various meetings throughout the year. These include board meetings, office meetings and attendance in international events:

Board meetings

WBA organizes 4 – 5 board meetings annually. In 2019, we organized 4 WBA Board meetings as follows:

- **22nd February** – Conference Call
- **1st May** – Georgia, USA
- **6th August** – Conference Call
- **14th November** – Conference Call

WBA Board Members 2019-2020

- Remigijus Lapinskas, World Bioenergy Association (Lithuania)
- Werner Sitzmann, Amandus Kahl (Germany)
- Dawn Lambe, Biomass North Development Centre (Canada)
- Adrian Suharto, Neste (Singapore)
- Benard Muok, Jaramogi Odinga Odinga University of Science and Technology (Kenya)
- Tanay Sidki Uyar, Eurosolar Turkey and Bioenergy Association of Turkey (Turkey)
- Laercio Couto, Renovabio (Brazil)
- Jean Marc Jossart, European Biomass Association (Belgium)
- Saku Rantanen, Tasma Bioenergy (Singapore)
- Geraldine Kutas, UNICA (Brazil)
- Wan Asma Ibrahim, Forest Research Institute (Malaysia)
- Mika Ohbayashi, Japan Renewable Energy Institute (Japan)
- Hazir Farouk, Sudan University of Science and Technology (Sudan)
- Alarik Sandrup, Lantmännen (Sweden)
- Kelvin Hong, Great Resources (China)
- Ben Moxham, Enviva (UK)
- Christian Rakos, CEO, Propellets (Austria)
- Zygmunt Gzyra, President, Polish Chamber of Bio-fuels (Poland)

Nominating Committee

- Gustav Melin, CEO, Svebio (Sweden)

Secretariat

- Bharadwaj Kummamuru, Executive Director (Sweden)
- Karin Haara, Senior Advisor (Sweden)

Members of Honour

- Kent Nystrom, Stockholm

Full members

Spanish Bioenergy Association, Swedish Bioenergy Association, European Biomass Association, proPellets, Energy Farm International Foundation, CZ Biom - Czech Bioenergy Association, Eurosolar Turkey, German BioEnergy Association, 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, Lithuanian biomass energy association, Swedish Peat Producers Ass., Bioenergy 2.0 Association, the Bioenergy Association of Finland, Biomass Energy Efficient Technologies Association, Bioenergy Association of Ukraine, UABio, Central Africa Network for Renewable Energies, Namibia Biomass Industry Association, Cluster VALBIOM Maroc, ePure, Croatian Biomass Association, Polish Chamber of Biofuels, Indian Bioenergy Association, Hungarian Bioethanol Association, International Biochar Institute, Asosiasi Pengusaha Cangkang Sawit Indonesia, Power Workers Union

Associated members

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