

WIP

**RENEWABLE
ENERGIES**



IN THE FOCUS:

**RENEWABLE
HEATING & COOLING**

WIP RENEWABLE ENERGIES

YOUR PARTNER IN THE FIELD OF RENEWABLE ENERGIES



OUR MISSION



The current energy infrastructure worldwide must be transformed with the objective to reduce fossil energy related conflicts, mitigate climate change, and avoid other negative impacts of nuclear and fossil energy systems.

Our mission is to contribute to this goal by *facilitating research, innovation and market integration of renewable energy systems* through collaborative efforts across all sectors of society.



EXPERTISE



WIP is a renewable energy consultancy with a long history of managing research and innovation projects and organizing leading conferences and events in the sector. With *more than 30 years of experience* and a *multinational team of over 20 people*, we have already successfully implemented *more than 350 European and international projects* in the field of Renewable Energy.

OUR CONSULTANCY SERVICES

Research, Consultancy, Communication and Exploitation Services

Research & Consultancy

We have a long track record of carrying out *high-quality studies* in all areas where our company is active. The type of work ranges from *economic assessments and market research to policy analysis and Life Cycle Assessments*.

Comms, dissemination and exploitation

We have a team of experts who develop *communication campaigns*, Stakeholder workshops as well as *strategies for the exploitation of R&I project results*, targeting either the general public or selected target groups.

Event Organisation

WIP's expertise with event organization includes the *conception, pre-financing, preparation, organisation and management* of high-level and large-scale international conferences, workshops, seminars and exhibitions in the field of RES



***“FOR THE FULL
DECARBONIZATION UNTIL 2050,
WE URGENTLY NEED A HIGHER
ATTENTION ON HEATING AND
COOLING WHICH IS
RESPONSIBLE FOR ABOUT 50%
OF ENERGY CONSUMPTION IN
THE EU. THIS SECTOR WAS
NEGLECTED IN COMPARISON TO
THE POWER AND MOBILITY
SECTORS IN THE LAST YEARS.
THIS HAS TO RAPIDLY CHANGE.”***

DOMINIK RUTZ,
CHAIR OF THE BIOMASS TECHNOLOGY PANEL OF
THE EUROPEAN TECHNOLOGY AND INNOVATION
PLATFORM ON RENEWABLE HEATING AND COOLING



IN THE FOCUS: RENEWABLE HEATING & COOLING

Heating and cooling in buildings and industry accounts for half of the EU's energy consumption, but the sector is still dominated by fossil fuels: only 19.5% of thermal energy is generated from renewables, the biggest majority of which comes from bioenergy (86,6% of the total renewable heat consumption in 2017). An increase in the share of RES in H&C will be crucial for Europe to reach its energy and climate objectives and bioenergy will be a key driver in the decarbonisation of the heating sector.

WIP Renewable Energies is strongly committed to the decarbonisation of heating and cooling and for this purpose it has been coordinating and implementing numerous projects boosting the use of clean, safe, efficient and increasingly cost-competitive renewable technologies in the H&C sector.

OTHER THEMATIC AREAS AT WIP:

Renewable Energy Technologies

- Solar energy
- Bioenergy & bioeconomy
- Wind energy
- Hydropower
- Other Renewable Energy Technologies

Energy System Integration

- Energy storage and grid integration
- Energy efficiency
- Smart cities and networks
- Sector coupling

Market Uptake

- Social Innovation
- Policy development
- Sustainability analysis
- Training and capacity building
- Communication and Exploitation

...and many more!



IN THE FOCUS:

WIP'S PROJECT ON RENEWABLE HEATING & COOLING

CoolHeating – Market uptake of small modular renewable district heating & cooling grids for communities



The objective of CoolHeating is to support the implementation of "small modular renewable heating and cooling grids" for communities in South-Eastern Europe. This will be achieved through knowledge transfer and mutual activities of partners in countries where renewable district heating and cooling examples exist and in countries which have less development (European Commission, 2016-2018, www.coolheating.eu).

REPLACE - Making heating and cooling for European consumers efficient, economically resilient, clean and climate-friendly



The aim of REPLACE is to motivate and support people in target regions of nine different countries (Austria, Bosnia and Herzegovina, Bulgaria, Croatia, Germany, Macedonia, Serbia, Slovenia and Spain) to replace their old heating systems with more environmentally friendly alternatives (European Commission, 2019-2022, www.replace-project.eu).

Upgrade DH – Upgrading the performance of district heating networks in Europe



The Upgrade DH project aims to improve the performance of existing district heating networks in Europe by supporting selected demonstration cases for upgrading, which can be replicated in Europe (European Commission, 2018-2021, www.upgrade-dh.eu).



ETIP RHC – European Technology and Innovation Platform on renewable heating and cooling



The ETIP RHC brings together stakeholders from the biomass, geothermal, solar thermal and heat pump sectors to define a common strategy for increasing the use of renewable energy technologies for heating and cooling. Colleagues of WIP are actively involved in the activities of the ETIP RHC (www.rhc-platform.org)

RES4BUILD – Renewables for Clean Energy Buildings in a Future Power System



RES4BUILD develops renewable energy-based solutions for decarbonising the energy used in buildings. In the heart of the solution lies an innovative multi-source heat pump with a cascading configuration, including a magnetocaloric (bottom cycle) and a vapour compression heat pump (top cycle). The heat pump will be combined with other technologies in tailored made solutions that suit the specific needs of each building. (European Commission, 2019-2023, www.res4build.eu)

BiogasHeat – Development of sustainable heat markets for biogas plants



The project supports the development of a sustainable heat market for existing and new biogas plants. It specifically addresses appropriate solutions, business models, strategies and promising services on sustainable biogas heat use, especially from excess heat of combined heat and power (CHP) plants (European Commission, 2012-2015, www.biogasheat.org).

install+res - Training Courses for Installers of Small-Scale Renewable Energy Systems in Buildings



The objective of the Install+RES project is to establish large scale institutionalized training courses for the qualification of trainers and the certification of installers of small-scale renewable energy systems (biomass, solar, PV and heat pumps) in buildings. (European Commission, 2010-2013, www.resinstaller.eu)

music – Market Uptake Support for Intermediate Bioenergy Carriers



The MUSIC project aims to facilitate market uptake of IBCs by developing feedstock mobilisation strategies, improved logistics and IBC trade centres. The three-year project will develop strategies to mobilise the use of non-food biomass, determine the most cost-effective logistics and facilitate the trade of IBCs. (European Commission, 2019 – 2022, www.music-h2020.eu)

BioVill - Bioenergy Villages – Increasing the Market Uptake of Sustainable Bioenergy



The objective of the BioVill project is to transfer and adapt experiences gained in countries where bioenergy villages already exists (Germany and Austria) to countries with less examples in this sector (Slovenia, Serbia, Croatia, Macedonia and Romania). (European Commission, 2016 – 2019, www.biovill.eu)

SRC+ - Short Rotation Woody Crops Plantations for Local Supply Chains and Heat Use



The SRC+ project contributes to the overall IEE objectives to remove the non-technological barriers, especially through capacity-building, awareness raising and exchanges of experience. It also boosts investment across Member States in a new and best performing technology, namely SRC. (European Commission, 2014-2017, www.srcplus.eu)

SUCELLOG - Triggering the Creation of Biomass Logistic Centres by the Agro-Industry



SUCELLOG aims to widespread the participation of the agrarian sector in the sustainable supply of solid biofuels in Europe. (European Commission, 2014-2017, www.sucellog.eu)

S2BIOM - Delivery of Sustainable Supply of Non-Food Biomass to Support a “Resource-Efficient” Bio-Economy in Europe



The S2Biom project supports the sustainable delivery of non-food biomass feedstock at local, regional and pan European level through developing strategies, and roadmaps that will be informed by a “computerized and easy to use” toolset (and respective databases) with updated harmonised datasets at local, regional, national and pan European level for EU28, Western Balkans, Moldova, Turkey and Ukraine. European Commission, 2013-2016, www.s2biom.eu)

Technical Assistance For Energy Efficiency And Sustainable Transport In Cyprus



Study to evaluate the energy savings potential for the following agricultural subsectors in Cyprus: floriculture and vegetables in greenhouses; animal sector. The study determined the energy needs of these agricultural subsectors and identified the potential for energy conservation and the combination of energy conservation measures with RES applications (GIZ, 2017).

SOLID STANDARDS - Enhancing the Implementation of Quality and Sustainability Standards for Solid Biofuels



The SolidStandards project addresses ongoing and recent developments related to solid biofuel quality and sustainability issues, in particular the development of related standards and certification systems. (European Commission, 2011-2014, www.solidstandards.eu)

BiogasIN - Sustainable Biogas Market Development in Central and Eastern Europe



The BiogasIN project has committed itself to effectively improve the framework conditions for the installation of new biogas plants in 7 CEE countries: Bulgaria, Croatia, Czech Republic, Greece, Latvia, Romania and Slovenia (BiogasIN target countries). (European Commission, 2010-2013, www.biogasin.org)

Bioregions - Regional Networks for the Development of a Sustainable Market for Bioenergy in Europe



BioRegions brings the development of bioenergy regions on a European level building on the work of the most advanced areas. A "bioenergy region" gets at least 1/3 of its heating and electricity needs from regional and sustainable bioenergy sources, with main focus on solid biomass. (European Commission, 2010-2013, www.bioregions.eu)

BioSoLESCO - Biomass and Solar Heat Contracting in Public and Private Buildings



The overall aim of the Bio-Sol-ESCo project is to promote the implementation of biomass and solar ESCO schemes. This is done in two project phases. (European Commission, 2008-2011, www.biosolesco.org)

Big>east - Promoting Biogas Production and Use in Eastern Europe



The general objective of BiG>East was to promote the production and use of biogas as a secure and sustainable energy source in six target countries of Eastern and Southern Europe: Bulgaria, Croatia, Latvia, Romania, Slovenia, and Greece (European Commission, 2007-2010, www.big-east.eu)

EARTH - Training Courses on Heating with Renewable Energies (Solar, Heat Pump, Biomass) for Installers



The objective of the EARTH project is to promote solar water heating (SWH), ground-source heat pumps (GSHP), and biomass as heat and energy sources in Europe. This is achieved by the implementation of training courses on the installation of these energy technologies in participating countries (European Commission, 2005-2006, www.earth-net.info)



GET IN TOUCH WITH US

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