



# Energy Agency of Savinjska, Šaleška and Koroška Region

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9 June 2021 | SHREC Interregional Workshop | Zoom

DanuP-2-Gas project

DanuP-2-Gas | KSENA | Ines Ahmić

# WHO WE ARE?

- **Established in 2006** within the framework of Intelligent Energy Europe

by **4 founders**:

- Municipality of Velenje
- Municipality of Celje
- Municipality of Slovenj Gradec
- Public utilities company Velenje

**13 EMPLOYEES**



Specialized in the field of energy, with the emphasis on **RES** and **RUE**.

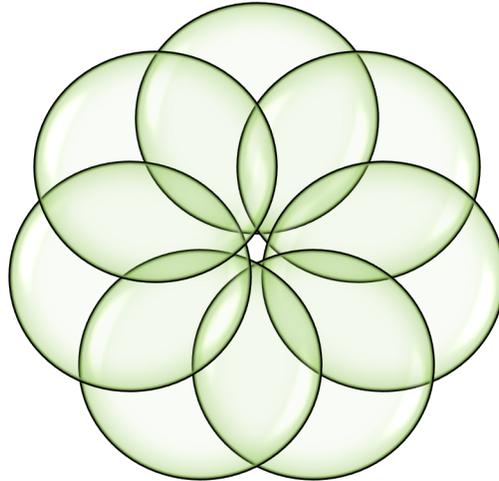
# OUR MISSION

**SUPPORT** and help develop national and European energy policy

**PROMOTE** sustainable development and raise awareness

**FIND** ways to realizing ambitious projects

**ACCELERATE** the implementation and uptake of measures in the fields of sustainable development (RES, EE)



**REDUCE** energy consumption and GHG emissions in local communities

**CREATE** a better, cleaner living environment for residents

**PROVIDE** valuable services to local residents

# WORKING FIELDS

- STRATEGIC ENERGETIC PLANNING
- ENERGY MANAGEMENT FOR LOCAL COMMUNITITIES
  - PRIVATE SECTOR SUPPORTING ACTIVITIES
- NATIONAL AND INTERNATIONAL COOPERATION WITH PARTNERS' INSTITUTIONS
  - PROJECT WORK
- DISSEMINATION AND EDUCATION

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# DanuP-2-Gas

**Innovative model to drive energy security and  
diversity in the Danube Region via combination of bioenergy  
with surplus renewable energy**



9 June 2021 | SHREC Interregional Workshop | Zoom



DanuP-2-Gas project



DanuP-2-Gas | KSSENA, URBASOFIA | Ines Ahmić, Adelin Lazar



# ABOUT DanuP-2-Gas

**PROGRAMME:** DANUBE TRANSNATIONAL PROGRAMME

**PRIORITY:** BETTER CONNECTED AND ENERGY RESPONSIBLE DANUBE REGION

**SPECIFIC OBJECTIVE:** IMPROVE ENERGY SECURITY AND ENERGY EFFICIENCY

**BUDGET:** 2,553,726.85 €

**DURATION:** 30 MONTHS





## MAIN OBJECTIVE

**INNOVATIVE MODEL TO DRIVE ENERGY SECURITY AND DIVERSITY IN THE DANUBE REGION VIA COMBINATION OF BIOENERGY WITH SURPLUS RENEWABLE ENERGY**

**SUPPORT  
DIVERSIFICATION  
OF ENERGY  
SOURCES**

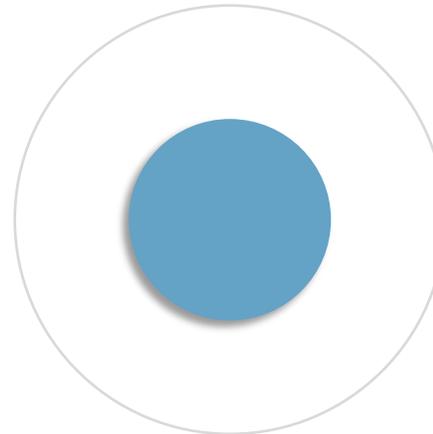
**STRENGTHEN  
GENERATION  
AND STORAGE  
STRATEGIES FOR  
RENEWABLES**

**ADVANCING THE  
ELECTRIC POWER  
AND GAS SECTOR  
COUPLING IN  
REGIONAL ENERGY  
PLANNING**



# PROJECT SUMMARY

The Danube Region holds huge potential for sustainable generation and storage of renewable energy. However, to date this region is highly dependent on energy imports, while energy efficiency, diversity and renewables share are low. In line with the EU climate targets for 2030 and the EUSDR PA2 goals DanuP-2-Gas will advance transnational energy planning by promoting generation and storage strategies for renewables in the Danube Region by coupling the electric power and gas sector.



DanuP-2-Gas will bring together

**ENERGY AGENCIES**

**BUSINESS ACTORS**

**PUBLIC AUTHORITIES**

**RESEARCH INSTITUTIONS**

**INFRASTRUCTURE SERVICE PROVIDERS**

LP	Technology Centre Energy - University of Applied Sciences Landshut	LP - TZE	DE, DEUTSCHLAND
PP	Energy Agency of Savinjska, Šaleška and Koroška Region	ERDF PP1 - KSENA	SI, SLOVENIJA
PP	Tolna County Development Agency Nonprofit Public Ltd.	ERDF PP2 - TCDA	HU, MAGYARORSZÁG
PP	Energy Institute at the Johannes Kepler University Linz	ERDF PP3 - EI-JKU	AT, ÖSTERREICH
PP	Black Sea Energy Research Centre	ERDF PP4 - BSERC	BG, БЪЛГАРИЯ (BULGARIA)
PP	URBASOFIA SRL	ERDF PP5 - URBASOFIA	RO, ROMÂNIA
PP	Deggendorf Institute of Technology	ERDF PP6 - THD	DE, DEUTSCHLAND
PP	National Recycling Agency of Slovakia	ERDF PP7 - NARA-SK	SK, SLOVENSKO
PP	Institute of Technology and Business in České Budějovice	ERDF PP8 - VSTE	CZ, ČESKÁ REPUBLIKA
PP	MAHART-Freeport Co. Ltd	ERDF PP9 - MAHART	HU, MAGYARORSZÁG
PP	International Centre for Sustainable Development of Energy, Water and Environment Systems	ERDF PP10 - SDEWES CENTRE	HR, HRVATSKA
PP	Energy Institute Hrvoje Požar	ERDF PP11 - EIHP	HR, HRVATSKA
PP	University of Zagreb Faculty of Electrical Engineering and Computing	ERDF PP12 - UNIZGFER	HR, HRVATSKA
PP	Regional Agency for Socio – Economic Development – Banat Ltd	IPA PP1 - RDA Banat	RS, SERBIA

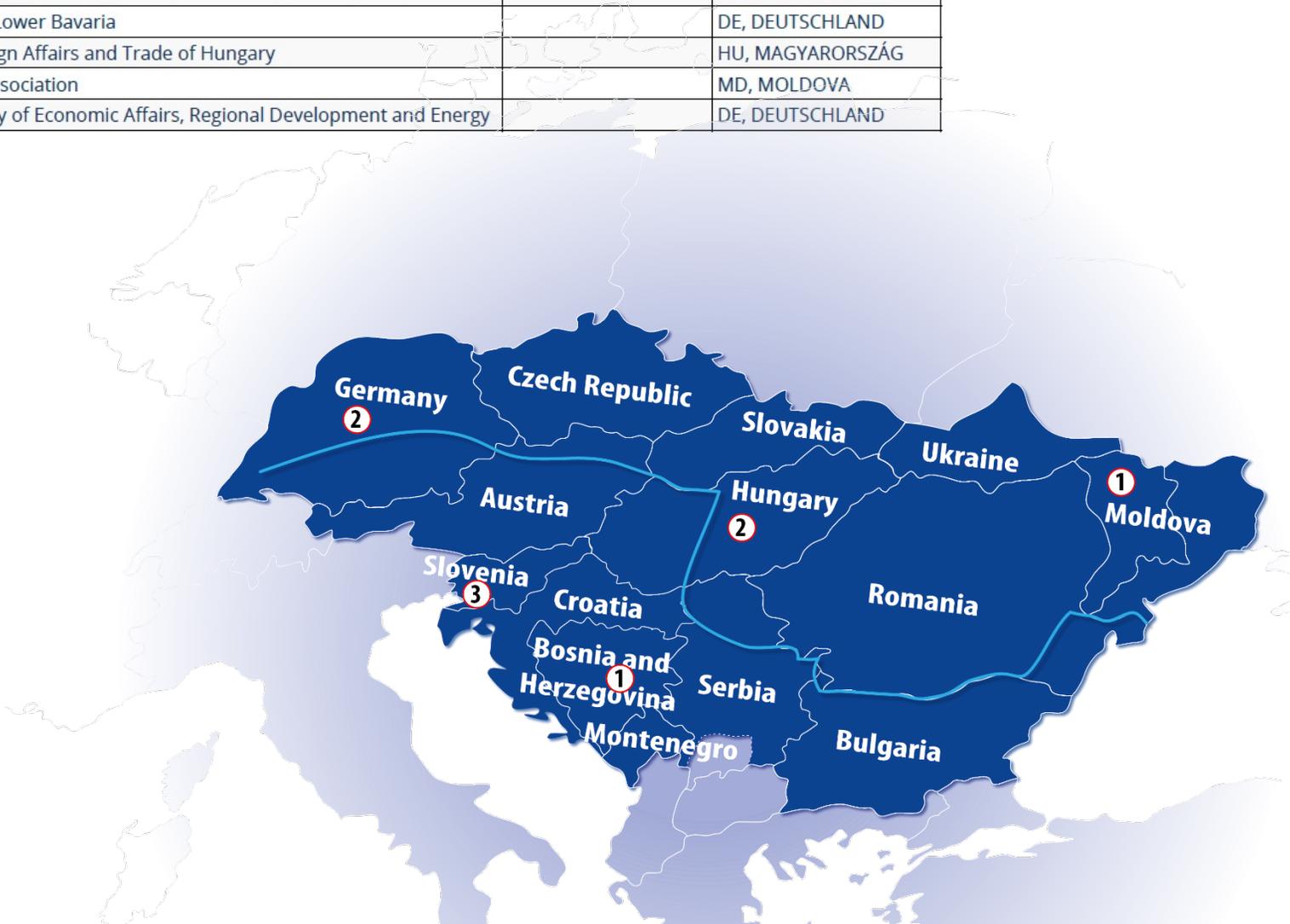


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# PROJECT PARTNERS

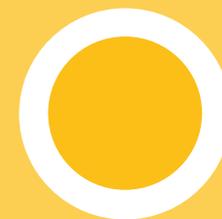


AP	Ministry of Infrastructure, Directorate for Energy		SI, SLOVENIJA
AP	Ministry of the Environment and Spatial Planning		SI, SLOVENIJA
AP	Municipality of Celje		SI, SLOVENIJA
AP	The Ministry of Agriculture of the Czech Republic		CZ, ČESKÁ REPUBLIKA
AP	Hungarian Biogas Association		HU, MAGYARORSZÁG
AP	JP Elektroprivreda Hrvatske Zajednice Herceg Bosna d.d. Mostar		BA, BOSNIA AND HERZEGOVINA
AP	Government of Lower Bavaria		DE, DEUTSCHLAND
AP	Ministry of Foreign Affairs and Trade of Hungary		HU, MAGYARORSZÁG
AP	Bioenergetica Association		MD, MOLDOVA
AP	Bavarian Ministry of Economic Affairs, Regional Development and Energy		DE, DEUTSCHLAND



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# PROJECT ASPs





# PROJECT STRUCTURE

**M**

## MANAGEMENT

Technologiezentrum Energie der  
Hochschule Landshut

**T1**

## DANUBE ENERGY PLATFORM AND TRANSNATIONAL RENEWABLE ENERGY ATLAS

Tolna County Development Agency Nonprofit Public Ltd.

**T2**

## TRANSNATIONAL INFRASTRUCTURE AND BIOMASS ASSESSMENT & PRE-FEASIBILITY STUDY

Black Sea Energy Research Centre

**T3**

## POLICY AND LEGAL FRAMEWORK

Energy Institute at the Johannes Kepler  
University Linz

**T4**

## FUTURE PROJECTS AND FUNDING

University of Zagreb Faculty of Electrical  
Engineering and Computing

**C**

## COMMUNICATION

Energy Agency of Savinjska, Šaleška and Koroška  
Region

# T1

## DANUBE ENERGY PLATFORM AND TRANSNATIONAL RENEWABLE ENERGY ATLAS

Coordinated by the Tolna County Development Agency, the main goal of this work package is to develop an interdisciplinary platform to serve stakeholders interested in sectoral coupling and energy storage.

The platform will serve as information source and link for public and private stakeholders to ensure efficient information flow, knowledge transfer and synergistic cooperation towards effective energy storage and planning.

From these outputs presented above, it will result in a new - Renewable Energy Atlas, which will contain both quantitative and qualitative elements regarding biodegradables and sewage sludge.



T1

# T2

## TRANSNATIONAL INFRASTRUCTURE AND BIOMASS ASSESSMENT & PRE-FEASIBILITY STUDY

The T2 work package, for which the Black Sea Energy Research Centre is responsible, aims to collect information on biomass and related infrastructure, in order to relate it to electricity and gas hubs.

These data collections will be made by each country in the Danube region, which will make another study on the potential of biomass, so we will have a comprehensive look at the situation of biomass and specific infrastructure in each country in the region.

At this time the partners have agreed on the final form of the databases and are working on collecting the information.



T2

# T3

## POLICY AND LEGAL FRAMEWORK

The objective of this WP is to assess the legal and regulatory status concerning the construction and operation of hubs for coupling the electricity and gas sector and to develop and secure uptake of a transnational strategy that allows effective integration of these hubs in future energy planning throughout the Danube Region.

Within the WP coordinated by the Energy Institute at the Johannes Kepler University Linz, the partners have already developed a deliverable on structure for framework assessment, and are currently working on Reports on the legal and policy situation for sector coupling by participating country including administrative barriers.



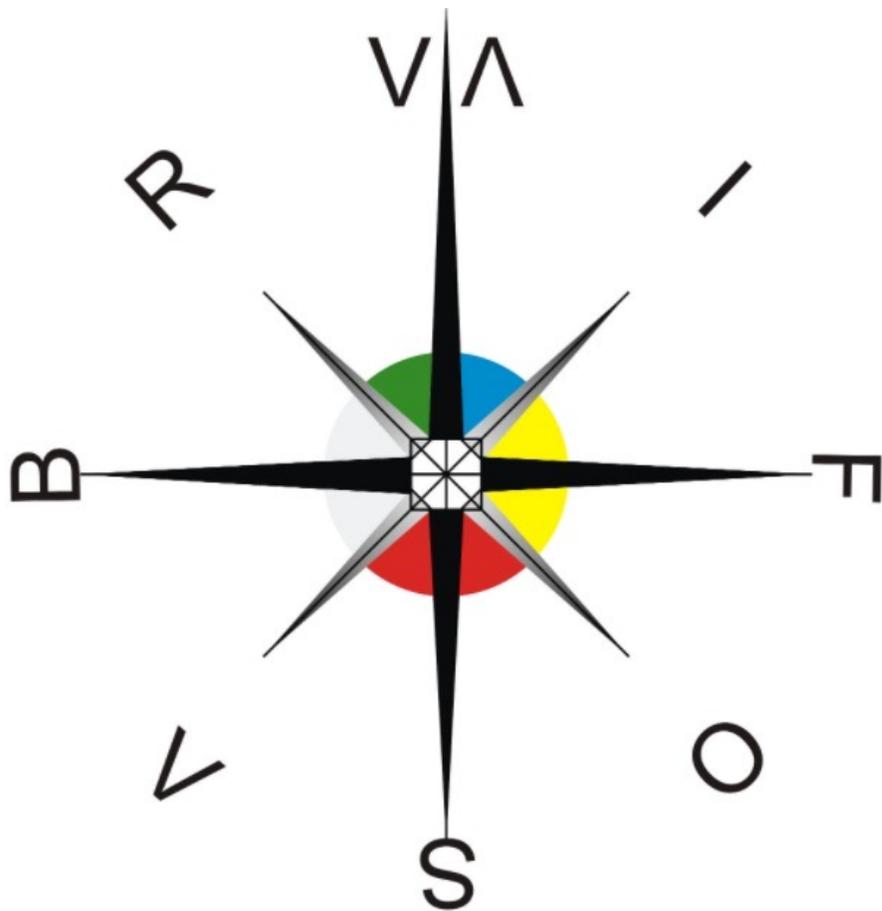
# T4

## FUTURE PROJECTS AND FUNDING

Main part of this WP is to harness the project outputs to elaborate future business models and project sketches including funding opportunities that go beyond the projects duration and impact public and private energy planners. To initiate future synergistic cooperation among the stakeholders gathered through the platform and beyond, specific projects and possible funding opportunities will be addressed by national workshops.

Currently, the partners are working on a deliverable called Catalogue Subsidies, a document that will present potential national and European subsidies that can support project ideas related to the DanuP-2-Gas concept of sector coupling in the participating countries and beyond.





when knowledge gives directions

Urbasofia is a town and regional planning company created in 2011 which provides European-wide expertise for urban development, policy design and territorial cohesion. We conduct high-level academic research, applied studies and the implementation of concrete solutions aiming at a more integrated, participatory, realistic and smart-oriented approach to pressing urban problems, both socio-economic, as well as environmental.

Leveraging on European structural funding for urban innovation, we support urban authorities to meet actual urban problems with the right tools and fitting flagship projects and piloting actions.

# WHAT WE DO

## STRATEGY

We are offering cities and regions a complete service for developing Integrated Urban / Metropolitan / County Strategies, Local Action Plans, thematic plans (Sustainable Urban Mobility Plans, Sustainable Energy Action Plans).

## INNOVATION

We have a vast experience in working as town and regional planning partners in European Projects focused on innovative actions which aim to make living more sustainable, smart and inclusive.

## SMART CITIES

We are founders of the SCITA CIVITA Romanian Smart Cities association and we can offer the same expertise already provided to several research and innovation projects for developing Smart Cities solutions for energy, location based services, indoor tracking and mobility.

## STUDY VISITS

We offer study visits as 360° experiences of learning, practicing and discovering the culture and architecture of cities. We offer the full spectrum of services: urban walks, real-life practice, design workshops and events, and we can combine any of our products and services into a package that is tailored to your needs.

## PROPOSALS AND DESIGN

Urbasofia is also a company which delivers proposals and design concepts (policies, projects). We have a wide experience in ideation, development and finalisation of project proposals, within different contexts and EU Programmes, Bilateral Agreements, National and International Grants.



## JOIN US!

SUBSCRIBE  
TO  
PROJECT  
NEWSLETTER

<http://www.interreg-danube.eu/approved-projects/danup-2-gas/campaigns>

WWW

[interreg-danube.eu/danup-2-gas](http://interreg-danube.eu/danup-2-gas)



[DanuP2GasProject](#)



[DANUP2GAS](#)

# THANK YOU



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