



**POWER4BIO**  
REGIONS FOR BIOECONOMY

emPOWERing regional stakeholders for realising the full potential of european  
BIOeconomy

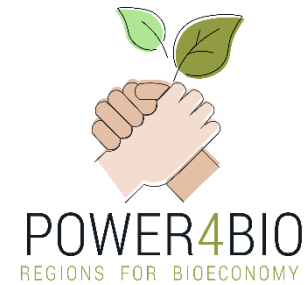
## **POWER4BIO - úspešne implementovaný projekt**

*Danka Moravčíková, SPU v Nitre*

Informačný deň Horizont Európa, Klaster 6 Potraviny, biohospodárstvo,  
prírodné zdroje, poľnohospodárstvo a životné prostredie

4.5.2021

# POWER4BIO-projekt

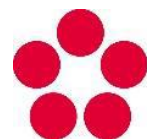


- **Hlavný cieľ:** posilniť tranzíciu európskych regiónov na biohospodárske regióny prostredníctvom podpory regionálnych zainteresovaných subjektov a poskytnutím potrebných nástrojov a usmernení pre vypracovanie a implementáciu uskutočniteľných, udržateľných a konkurencieschopných biohospodárskych stratégií s využitím vyspelých technológií.
- **Trvanie:** október 2018 – marec 2021

Tento projekt získal finančné prostriedky z programu Horizont 2020 Európskej únie na základe grantovej dohody č. 818351.



# 17 partnerov z 11 krajín



Jihočeská univerzita  
v Českých Budějovicích  
University of South Bohemia  
in České Budějovice



DRAXIS  
ENVIRONMENTAL TECHNOLOGIES



Flanders  
state of the art



SPRING

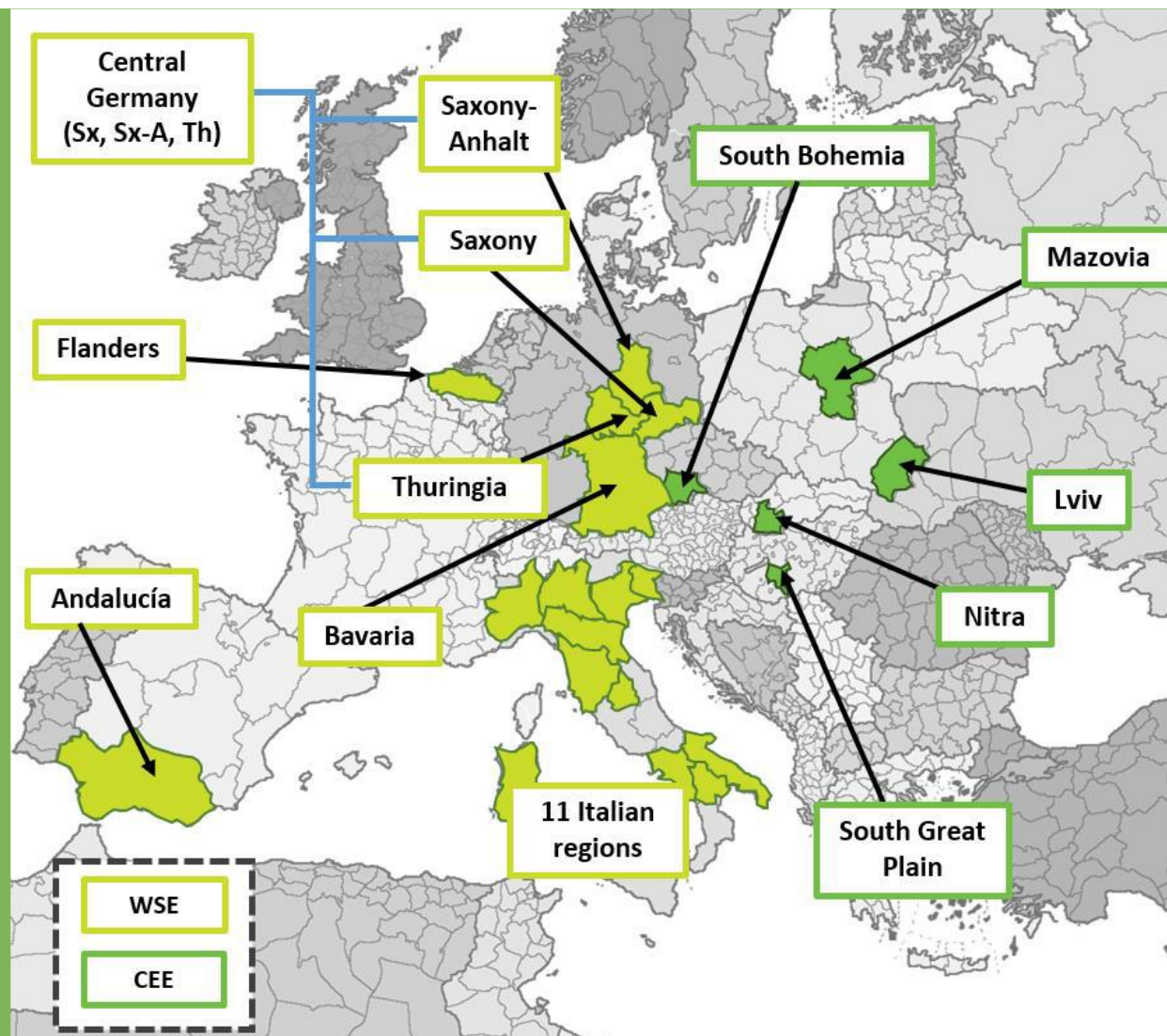
Sustainable Processes and Resources  
for Innovation and National Growth

Italian Cluster of Green Chemistry

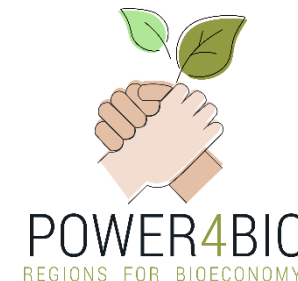


# POWER4BIO regióny

- 10 zúčastnených regiónov
- **5 regiónov zo západnej a južnej Európy** so stredným až veľmi vysokým stupňom biohospodárskej vyspelosti
- **5 regiónov zo strednej a východnej Európy** s nízkym až stredným stupňom biohospodárskej vyspelosti



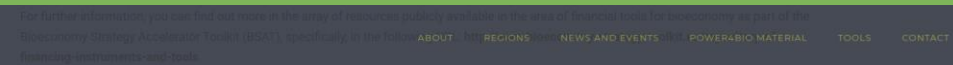
# POWER4BIO metodológia a výstupy:



## Business models

The business models have been extensively assessed in POWER4BIO. The modelling process and assessing the different businesses based on the results of the modelling process is a bundle of supportive tools that can connect somehow the regional bioeconomy activities to the CAP. To this end, download the Canvas Model guideline used in the project.

[Download the POWER4BIO Business Modelling Methodology.](#)



## Policy framework

Policy alignment is a mandatory practice in the bioeconomy field. Under the umbrella of the CAP, the links with other related on-going policies and incentives, is highly encouraged. As an example, within the Deliverable 4.1 ("An overview of suitable regional policies to support bio-based business models"), good policy 42: "Use of residues from olive oil industry as fertilisers" is strongly recommended for a close revision in case you are interested in the CAP in Southern Europe.

[Download the good policy document here.](#)

- **mapovanie** (i) dostupného odpadu a surovín, (ii) existujúcich *know-how* kapacít z hľadiska obchodnej štruktúry, logistiky a pod.
- **zhodnotenie a analýza** súčasných technológií v zmysle ich vhodnosti pre využitie a transformáciu dostupných surovín

## Financial examples

POWER4BIO has thoroughly evaluate and promote a wide selection of financial instruments addressing circular economy/bioeconomy. Among the studied cases, there are two specific cases which could highlight the link between bioeconomy and CAP from the financial point of view:

Download the case study: [Financial instruments for rural development 2014–2020 Occitanie/Pyrénées-Méditerranée, France.](#)

Download the case study: [Loans for rural development 2014-2020, Estonia.](#)

For further information, you can find out more in the array of resources publicly available in the area of financial tools for bioeconomy as part of the Bioeconomy Strategy Accelerator Toolkit (BSAT), specifically, in the following URL: <http://www.bioeconomy-strategy-toolkit.eu/repository-of-financing-instruments-and-tools>



## Rural biorefinery examples

The rurality aspects are of instrumental importance of the CAP. In the following report, you can be inspired by some examples characterised in POWER4BIO project, focusing on rural small scale best practice solutions, related to the CAP and potentially exploited in other regions due to its high potential of replicability.

Download the POWER4BIO deliverable: [D3.4 Best practice examples](#)



# Catalogue of bioeconomy solutions

## Finding key information of promising bioeconomy solutions

Refine results choosing one or more of your desired properties

 Search by feedstock 

 Search by technology 

 Search by TRL 

 Search by product 

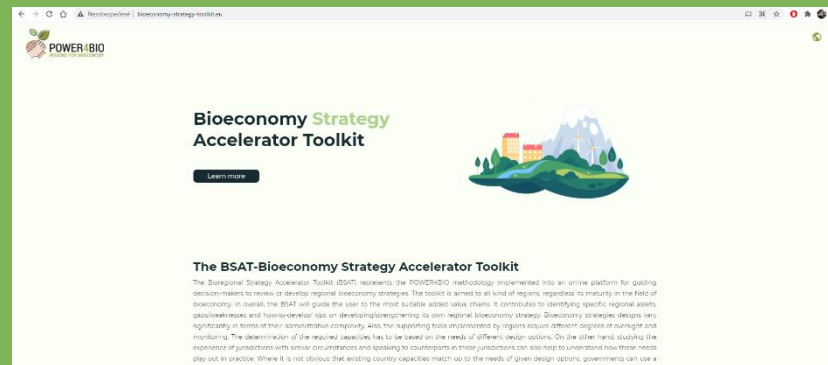
 Search in solution's summary

 Search in technology's description

SEARCH

RESET

# POWER4BIO metodológia a výstupy:

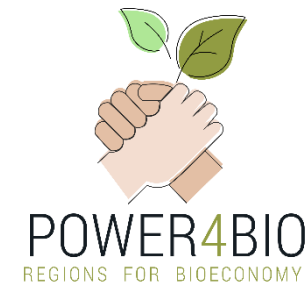


- **vypracovanie** postupov, plánov a usmernení pre regióny s cieľom pomôcť porozumieť, identifikovať a vybrať najvhodnejšie riešenia pre rozvoj biohospodárstva
- **usmernenie** regiónov prostredníctvom procesu definovania vlastných biohospodárskych stratégií

The BSAT-Bioeconomy Strategy Accelerator Toolkit (<http://bioeconomy-strategy-toolkit.eu/>)



# POWER4BIO metodológia a výstupy:



## POWER4BIO webinar series: Bio-based materials

### Training webinar 1: Introduction to biomaterials

Katrin Kala (Ray Zohar Nieropff Ltd.) Welcome and introduction  
Download presentation

Agnieszka Mariniak (CRIC, coordinator of POWER4BIO). POWER4BIO's  
Regional strategy and overview of local

Kornel Maderly (Ray Zohar Nieropff Ltd.) Introduction to biomass  
valorisation for biomaterials

Download presentation

Philipp Willers (Oniro). Biomaterials success stories Oniro, a  
member of Inspiraity Authority

Download presentation

### Training webinar 2: Biomaterials: financing, supporting policies, good practice cases

Luigi Amadi (META Group). How to finance biomaterials and their  
value chains using European Structural and Investment funds

Download presentation

Berlin Ebersten (Wageningen Environmental Research) Supporting  
policies for bioeconomy – focus on biomaterials

Download presentation

Flipp Mariniak (Oniro). Biomaterials success stories: from R&D to  
production of bio-based and composite plastics and products

Download presentation

Giuseppa Benetti (Mopa S.r.l.). Biofabrication success story: microfilm  
based materials for different purposes

Download presentation



## POWER4BIO webinar series: Food and feed

### Training Webinar 1: Introduction to biomass valorisation for food and feed in the global picture

Presenter: Jan Broeze (Wageningen Food & Biobased Research)  
Download presentation of webinar 1

### Training Webinar 2: Technical examples on added value generation

Presenter: Mariëtte Bruins (Wageningen Food & Biobased Research)  
Download presentation of webinar 2

### Training Webinar 3: Examples connected to sustainability ambitions, upcycling and complete biomass valorisation

Presenter: Mariëtte Bruins (Wageningen Food & Biobased Research)  
Download presentation of webinar 3

### Training Webinar 4: Examples connected to trends in food

Presenter: Jan Broeze (Wageningen Food & Biobased Research)  
Download presentation of webinar 4

### Training Webinar 5: Technical examples of regional initiatives

Presenter: Mariëtte Bruins (Wageningen Food & Biobased Research)  
Download presentation of webinar 5

### Training Webinar 6: Learnings for high potential value chains

Presenter: Jan Broeze (Wageningen Food & Biobased Research)  
Download presentation of webinar 6

### Training Webinar 7: How to finance food and feed value chains using European Structural and Investment Funds

Presenter: M. Luigi Amadi (META)  
Download presentation of webinar 7

### Training Webinar 8: Supporting policies for bioeconomy – focus on food and feed

Presenter: Dr. Berlin Ebersten (Wageningen Environmental Research)  
Download the presentation of webinar 8

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## POWER4BIO webinar series: Biochemicals

### Training Webinar 1: Biochemicals: status-quo at EU level and roadmap

RoadtoBio: Dr.-Ing. Lea König – DEHEMA 4.V. and Ms. Yamini  
Panchaksharam – Edtech (DK)

Download presentation

Ma. Ilaria Re EU Project Office Director from Consorzio Italbiotec  
Download presentation

### Training Webinar 2: Innovative practices and keys for successful business cases

Best practice example – Biofabrik | The Green® Refinery: Mr. Oliver  
Riedel (CEO) – Biofabrik Technologies GmbH

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BioRefineries area exemplary R&D projects: Mr. Anne Odong'oit –  
DBFZ

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### Training Webinar 3: Sustainability in biochemical production

Dr. Almona Tani: Food and Agriculture Organization of the United  
Nations – FAO, Climate Change Division

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### Training Webinar 4: How to finance bio-based chemicals and its value chains using European Structural and Investment Funds

Ma. Francesca Natali: META Group

Download presentation

### Training Webinar 5: Supporting policies for bioeconomy – focus on biochemicals

Dr. Berlin Ebersten: Wageningen Food & Biobased Research

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## POWER4BIO webinar series: Bioenergy

### Training webinar 1: High potential value chains. From conversion technologies to business cases

Alessandro A. Carmona-Martinez (CRIC): Biogas from agro-  
residues: farm waste as a resource for bioenergy production

Download presentation

Mariëtte Kazianka (CEPHE, Coordinator of AgroBioHeat Project):  
Sustainable and economic fuel heating with agro biomass:  
challenges, technologies and success cases

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### Training webinar 2: Successful cases. Keys for success, collaboration schemes and roadmaps to promote the implementation of bioenergy projects

Leire Cabré (Ajuntament de Vilafranca del Penedès): Project  
"Villafra per Calor"

Download presentation

Thamar Sebeştes (Green Energy Innovative Cluster): Roadmap  
from promotion to implementation of small and medium size  
bioenergy projects in rural Romania

Download presentation

### Training webinar 3: Legislation and financing opportunities for bioenergy projects

Francesca Natali (META Group): How to finance bioenergy  
companies and its value chain using ESF: The Ingenium ESF Fund: a  
tool to foster regional economic development

Download presentation

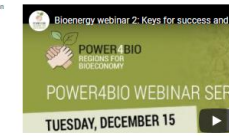
Alberto Rocamora (Bioenergy Europe Group): The European Green  
Deal: Bioenergy perspective

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Berlin Ebersten (Wageningen Environmental Research): Supporting  
policies for bioeconomy – focus on Bioenergy

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- **organizovanie kvalifikačného vzdelávania pre skvalitnenie technického ľudského potenciálu v regiónoch**



# POWER4BIO: niekoľko faktov



- **78** podujatí vrátane 10 návštev P4B regiónov
- **850** účastníkov
- **4** série tréningových webinárov
- konferencia ***Bioeconomy Innovation Week*** (<https://power4bio.eu/project-presentations-videos>)
- **137 519** oslovených zainteresovaných strán

# POWER4BIO: čo nám projekt dal

- tri **podané projekty** 2018, 2019, 2020 (hodnotenia 13-14,5 b., všetky na rezervnom zozname...)
- **sieťovanie** domácich zainteresovaných strán
- **know-how** pre prípravu ***Integrovannej územnej stratégie NSK do 2030*** (Inovatívna, udržateľná a konkurencieschopná ekonomika)
- Prepojenie na BIOEAST iniciatívu a **spolupráca** s projektmi **BIOEAST Up** a ***BE-RURAL***
- **Memorandum o partnerstve** k podpore rozvoja bioekonomiky (SPU v Nitre a *Platforma pro bioekonomiku ČR*)

# Ďalšie informácie



## Kontakt

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## Koordinátor projektu

**Ignacio Martín**

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**Fundación CIRCE**

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