

ZVEZA DRUŠTEV ZA BIOMASO SLOVENIJE
SLOVENIAN BIOMASS ASSOCIATION



17th INTERNATIONAL CONFERENCE SLOBIOM 2017

**MULTICULTURAL COOPERATION FOR ORGANIC AGRICULTURE AND
HEALTHY FOOD, RENEWABLE ENERGY AND RAW MATERIALS**

**SLOVENIA AND REGIONS OF NEIGHBOURING COUNTRIES
GO 100% RENEWABLE ENERGY AND ORGANIC AGRICULTURE**

**ORGANIC AGRICULTURE
RENEWABLE ENERGY
FOR SUSTAINABLE
FUTURE**



www.slobiom.si

**HALL OF THE NATIONAL COUNCIL OF THE REPUBLIC OF SLOVENIA
Šubičeva 4, 1000 Ljubljana, Thursday, 30 November, 2017, 9:00 - 17:00**

THERE IS NO FEE FOR THE CONFERENCE

Zveza društev za biomaso Slovenije, Jareninski Dol 1, SI-2221 Jarenina, Slovenija
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Dear Sir/Madam,

You are kindly invited on 30 November to the Hall of the National Council of the Republic of Slovenia to participate at the 17th SLOBIOM International Conference, focusing on

SLOVENIA AND NEIGHBOURING COUNTRIES
GO 100% RENEWABLE ENERGY AND ORGANIC AGRICULTURE

Our generation is annually paying around 550 billion USD to support fossil fuel energy production, and thereby destroying our planet and our health, when more than 1 billion people are without access to water and electricity. Health and Environment Alliance (HEAL) stated that in Europe we are paying for subsidies 112 billion EUR a year, while in G20 countries are paying 416 billion EUR and the health costs are around 2600 billion EUR. The world hunger after steadily declining for over a decade is again on the rise, driven by conflicts and climate change. The impact of global temperature increase with all now given weather changes on agriculture is critical to maintain global food supply. According to the annual United Nations report on world food security and nutrition 815 million people were affected in 2016. It is expected that figures will rise to 9 billion people by 2050 and 11 billion people by 2100. Feeding that population will require more arable land even as swelling oceans consume fertile coastal zones and river deltas, driving people to seek new places to dwell. In the year 2100 2 billion people could become climate change refugees, due to rising ocean levels, according to Cornell University. [A new interactive online map from the Mercator Research Institute on Global Commons and Climate Change \(MCC\) now illustrates what the reduction of subsidies can contribute to the financing of the infrastructure in each country](#), reported Franz & Bigi Alt on their www.sonnenseite.com.

Recognizing the harmful effects of the use of chemically and radioactively polluting energy sources and raw materials as well as industrial agriculture on the human health, on the health of the environment and the socio-economic health of nations, we are invited our neighbouring countries for closely cooperation in the implementation of renewable energy and organic agriculture for healthy food and to develop green economy for sustainable future. We need emission free world to stop the climate warming, desertification, and losing of biodiversity, underlined Hans-Josef Fell, President of the Energy Watch Group and World Ambassador to GO 100% RENEWABLE ENERGY. International Renewable Energy Agency is supporting countries in their transition to a sustainable energy future, also in SEE, www.irena.org.

The initiative to go 100% renewable energy and organic agriculture is important for our region, as well as for each country in the world, to find out the best regional solutions to overcome climate change, hunger, chronic diseases and how to realise all 17 United Nations Global Goals for Sustainable Development. After COP23 countries have an opportunity to significantly increase renewable energy ambition within Nationally Determined Contributions (NDCs), said Adnan Z. Amin, IRENA Director-General at press conference in Bonn.

In the morning session key speakers are focusing to the climate change world-wide and in our region, and how to avoid the problematic man-made artificial field pollutions at the earth's atmosphere. The second session is informing us about the innovative biomass co-generation systems for decentral energy and biochar production and how to repowering agriculture with biochar. Biochar is the best way for sustainable carbon sequestration and global soil enhancement. The speakers presentations, enriched with their personal research and solutions how with biochar implementation to avoid air, water, soil pollution and erosion, to producing enough healthy food for all, are bringing the best arguments for transition from the industrial to the organic agriculture. Before the Round Table for Slovenia and neighbouring countries, Dr. Heinz Kopetz is presenting from Paris to Bonn conclusions for the climate policy in the central Europe. To the Round Table are inviting mayors, ministers of agriculture, energy and environment and parliamentarians to present their strategies to repowering the agriculture and energy sectors to overcome climate change. Rolf Holub, Carinthia Regional Minister for Energy and Environment is presenting Energy Masterplan for 100% Renewable Energy in Carinthia until 2035.

Thank you very much for your decision to share your vision for sustainable future of Slovenia and neighbouring countries.

Martina Sumenjok Sabol, M.Sc., President, SLOBIOM

Jarenina, 15 November 2017

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PROGRAM

8:40 OPENING OF THE CONFERENCE

Branko Šumenjak, Vice-President, National Council of the Republic of Slovenia
Invited Ministers: Slovenian Ministry of Environment and Spatial Planning, Ministry of Infrastructure and Ministry of Agriculture, Forestry and Food

Martina Šumenjak Sabol, M.Sc., President, Slovenian Biomass Association, SLOBIOM

9:00 CLIMATE IS CHANGING

CHAIRLADY:

Prof. Lučka Kajfež Bogataj, Ph. D., Head, Department for Agrometeorology, Agricultural Land Management, Economics and Rural Development, Biotechnical Faculty, University of Ljubljana

9:05 VIDEO AND SKYPE PRESENTATION: GLOBAL CLIMATE CHANGE

Christian König, Head, Agency for Weather-Climate-Environment, WKU, Erding, Germany

9:30 CLIMATE IS CHANGING TOO FAST ALSO IN OUR REGION

Prof. Lučka Kajfež Bogataj, Ph. D., Head, Department for Agrometeorology, Agricultural Land Management, Economics and Rural Development, Biotechnical Faculty, University of Ljubljana

9:45 NATURAL AND PROBLEMATIC MAN MADE ARTIFICIAL FIELD POLLUTIONS AT THE EARTH'S ATMOSPHERE – REMEDIES FOR A HEALTH PROTECTING ENVIRONMENT

Dr.Sc. Florian M. König, Director, Florian M. König Enterprises (FKE) GmbH, Germering, Germany

10:20 DISCUSSION

10:40 SLOVENIAN BREAKFAST AND PRESENTATION OF Dr.Sc. Florian M. König HEALTH PROTECTING SYSTEM

11:00 BIOMASS FOR ENERGY AND BIOCHAR PRODUCTION AND ITS IMPLEMENTATION IN SOIL CULTIVATION, FOR SUSTAINABLE CARBON SEQUESTRATION, FOR LOCAL, NATIONAL AND GLOBAL SOIL ENHANCEMENT CHAIRMAN:

Ass. Prof. Dušan Klinar, Ph. D., Senior Professional Associate Researcher, Scientific Research Centre Bistra Ptuj, SRC Bistra, Ptuj, Slovenia

11:05 COGENERATION AND BIOCHAR PRODUCTION FROM WOOD CHIPS

Marcel Huber, CEO, SYNCRAFT Engineering GmbH, Schwaz, Austria

11:25 QUALITY OF BIOCHAR PRODUCTION

Benjamin Hupfauf, Research Assistant, Environmental, Process & Energy Engineering, Management Center Innsbruck, MCI, Innsbruck, Austria

11:45 BIOCHAR FOR AGRICULTURE, ITS IMPACT ON THE NITROGEN CYCLE

Priv. Doz. Dr. Rebecca Hood-Nowotny B.Sc (Hons). MBA., Scientist, Center for Energy, Environmental Resources & Technologies, Austrian Institute of Technology GmbH, Tulln, Austria

12:15 SONNENERDE, THE BEST SOIL UNDER THE SUN

Gerald Dunst, CEO, SONNENERDE, Gerald Dunst Kulturerden GmbH, Riedlingsdorf, Austria

12:45 DISCUSSION

13:15 LUNCH

14:00 FROM PARIS TO BONN: CONCLUSIONS FOR THE CLIMATE POLICY IN CENTRAL EUROPE

Dr. Heinz Kopetz, Senior Consultant, World Bioenergy Association, WBA, Stockholm

**14:30 ROUND TABLE FOR SLOVENIA AND NEIGHBOURING COUNTRIES
PRACTICAL STEPS TO GO 100% RENEWABLE ENERGY AND
100% ORGANIC AGRICULTURE WITH BIOCHAR IMPLEMENTATION
CO-CHAIR**

Martina Šumenjak Sabol, M.Sc., President, Slovenian Biomass Association, SLOBIOM

Dr. Štefan Merkač, Member of Cabinet, Office of Regional Minister Rolf Holub, Carinthia

Peter Kralj, Ph. D., Member, Slovenian Biomass Association, SLOBIOM

Invited:

Mayors, Agriculture, Energy and Environment Ministers and Parliamentarians from Austria, Croatia, Hungary, Italy and Slovenia

Confirmed:

Rolf Holub, Regional Minister for Energy and Environment Protection in Carinthia, Austria

16:30 CONCLUSION OF THE CONFERENCE

Dr. Heinz Kopetz, Senior Consultant, World Bioenergy Association, WBA, Stockholm

Dr. Štefan Merkač, Member of Cabinet, Office of Regional Minister Rolf Holub, Carinthia

Martina Šumenjak Sabol, M.Sc., President, Slovenian Biomass Association, SLOBIOM

COORDINATION AND MODERATION OF THE CONFERENCE:

Martina Šumenjak Sabol, M.Sc., President, Slovenian Biomass Association, SLOBIOM