

SRC for increasing the energy self-sufficiency of urban agglomerations and rural areas in the Zlín Region, Czech Republic



- 585.000 inhabitants, 3.963 km²
- Located in the south-eastern part of the Czech Republic
- Soil fertility of most parts of the region is rather low (marginal land), except in valleys and river basins, 49% of the land is agriculturally used
- SRC is currently not widely spread, mainly due to non-technical barriers



Location of the Zlín Region within the CR



- The biomass market in general is being developed within the area of the Zlín region, infrastructure of bioenergy is not built as a separate industry yet. However, individual businesses arise and deal with sub-segment of the industry.
- The aim of the SRC+ project was to link these sections, complete the missing parts and create a complete chain.
- There are for example 28 CHP utilities and 6 of them are using woodchips for firing or co-firing. The demand for woodchips in the region is increasing and biomass users are getting the woodchips both from the Zlín Region itself or from imports to the region.



- Potential areas for development of SRC in the Zlín Region identified by the EAZK

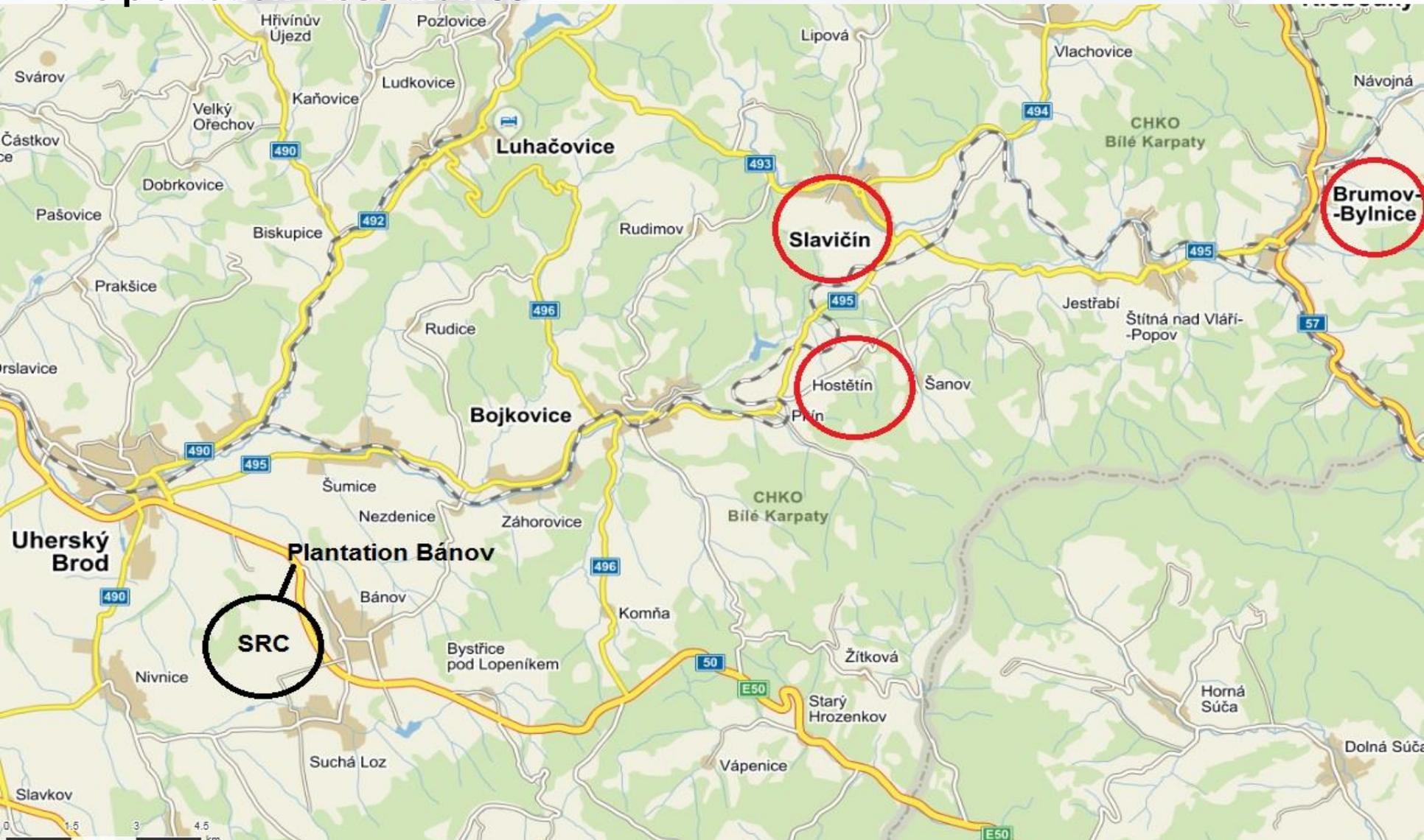
Potenciální oblasti pro rozvoj rychle rostoucích dřevin



- In the area there is the private investor considering a long-term strategy to grow SRC, the potential area to 500 ha of farmland.
- Planting 20 ha plantations started around Bánov in 2012 and continued with further 20 ha in 2014 in the altitude of 350 m
- The SRC woodchips were planned to be exported outside the Zlín Region to the large scale boilers belonging to big companies
- In 2013 a cooperation within SRC+ project was established with the aim to set a supply chain within the Zlín Region



- There are 3 district heating systems on biomass in considerable proximity of the plantation - less than 30 km.



- Based upon a long time cooperation between EAZK and DHS of the Zlín Region the 3 close DHS were contacted and negotiated through SRC+ project.

DHS Brumov-Bylnice, 3 MW installed power in biomass



DHS Slavičín, 2,6 MW installed power in biomass



DHS Hostětín, 0,73 MW installed power in biomass



SRC contribution to self sufficiency

- As a result of the cooperation within SRC+ project the harvesting in Bánov plantation was carried out in February 2017 with the presence of representatives of all 3 DHS as well as other stakeholders.



SRC contribution to self sufficiency

- Altogether 17 ha of SRC were harvested in 4 days. All the 3 DHS in Hostětín, Slavičín and Brumov-Bylnice will take 23 tons of SRC each to use it in their boiler rooms for heating.
- The aim of this action was to establish supply chain within the Zlín Region and make the networking event in person to create both formal and informal links between concerned people.
- All the DHSs are within 30 km from the plantation and there is a prospect for next year harvesting of resting 23 ha of SRC to be used whole only within the Zlín Region.



Benefits of the action

- Decrease of biomass import from the other regions of the Czech Republic
- Local biomass is used locally instead of being exported to 100+ km distant large scale boiler rooms
- Local supply chain established
- The prospect of up to 50 more hectares of SRC to be planted in near future in nearby areas around Uherský Brod town



Thank you for your attention

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