

Market Uptake of Renewable Energies for Heating and Cooling

**Final International Conference
of the EU H2020 Projects BioVill and CoolHeating**

28 November 2018

Manos Conférence Centre
(Grand Place room)
Chaussée de Charleroi n°135
Brussels, Belgium



organised by:



giz



These projects have received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement N° 691661 (BioVill) and N° 691679 (CoolHeating)



Welcome to the International Conference

The two EU funded projects BioVill and CoolHeating warmly invite you to their joint final international conference in Brussels on “Market Uptake of Renewable Energies for Heating and Cooling”. Major objective of the one-day event is to provide a platform for the presentation and discussion of the projects results to the political, economic and scientific communities in Europe. Moreover, it fosters alliances between the public and the private sector to promote the further roll out of bioenergy villages and renewable energies based local district networks for heating and cooling.

The international conference offers a number of diverse presentations. Project partners, local representatives of the partner countries and high-level experts will assess the main outcomes of the projects, present best practice examples and highlight innovative value chains for the sustainable use of renewable energies in local district networks for heating and cooling. Representatives of public authorities and utility companies, national and regional decision makers and the research community as well as interested organizations, municipalities, facilitators, SMEs, contractors and other stakeholders are invited to learn more about different aspects of the bioenergy villages approach and local district networks for heating and cooling.

This event provides an excellent opportunity to meet renewable energy experts from EU, national, regional and local level and to create new contacts and promote business opportunities.

Introduction

BioVill and CoolHeating are projects founded by the European Union's Horizon 2020 research and innovation programme, which is a financial instrument for implementation of the Innovation Union - a Europe 2020 flagship initiative aimed at securing Europe's global competitiveness.

The objective of the **BioVill** project is to support the development of regional bioenergy concepts and the establishment of bioenergy villages in Croatia, Macedonia, Romania, Serbia and Slovenia by transferring existing experiences from Austria, Germany and other European countries to the partners in South-East Europe. Core



activities of the BioVill project include national and local framework analyses, technological and economic assessments of local bioenergy value chains, development of the institutional set-up and energy management concepts for the potential Bioenergy villages as well as capacity building on financing schemes and business models. BioVill uses a multi stakeholder approach fostering the involvement and active participation of the citizens and all relevant stakeholders in the planning and implementation process. Major result of the BioVill project will be the initiation of at least five bioenergy villages in the target partner countries up to the investment stage for physical infrastructure. Altogether the BioVill project will contribute to the expansion and sustainability of the bioenergy markets in Europe and the European Union. The project started in March 2016 in collaboration with the following 9 partners from the target countries, as well as from Germany and Austria:

- **Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH**, Germany
- **WIP Renewable Energies**, Germany
- **Klimaschutz und Energieagentur Baden-Württemberg GmbH**, Germany
- **Austrian Energy Agency**, Austria
- **Regional Energy Agency of North-West Croatia**, Croatia
- **International Centre for Sustainable Development of Energy, Water and Environment Systems - Macedonian Section**, Macedonia
- **Green Energy Association**, Romania
- **Slovenian Forestry Institute**, Slovenia
- **Standing Conference of Towns and Municipalities**, Serbia



The objective of **CoolHeating** is to support the implementation of "small modular renewable heating and cooling grids" for communities in South-Eastern Europe. CoolHeating transfers



knowledge from partners in countries where renewable district heating and cooling examples exist (Austria, Denmark, Germany) to countries where there are less examples in the sector (Croatia, Slovenia, Macedonia, Serbia, Bosnia-Herzegovina). Core activities, besides techno-economical assessments, include measures to stimulate the

interest of communities and citizens to set-up renewable district heating systems as well as the capacity building about financing and business models. The outcome is the initiation of new small renewable district heating and cooling grids in 5 target communities up to the investment stage. CoolHeating started in January 2016 in collaboration with the following partners from the target countries, as well as from Germany and Austria:

- **WIP Renewable Energies**, Germany
- **PlanEnergi**, Denmark
- **Güssing Energy Technologies GmbH**, Austria
- **University of Zagreb, Faculty of Mechanical Engineering and Naval Architecture**, Croatia
- **Skupina Fabrika d.o.o.**, Slovenia
- **International Center for Sustainable Development of Energy, Water and Environment Systems - Macedonian Section**, Macedonia
- **University of Belgrade, School of Electrical Engineering**, Serbia
- **JP Elektroprivreda BiH d.d.-Sarajevo**, Bosnia-Herzegovina
- **City of Šabac**, Serbia
- **Opcine Visoko**, Bosnia-Herzegovina
- **Občina Ljutomer**, Slovenia



Programme

08:30-09:00 Registration

Session 1: Overview on Renewable Heating Developments

Moderation: NATAŠA MARKOVSKA, SDEWES-SKOPJE, MACEDONIA

- 09:00-09:20 **Welcome and introduction from the project coordinators**
JENS ADLER, PROJECT COORDINATOR BIOVILL, DEUTSCHE GESELLSCHAFT FÜR INTERNATIONALE ZUSAMMENARBEIT (GIZ) GMBH, GERMANY
DOMINIK RUTZ, PROJECT COORDINATOR COOLHEATING, WIP RENEWABLE ENERGIES, GERMANY
- 09:20-09:40 **Trends on renewable heating and cooling in research and development**
THOMAS SCHLEKER, DG RTD, EUROPEAN COMMISSION
Link to the speaker presentation:
http://biovill.eu/wp-project/uploads/2018/08/2018-11-30-biovill_coolheating_finale_conference_session1_schleker.pdf
- 09:40-10:10 **Key note speech:**
Policies, trends and opportunities of renewable heating and cooling in Europe
KARLIS GOLDSTEIN, DG ENER, EUROPEAN COMMISSION
Link to the speaker presentation:
http://biovill.eu/wp-project/uploads/2018/08/2018-11-30-biovill_coolheating_finale_conference_session1_goldstein.pdf
- 10:10-10:30 **Renewable Energy Potential and Policies in South East Europe**
TOSHIMASA MASUYAMA, INTERNATIONAL RENEWABLE ENERGY AGENCY (IRENA)
Link to the speaker presentation:
http://biovill.eu/wp-project/uploads/2018/08/2018-11-30-biovill_coolheating_finale_conference_session1_masuyama.pdf
- 10:30-11:00 Coffee Break

Session 2: Bioenergy Villages (BioVill) - Increasing the Market Uptake of Sustainable Bioenergy

Moderation: MIODRAG GLUŠČEVIĆ,

STANDING CONFERENCE OF TOWNS AND MUNICIPALITIES, SERBIA

- 11:00-11:15 **BioVill – Increasing the market uptake of sustainable bioenergy through bioenergy villages**
JENS ADLER, DEUTSCHE GESELLSCHAFT FÜR INTERNATIONALE ZUSAMMENARBEIT (GIZ) GMBH, GERMANY
Link to the speaker presentation:
http://biovill.eu/wp-project/uploads/2018/08/2018-11-30-biovill_coolheating_finale_conference_session2_adler.pdf
- 11:15-11:30 **The national bioenergy village support programme in Germany**
HERMANN HANSEN, FACHAGENTUR NACHWACHSENDE ROHSTOFFE E.V., GERMANY
Link to the speaker presentation:
http://biovill.eu/wp-project/uploads/2018/08/2018-11-30-biovill_coolheating_finale_conference_session2_hansen.pdf
- 11:30-12:00 **From the idea to the business model of bioenergy villages**
MARTIN HÖHER, AUSTRIAN ENERGY AGENCY, AUSTRIA
KONSTANZE STEIN, KLIMASCHUTZ UND ENERGIEAGENTUR BADEN-WÜRTTEMBERG GMBH, GERMANY
Link to the speaker presentation:
http://biovill.eu/wp-project/uploads/2018/08/2018-11-30-biovill_coolheating_finale_conference_session2_hoehler_stein.pdf
- 12:00-12:15 **Dole pri Litiji – the first energy self-sufficient village in Charcoal Land, Slovenia**
JOŽE PRAH, SLOVENIAN FOREST SERVICE, SLOVENIA
DARIJA KOCJAN, SLOVENIAN FORESTRY INSTITUTE, SLOVENIA
Link to the speaker presentation:
http://biovill.eu/wp-project/uploads/2018/08/2018-11-30-biovill_coolheating_finale_conference_session2_prah_en.pdf
http://biovill.eu/wp-project/uploads/2018/08/2018-11-30-biovill_coolheating_finale_conference_session2_prah_slo.pdf
- 12:15-12:30 **A bioenergy concept for a settlement in the Municipality of Kichevo, Macedonia**
TINO ALEKSOV, MUNICIPALITY OF KICHEVO, MACEDONIA
LJUPCHO DIMOV, MUNICIPALITY OF KARPOSH, MACEDONIA
VASIL BOZHICALIEV, SDEWES-SKOPJE, MACEDONIA

Link to the speaker presentation:

http://biovill.eu/wp-project/uploads/2018/08/2018-11-30-biovill_coolheating_finale_conference_session2_dimov_en.pdf

12:30-12:45 Discussion

12:45-13:45 Networking Lunch
Hotel Manos Premier
(opposite of the Conference Centre)

Session 3: CoolHeating - Market Uptake of Small Modular Renewable District Heating and Cooling Grids for Communities

Moderation: ROK SUNKO, SKUPINA FABRIKA D.O.O., SLOVENIA

- 13:45-14:00 **CoolHeating – Small modular renewable heating and cooling grids for communities**
DOMINIK RUTZ, WIP RENEWABLE ENERGIES, GERMANY
Link to the speaker presentation:
http://biovill.eu/wp-project/uploads/2018/08/2018-11-30-biovill_coolheating_finale_conference_session3_rutz.pdf
- 14:00-14:30 **Planning of small district heating grids: technical concepts for heating with biomass, solar thermal, heat pumps**
CHRISTIAN DOCZEKAL, GÜSSING ENERGY TECHNOLOGIES, AUSTRIA
Link to the speaker presentation:
http://biovill.eu/wp-project/uploads/2018/08/2018-11-30-biovill_coolheating_finale_conference_session3_doczekal.pdf
- 14:30-14:45 **Two district heating projects close to implementation in Šabac, Serbia: The role of biomass for district heating**
SLOBODAN JEROTIC, PRESIDENT OF TOPLANA ŠABAC, SERBIA
Link to the speaker presentation:
http://biovill.eu/wp-project/uploads/2018/08/2018-11-30-biovill_coolheating_finale_conference_session3_jerotic.pdf
- 14:45-15:00 **Solar thermal energy and seasonal storage for a district heating grid in Visoko, Bosnia and Herzegovina**
AMRA BABIC, MAYOR OF VISOKO, BOSNIA AND HERZEGOVINA
MARIN PETROVIC, MUNICIPALITY OF VISOKO, BOSNIA AND HERZEGOVINA
Link to the speaker presentation:
http://biovill.eu/wp-project/uploads/2018/08/2018-11-30-biovill_coolheating_finale_conference_session3_petrovic.pdf
- 15:00-15:15 Discussion
- 15:15-15:45 Coffee Break

Session 4: Market uptake of renewable energies for heating and cooling in Europe – The impact of the projects BioVill and CoolHeating

Moderation: NIKE KRAJNC, SLOVENIAN FORESTRY INSTITUTE, SLOVENIA

15:45-16:30 Panel discussion

PROF. NEVEN DUIC, UNIVERSITY OF ZAGREB, CROATIA

PROF. ION VISA, TRANSYLVANIA UNIVERSITY OF BRASOV, ROMANIA

JAKOB WORM, PLANENERGI, DENMARK

NADA MARIJANOVIĆ, MUNICIPALITY OF PERUŠIĆ, CROATIA

16:30-17:30 Farewell reception

Hotel Manos Premier

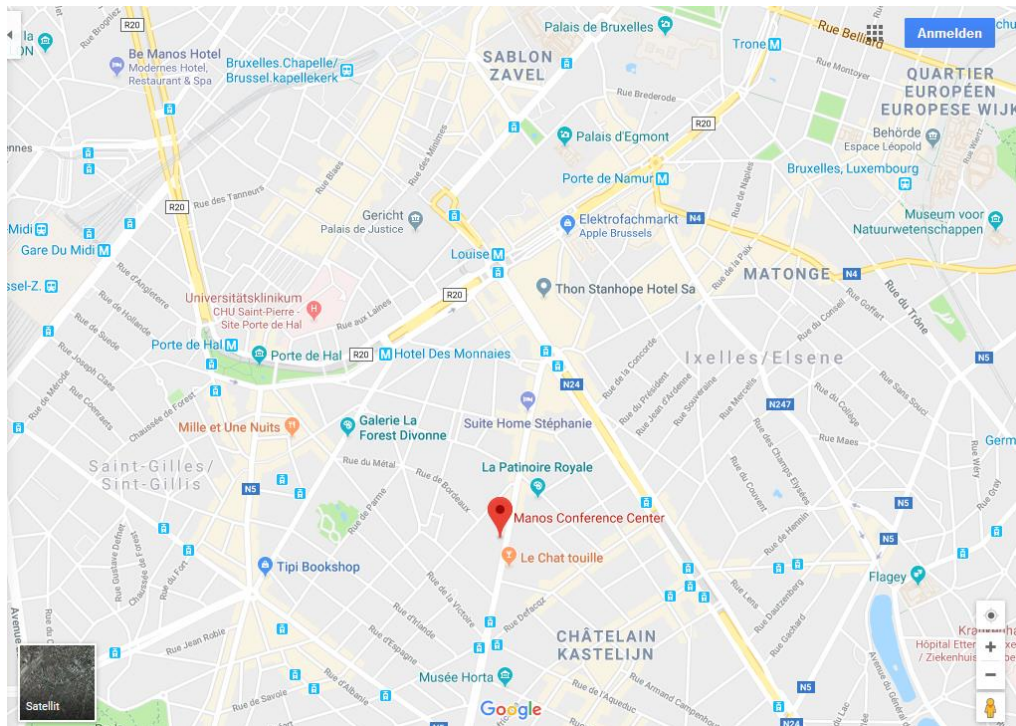
(opposite of the Conference Centre)

Practical information

Date & Venue:

28 November 2018

Manos Conférence Centre; Chaussée de Charleroi n°135; Brussels, Belgium



Proposed Hotels:

Hotel Manos 1er Hotel*****, n° 135 Chaussée de Charleroi

Hotel Manos Stephanie****, n° 28 Chaussée de Charleroi

Registration:

Participation is free of charge, **but registration is required!**

Please register before **23 November** using this [REGISTRATION LINK!](#)

For more information, contact:

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Websites:

www.biovill.eu

www.coolheating.eu