

**Invitation to the virtual Kick-off meeting of DTP project
DanuP-2-Gas
September 30th 2020 10:00 – 13:00 CEST, Zoom-Meeting**

Dear interested parties,

We would like to invite you to the virtual Kick-off meeting of the EU Interreg project **DanuP-2-Gas: Innovative model to drive energy security and diversity in the Danube Region via combination of bioenergy with surplus renewable energy.**

Goal of the project is to foster transnational cooperation and synergies among crucial players of the energy sector, research, public administration and businesses in order to enhance diversity of energy sources, storage and distribution strategies for transnational energy networks in the Danube Region. This improved collaboration will result in increased energy security and efficiency. The 24 project and associated partners will ensure intensified cooperation both in a transnational and vertical approach. The project is outlined on the following page for your information.

The Meeting will address the following topics:

General project overview: The project will be explained in detail addressing background, methodology and general impact.

Project implementation: We will inform you about the individual Work packages, time frame and cooperation among the partners and stakeholders.

Your input: We would appreciate any ideas to improve the project and its outputs with special regard to the Danube Energy Platform and its functionalities.

The Meeting will be conducted via the Zoom online meeting platform. You will receive the respective link following your registration by e-mail (Robert.Hahn@haw-landshut.de) by the 25th of September 2020 stating **“D2G Kick-off”** as subject, your name and institution.

We are looking forward to an informative, successful Kick-off meeting with your participation!



Dr. Tim Bieringer on behalf of all project partners

DanuP-2-Gas: Innovative model to drive energy security and diversity in the Danube Region via combination of bioenergy with surplus renewable energy

Duration 07/2020 – 12/2022

Background

Strong dependence on fossil energy carriers mainly gas from Russia, is a major challenge in the Danube Region. Particularly Germany, Croatia, Austria, Hungary and Slovenia depend on import of hydrocarbons to an extent of 45-70%. In addition, the general share of fossil fuel energy consumption in the region is above 65%. The low share of renewable energy in gross energy consumption (average 20%) is alarming in most countries. Low energy and transport efficiency as well as large unused biomass potential are further challenges for the energy market. Biomass is key, as it is the main source of renewables in every country but Croatia, totaling at almost 90% in Hungary and averaging close to 65% overall. By 2020 it is expected that four countries (Austria, Czech Republic, Germany and Romania) will cover almost 85% of the regions bioenergy production underlining the marginal contribution of the other countries. This emphasizes the pressing need for effective biomass integration into the energy market. Also, renewable energy is mainly associated with electrical power showing the need for a link to heat and especially transportation. Prime candidate for this interlink is renewable gas. Thus, effective regional planning allowing concerted action towards critical infrastructure improvements including gas storages is essential. DanuP-2-Gas supports a transnational strategy for exploitation of unused biomass and coupling of electric power and gas sector to reduce strain on the power grid by storage of renewable energy in the gas grid. It will build a platform for the exchange of know-how helping energy actors to strengthen regional value chains focused on biomass integration leading the way to diversified renewable energy carriers. This cooperation is essential to improve energy security and efficiency in the Region.

Goal

DanuP-2-Gas is aiming to support diversification of energy sources as well as to strengthen generation and storage strategies for renewables in the Danube region by advancing the electric power and gas sector coupling in regional energy planning. Thereby reducing the strong dependence on fossil energy inputs for the region. The consortium seeks to elaborate a transnational strategy that includes exploitation of unused organic residue, river transportation of energy intermediates and sector coupling. This will increase energy security and efficiency as well as reduce strain on the electrical power grid by storage of surplus renewable energy in the existing gas grid. The strategy will build upon available data and strategies for biowaste utilization as well as existing experience with the energy revolution. Our project will advance:

1. **diversification of renewables** – by integration of unused organic residues into energy production
2. **energy efficiency** - through the utilization of unused surplus electricity (e.g. wind and solar energy)
3. **integration of different energy grids** - by transnational linkage of electricity and gas grid
4. **storage** - by improving the framework for sector coupling through a transnational strategy and national roadmaps

5. **knowledge transfer and transnational cooperation** - by connecting key players in energy sector via the Danube Energy Platform
6. **sustainability** - by promoting the strategy throughout the Danube region at conferences, fairs and participation in the DTP Thematic Pole 8
7. **generation of renewable energy** - through workshops on future projects capitalizing on the provided outputs and focusing on realizing pilot hubs along the Danube river

DanuP-2-Gas will thus support the development in the Danube region towards sustainable renewable energy and job creation in rural areas via local bioenergy production and storage, securing independent energy supply for the future.

Consortium

#	Project Partner Name	Country
1	Technology Centre Energy	DE
2	Energy Agency of Savinjska, Šaleška and Koroška Region (KSSENA)	SI
3	University of Zagreb, Faculty of Electrical Engineering and Computing (UNIZGFER)	HR
4	Tolna County Development Agency (TCDA)	HU
5	Energie Institut an der Johannes Kepler Universität Linz (EI-JKU)	AT
6	Black Sea Research Centre (BSERC)	BG
7	URBASOFIA	RO
8	Technische Hochschule Deggendorf (THD)	DE
9	National Recycling Agency Slovakia (NARA-SK)	SL
10	Institute of Technology and Business in České Budějovice (VSTE)	CZ
11	MAHART Freeport Co. Ltd.	HU
12	International Centre for Sustainable Development of Energy, Water and Environment Systems (SDEWES)	HR
13	Energy Institute Hrvoje Pozar (EIHP)	HR
14	Regional Agency for Socio Economic Development – Banat, Ltd. (RDA-Banat)	RS
#	Associated Partner Name	Country
15	Hungarian Biogas Association (HBA)	HU
16	Municipality of Celje (MOC)	SI
17	Ministry of Infrastructure of the Republic of Slovenia (MzI RS)	SI
18	Ministry of the Environment and Spatial Planning (MOP RS)	SI
19	JP Elektroprivreda HZ HB d.d. Mostar (EPHZHB)	BA
20	Odessa National Polytechnic University (ONPU)	UA
21	Ministry of Agriculture of the Czech Republic	CZ
22	Government of Lower Bavaria	DE
23	Ministry of Foreign Affairs and Trade of Hungary (representing also EUSDR PA2)	HU
24	Bavarian Ministry of Economic Affairs, Regional Development and Energy	DE

Budget in Euro

Total Project budget: 2,553,726.85

ERDF Contribution: 2,109,336.02

IPA Contribution: 61,331.75

ENI Contribution: 0