



POWER4BIO
REGIONS FOR
BIOECONOMY



Cross-visit Nitra | MS Teams, September, 23, 2020

Contribution from Nitra Region: Department of Strategic Development/Nitra Sef-governing Region,
POWER4BIO project team/Slovak University of Agriculture in Nitra

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Bioeconomy issues, barriers and challenges in regional context: **NITRA region**



- area 6,343 km²
- 678,692 inhabitants
- the most rural region in SK
- national centre of agricultural education and research
- low BE maturity, no BE strategy (national/regional)
- rapidly expanding automotive, electrical and mechanical engineering industries
- the plastics and food industry, trade, transport, logistics, services and agriculture

Bioeconomy issues, barriers and challenges in regional context: **BE issues**



- working on proposal of regional BE strategy
- cross-sectoral approach
- in line with regional RIS3 2021-2027
- priorities: automotive industry (**plastics**, modern technologies), **bioeconomy** (agriculture, food production)
- BE Cluster + P4B RBH + national BIOEAST Hub
- implementation of principles of smart regional development policies resulting in new PESD until 2030 (*Smarter and Better Nitra region*)

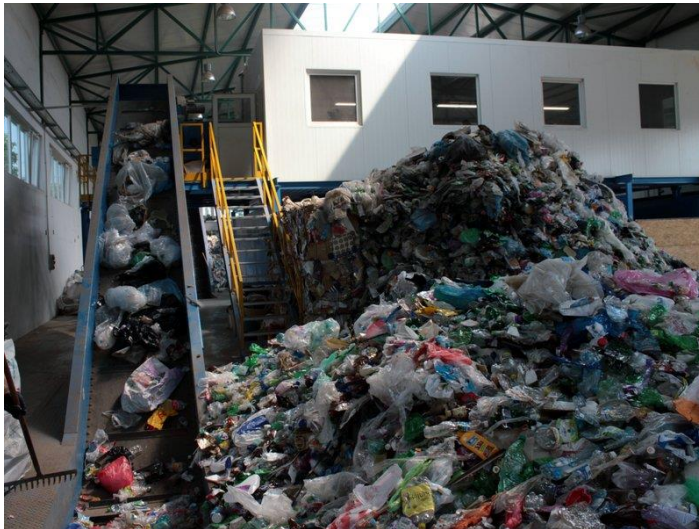
Bioeconomy issues, barriers and challenges in regional context: BE issues/existing tools and BP



Action plan PESD 2016-2022

- support of implementation of CE principles: financial support, dissemination, programs, implementation of CLLD Strategy
- support for bio-waste treatment
- support of projects on municipal waste treatment – LEADER initiative
- Association of municipalities (since 2005) - 57 municipalities in 2018

Bioeconomy issues, barriers and challenges in regional context: BE issues/existing tools and BP



Bioeconomy issues, barriers and challenges in regional context: BE issues/existing tools



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The National Platform AgroBioFood Nitra

- established in 2016 on the basis of the MoC between the SUA in Nitra, NAFC and BEC
- it links education, research and business
- is **accepted by the MESRS of the SR** as an official representative of the SR in relation to the European and international initiatives and programs
- thanks to the effort of the Platform, Slovakia became one of the five founding Member States in the European consortium ***Food Nutrition and Health Research Infrastructure*** (FNH-RI).

Bioeconomy issues, barriers and challenges in regional context: BE issues/existing tools and BP



The National Platform AgroBioFood Nitra



Bioeconomy issues, barriers and challenges in regional context: **BE barriers**



- low public awareness of new concepts (BE, CE, LCE)
- prevailing sectoral approach (policies)
- missing data
- insufficient support of small-scale agriculture and low level of food self-efficiency
- inadequate conditions for innovative SMEs/start-ups (low societal acceptance and status of entrepreneurs, insufficient PPP funding)
- occasional cooperation and low mutual trust between research and business sphere
- coordination and encouragement of institutional cooperation in the region (for better utilization of existing potential and infrastructure)

Bioeconomy issues, barriers and challenges in regional context: **BE challenges**



- reliable indicators for monitoring the added value of bio-based activities
- better conditions for creating new agro-based food value chains in line with EGD philosophy
- successful establishing and implementation of regional development fund (proposed in regional RIS3)
- support of demand-driven research by private sector
- promising value chains for regional BE: 2nd generation of biofuels, waste recycling management, bio-innovations (SMEs)...

Thank you for your attention

NSGR
SUA in Nitra



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