

ENERGY BARGE

Newsletter #13



Source: Port of Straubing

Welcome to the 13th newsletter of the ENERGY BARGE project!

In this issue, an overview on a set of regional case studies assessing the cases potential for integrated biomass and bioenergy production are summarised. Special attention was paid to the incorporation of Danube logistics and port locations.

Success factors for functioning as a good practice example in the field of biomass utilisation comprise a broad and continuous political support and funding on regional level. A strong actor base from the research and industrial sectors, various sources of biomass feedstock supply, including versatile logistics options, enable the integration of biomass supply and bioenergy carrier production as well as a stringent development strategy.

We hope you enjoy reading!
The team of ENERGY BARGE



The partners

There are 15 partners
involved in the project
from 7 countries:

7 partners from the biomass/bioenergy sector

6 partners from the logistics sector
including 5 ports

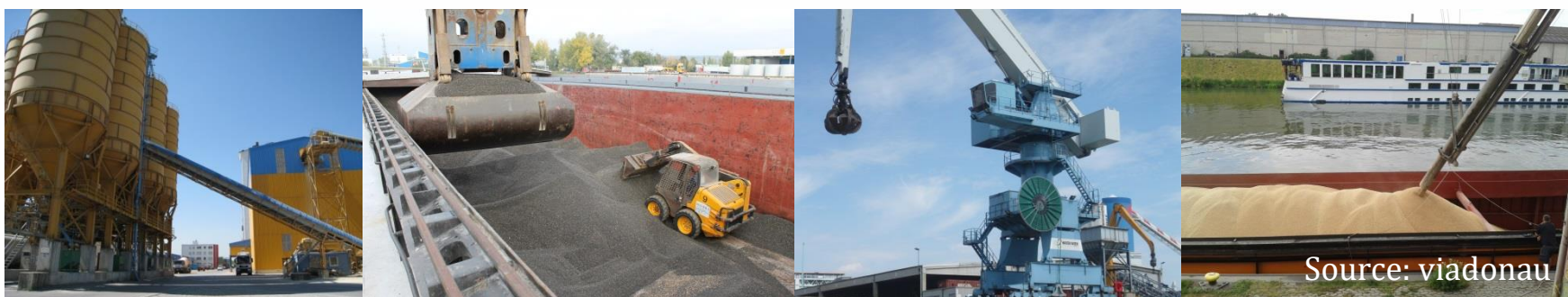
3 partners from the field of research
that provide either special knowledge
needed for the implementation of the
project (spatial modelling) or who have
special knowledge and networks in
their regions (biofuels and biomass).



Regional case studies – Potentials for biomass and bioenergy production

The ENERGY BARGE project partners were requested to identify companies in each of the the partner countries in which the production of biomass and/or utilisation in the bioenergy sector plays a dominant role in comparison to other cases. The focus was on describing the status quo of these cases and on analysing the success factors (enablers & inhibitors) influencing this status quo. In the further course of the project, these studies provide a basis to identify good practice examples on how biomass and bioenergy production and utilization can be regionally and locally integrated, how supply chains can be improved or established and how inland ports can contribute to this integration via their logistics services as biomass and bioenergy hubs.

The geographical coverage aimed for a set of case studies, which comprises the Danube-adjacent project partner countries: Austria, Croatia, Hungary, Germany, Slovakia and Romania. For each of these countries, one case study location was identified. The Hungarian project partners conducted two case studies. All selected cases, except for the Romanian case, are located in direct or close vicinity (<100 km) to the Danube and/or a Danube port.



Overview of the selected cases

Austria: AGRANA Stärke GmbH

AGRANA is an internationally-oriented Austrian industrial company, which adds value to agricultural commodities to create industrial products for downstream industries. The site of the industrial estate in Pischelsdorf was selected in view of its location in the heart of the raw material production region, its excellent links to the Danube, roads and railway, as well as the ideal range of energy supply possibilities.

Croatia: Spačva d.d.

The Croatin case study analyses the activities of Spačva d.d., one of the largest biomass processors in Croatia. Spačva d.d. has a long tradition of processing wood, both having a successful flooring and doors production and a drive to become the biggest pellet/briquette producer in the country within the next few years. The company utilises biomass residues from the processes to fire two large furnaces producing heat for the company needs on site.

Germany: Clariant and ADM

This case study covers the region of Straubing in Lower Bavaria, which is branded as “Region of Renewable Raw Materials”. Here, the concrete case is the regional cluster “Renewable Raw Materials” as managed by the BioCampus Straubing GmbH. The two biofuel production sites of the companies Clariant (demoplant for lignocellulosic bioethanol) and ADM (rapeseed crushing mill for biodiesel production) as exemplifying cases for the production of bioenergy in the region. Both companies use biomass feedstock for the production of transport biofuels and are have production units located in the port of Straubing.

Hungary: Bioenergy-Duna Ltd.

This case study examines the company Bioenergy-Duna Ltd., which operates both biomass and natural gas-based heat production units. Bioenergy-Duna Ltd. is a member of MATASZSZ. Its main task is to ensure the quality of district heating and hot water services in the city of Mohács. Currently, the whole power station, including the biomass block, provides services for 2,015 apartments and 42 other institutional consumers (kindergartens, schools, shops).

Hungary: Hungrana Starch and Isosugar Manufacturing and Trading Co. Ltd.

The case study analyses the present production activities and future opportunities of the Hungrana Starch and Isosugar Manufacturing and Trading Co. Ltd, which is one of the most significant corn processing companies in Europe. Hungrana processes corn, more than 1,000,000 t on a yearly basis and provides 5.5-6% of the Hungarian food exports. It represents about 10-15% of the Hungarian corn production annually. Hungrana utilizes approx. 70,000 t of residue biomass, e.g. sunflower husks, annually for its biomass power plant, generating steam and thermal energy that covers two thirds of the required energy of the company.

Romania: Forest and Biomass Romania SRL

Forest and Biomass Romania SRL is a leading Romanian company in the field of management of agricultural and forestry terrains, with a special focus on the use of biomass for energy production. The company manages 4,200 ha of agricultural land and 5,000 ha forest area. 270 ha are cultivated with a poplar plantation.

Slovakia: INTECH Slovakia – Národná Energetická

The case study represents a group of companies, active in heating production as well as management of biomass feedstock supply and operations. The majority of the installed heat production capacity is based on biomass feedstock, including wood chips, pellets, straw and hay. The company is operating heat production units at eight different sites, located nationwide across Slovakia, mainly in Central and South Slovakia. The locations are related closely to local biomass feedstock availability.

The complete report will be uploaded to the [ENERGY BARGE website](#) shortly.

Get to know the ENERGY BARGE partners!



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The MAHART-Freeport Co. Ltd. was founded by the State Privatization and Asset Management Co. Ltd. in 2005. The Freeport is one of the oldest freeports in Hungary, first opened in 1928.

In order to maintain the national public port status, MAHART-Freeport Co. Ltd. as the owner and asset manager of the port continuously plans and implements the necessary investments for the operation of the port and to activate and keep track of developments in its books after the completion of the investments.

In the harbor, infrastructure managing companies have been granted the right in open tenders, to operate the infrastructure from MAHART-Freeport Co. Ltd., provided that the use of the port infrastructure is subject to equal conditions for everyone.

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Building a Green Energy & Logistics Belt

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