

ENERGY BARGE

Newsletter #16



Source: SPaP

In the course of the ENERGY BARGE project, the project partners from the logistics sector prepared pre-feasibility studies to define development plans and investment needs required to strengthen ports as logistics hubs for the bioenergy sector.

In this issue of the ENERGY BARGE newsletter, the study conducted by the Slovak Shipping and Ports JSC is presented. The study evaluates a transshipment and storage facility in the port of Bratislava, suitable for the handling of wood pellets and chips in bulk.

Further, we would like to take this opportunity to kindly invite you to register for the next ENERGY BARGE business-to-business meeting on 22 November in Bratislava. For further information, please follow this [link](#).

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).



Pre-feasibility study Slovak Shipping and Ports JSC

Development plan and investment needs to strengthen the port as a logistic hub for the bioenergy sector

Slovak Shipping and Ports JSC (SPaP) is a leading company in the fields of transport, transshipment and warehousing of goods, forwarding services, repair works and building of new vessels in Slovakia. The company offers logistics services, being connected with transportation of all kinds of goods on the Danube as well as on the whole network of West European waterways between the North Sea and the Black Sea. SPaP is the operator of the ports in Bratislava and Komárno.

In Slovakia, the demand for renewable energy sources and alternative fuels for heating plants is growing. The biomass potential in Slovakia amounts to more than 60% of the total potential of renewable energy sources. In recent years, the demand for wooden biomass has continued to grow, particularly in the form of wood chips and firewood. The main reasons for this trend are considered to be an increase of fossil fuel prices, tightening emission limits for coal and favourable purchase prices for electricity produced from renewable energy sources.

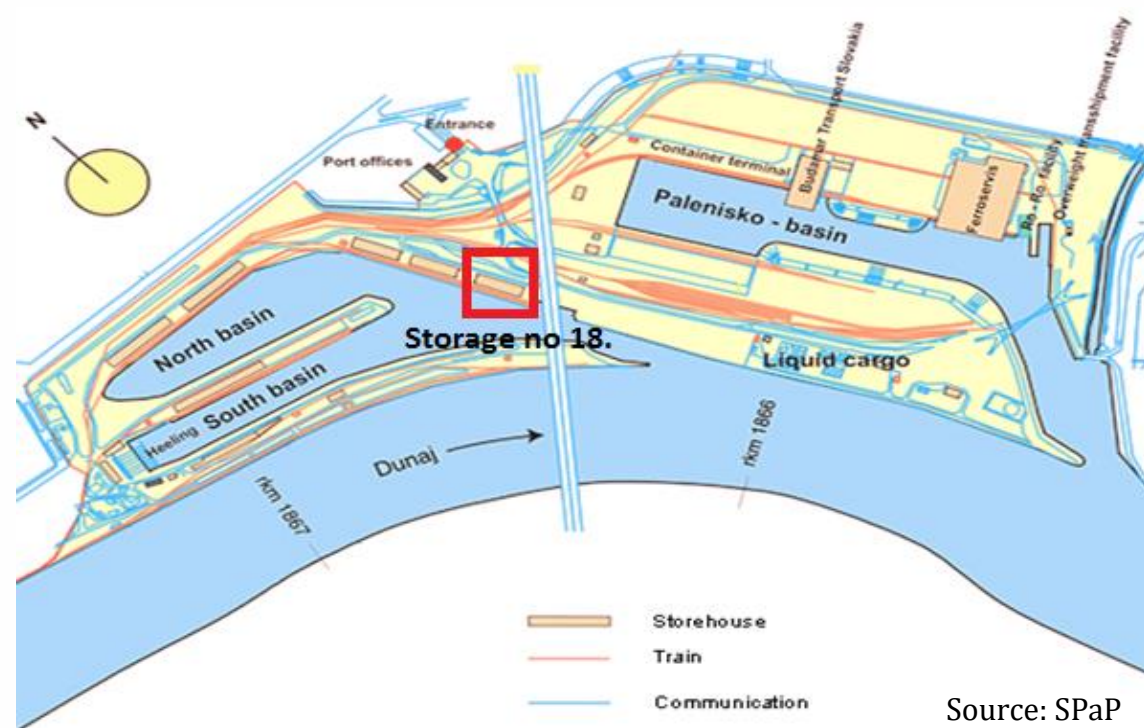


Handling of agricultural products in the port of Komárno, discharging trucks and trains and loading of a barge with covered cargo area.

Currently, SPaP is not handling or processing biomass for energetic purposes, even though the company has certain technical capacities to handle biomass products in the ports. However, SPaP is not fully equipped to provide comprehensive services. The subject of SPaP's pre-feasibility study is a transshipment and storage facility in the port of Bratislava, suitable for the transshipment of wood pellets and wood chips in bulk.

SPaP calculated that the new transshipment facility will be able to handle approx. 20,000 metric tons of wood chips and pellets per year in the port of Bratislava. The current demand in the area could not be estimated entirely as not all companies in proximity to the port provided information regarding the handling volumes.

The building for the envisaged storage facility already exists in the port of Bratislava. The storage area has been previously offered and taken to long term lease, but in recent year it has been unused. After taking in consideration its accessibility by river barges, rail cars/wagons and road transportation/trucks and trailers and its position in the port, it has been taken into account for the elaboration of SPaP's pre-feasibility study. Being located in the port of Bratislava it has a connection to the road (D1 motorway) and the railway network. Thus, it is possible to carry out the transshipment of goods between the different modes of transport (road - water - railway) efficiently.



Location of the storage facility (Storage no.18) in the port of Bratislava (Source: own editing).

The main advantage of the building is that it has an opening-closing mechanism in the roof, which enables an efficient way of discharging barges. A system of conveyor belts, scales, drains, hoppers and other equipment, in combination with the building itself and a port crane would serve for transshipment and storage of wood chips. The total investment costs for the delivery and installation of new equipment in the storage building would amount to approx. 220,000 €.

By launching the project, SPaP would contribute to a green energy and logistic belt on the Danube river by transforming the port of Bratislava into a biomass friendly port. The modernisation of the port is expected to increase the attractiveness for new companies to settle their businesses in the area and increase the share of transhipped biomass products. By shifting cargo from road to water transport a contribution could be made to cutting greenhouse gas emissions and help to fulfil the strategic goals of the Europe 2020 strategy.

To download the full pre-feasibility study, please follow the [link](#).

Danube logistics meet bioeconomy

On 22 November 2018, the second ENERGY BARGE business-to-business meeting will be held by the project partner Slovak Shipping and Ports JSC in Bratislava.

The aim of the business-to-business meeting is to provide a platform for know-how exchange and for establishing new business contacts. The event will offer a favourable framework for strengthening the Danube as logistics axis for biobased cargo.

Participation in the business-to-business meeting is free of charge, but registration is obligatory. Please register by **9 November 2018** via e-mail: veselkor@spap.sk. For further information, please see the [agenda](#). The event will take place at the Apollo Hotel, Dulo vo nám. 1, 821 08 Bratislava.

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Building a Green Energy & Logistics Belt

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