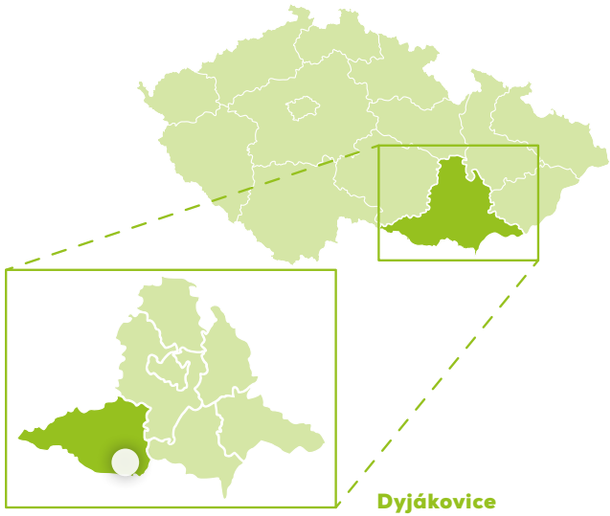
Challenge



DESCRIPTION

Hot continental climate; 60% of the soils are used as agricultural land, 83% of which is arable. The soils are fertile, in need of frequent irrigation to produce agricultural products. There is a significant presence of cropland and livestock farming.

CHARACTERISTICS

The large presence of the food and drink industries and associated waste products, such as those from the dairy industry, offers opportunities to recover nutrients and convert them into carbon-rich products to add back to the soil.

CHALLENGES

The challenge is to considerably reduce high nutrient losses from food production and food waste and increase recycling to farms.

SELECTED PRACTICES

- Application of carbon-rich compounds to winter wheat fields to increase soil organic carbon
- Recovery of carbon-rich compounds for re-use on farms through the application of electrospun nanofibrous membranes for whey separation

Participating partners

Case study leader :

Asio tech
Wastewater and water treatment

Partners :

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Circular solutions for carbon and nutrient management

Case study

South Moravia, Czechia

