



**POWER4BIO**  
REGIONS FOR  
BIOECONOMY



**Junta de Andalucía**  
Consejería de Agricultura, Ganadería,  
Pesca y Desarrollo Sostenible

Cross-visit Andalusia, 20<sup>th</sup> October 2020

Panellist: Berien Elbersen – Wageningen Environmental Research

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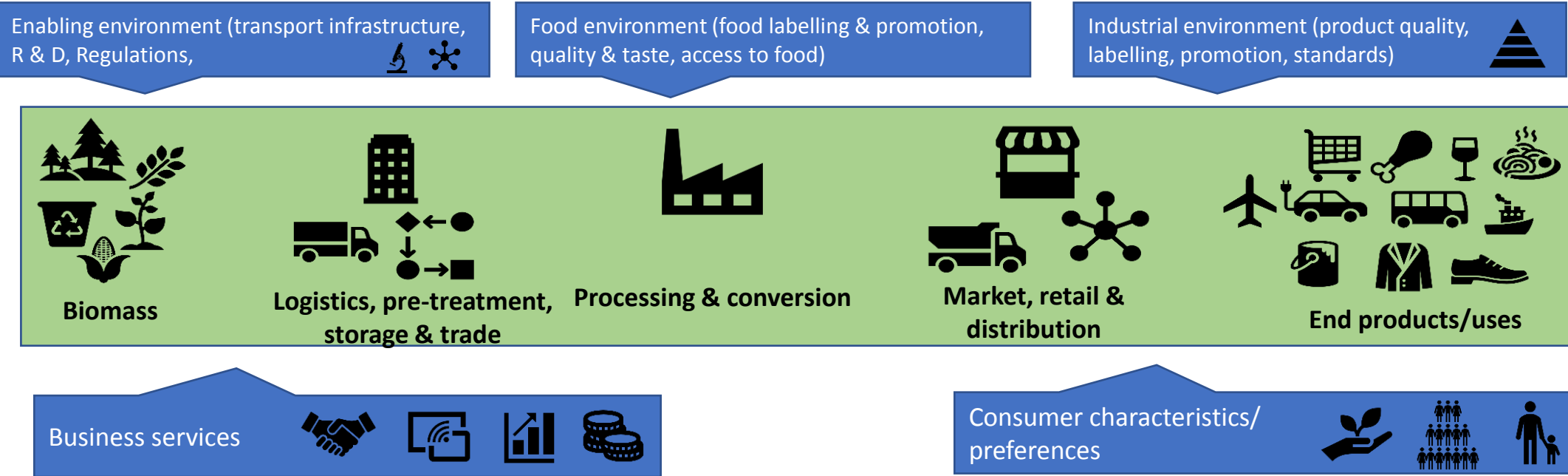
# Bioeconomy system overview



## Socio-economic drivers



## Bioeconomy activities



## Environmental drivers





## Catalogue with bio-based solutions

Deliverable 3.3

MAIN AUTHORS: WAGENINGEN RESEARCH, BZN, CIRCE, DBFZ

DATE: 31 DECEMBER 2019

PUBLIC



## An overview of suitable regional policies to support bio-based business models

(Deliverable 4.2)

MAIN AUTHORS:

WAGENINGEN RESEARCH: BERIEN ELBERSEN, JOSKE HOUTKAMP, INGRID CONINX & MARTIEN VAN DEN OEVER

Bay Zoltán: NORA HATVANI, AKOS KOOS & KORNEL MATEFFY

AKI: ISTVÁN KULMÁNY & VIKTÓRIA VÁSÁRY

DATE: 30 MAY 2020

PUBLIC



## Recommendations for the use of existing tools when developing regional bioeconomy strategies

Deliverable 2.3

MAIN AUTHOR: STICHTING WAGENINGEN RESEARCH

DATE: 30 MAY 2019

PUBLIC

Power4Bio relevant activities & products  
See: <https://power4bio.eu/project-material>

# Vision on bioeconomy in near future



- Conversion of our economy to a biobased and circular economy requires system changes. Covid epidemic helps to create a momentum for system change:
  - Limit to depletion of natural resources
  - More awareness of how we live on this planet,
  - Climate change impacts are increasing and more visible
  - We are vulnerable which makes leading a more healthy life more important (food, surrounding)
  - We need to revitalise our economy, need new Jobs!
  - We need to do this in harmony with the natural environment



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# Vision on bioeconomy in near future



3 requirements for development of circular bioeconomy:

- 1) Market demand for biobased circular products needs to grow (awareness, education, companies & industries need to take up their responsibilities in relation to products put on the market, communication)
- 2) Knowledge and R&D development : Good data, good public private cooperation in research & education
- 3) Policies need to be put in place that facilitate the process of public and industrial awareness and action, provide solid facts & figures, stimulate and safeguard those actions that deliver public goods (clean sufficient water, GHG mitigation, biodiversity conservation), particularly those goods not paid for by the market.



# Recommendations: barriers to address



- Absence of bioeconomy strategy
- Lack of transparency and policy coherence
- Fragmentation of policy instruments
- Timeframe of policy is uncertain: Long term vision and policy continuity are needed to build up investor confidence and to catalyse investment.
- Biomass availability: The sustainable mobilisation of sufficient and good quality biomass is essential to build the bio-based economy. Obstacles are among others low cooperation of farmers and foresters, absence of whole-year availability of the biomass (seasonality), uncertain provenance, challenging logistics, low quality and sustainability.
- Need for research and innovation that are required to design a bioeconomy that fits to the regional potentials
- Vague goals and no operationalisation in policies
- Public awareness and stakeholder acceptance, and lack of demand-side policy.



# POWER4BIO website and social media



[www.power4bio.eu](http://www.power4bio.eu)



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# Thank you for your attention!

[Name of presenter]

[\[power4bio.capder@juntadeandalucia.es\]](mailto:power4bio.capder@juntadeandalucia.es)



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