



**BRILIAN**  
Circular Future for Rural Areas

Empowering rural areas through  
**COOPERATIVE & CIRCULAR**  
**BUSINESS MODELS**

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## 4 PIVOTAL ACTIONS FOR THE BIO INNOVATION

### Forging **robust rural bio-communities**

Organisational Module  
Capacity building and cooperation interregional workshops

### Achieving **circularity and sustainability**

Environmental assesment  
Farms resilience  
Water management  
Policy and Standards

### Producing **value-added bio products**

End products validation

**DENMARK**  
Rapeseed

**ITALY**  
Sunflower  
Cardoon  
Safflower

**SPAIN**  
Potato

**BRILIAN** aims to boost the revitalisation of European rural areas, which constitute 80% of the EU's territory, by supporting the adoption of cooperative and circular business models, through **4 pivotal Actions for the Bio Innovation**.

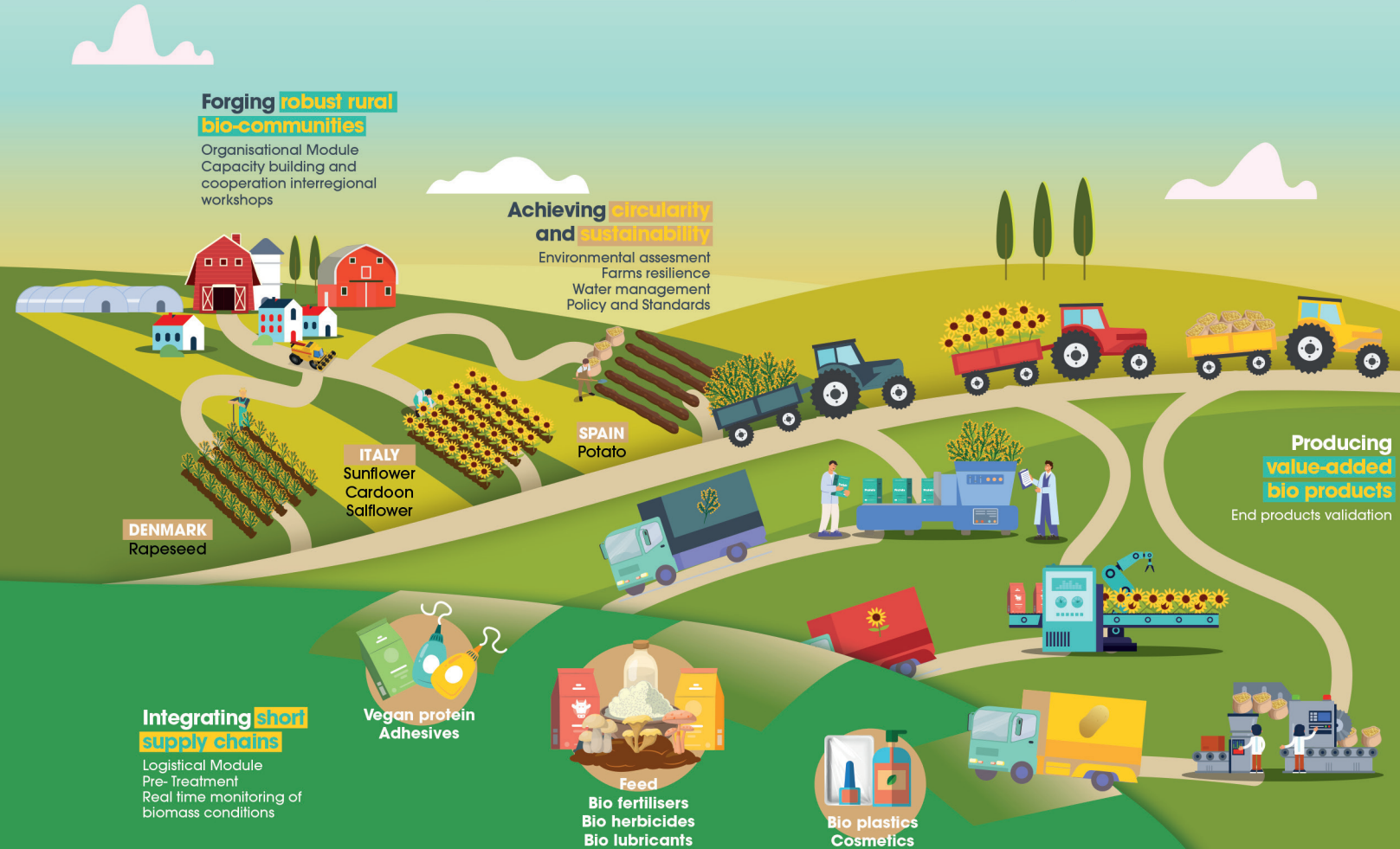
### Integrating **short supply chains**

Logistical Module  
Pre-Treatment  
Real time monitoring of biomass conditions

Vegan protein  
Adhesives

**Feed**  
Bio fertilisers  
Bio herbicides  
Bio lubricants

Bio plastics  
Cosmetics



# ITALIAN PILOT



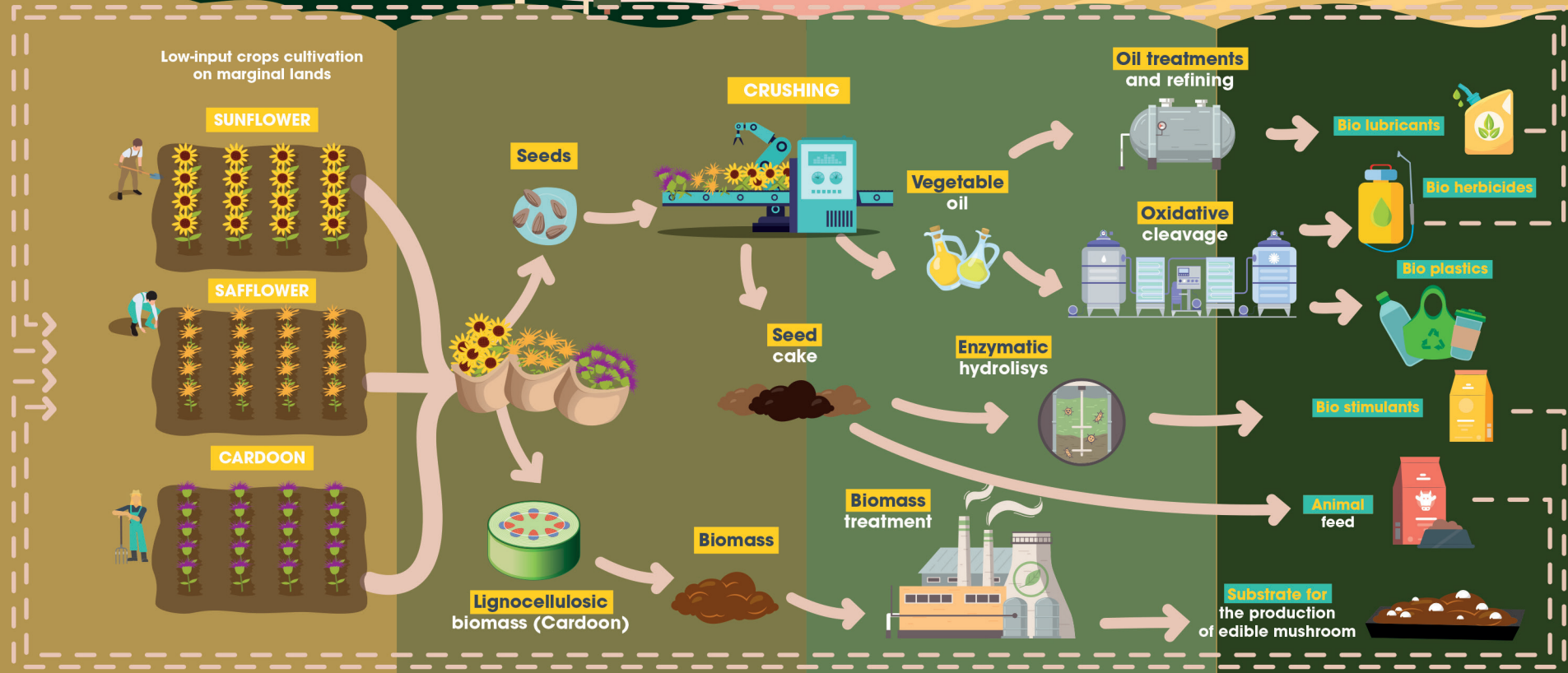
## EXPECTED IMPACTS



**405 t per year**  
of safflower, cardoon  
and sunflower processed



**40 multi-contractual  
agreements**  
between primary producers and  
the industrial actors developed



# SPANISH PILOT



## COMMERCIALIZATION

tecno tp  
packaging

Packaging products



aitip  
centro tecnológico

Thermoplastic



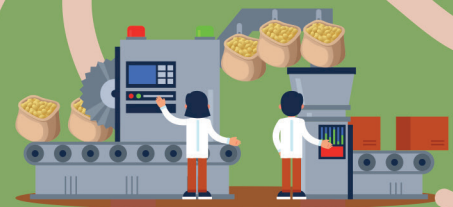
CHEMICAL & COSMETICS INDUSTRY

Refined starch → Formulations

paturpat<sup>®</sup>  
procesados de patata udapa

PASTEURIZED  
POTATO PRODUCTS

Starch  
Extraction Plant



Low COD  
Process Water

Potato  
residue

Discharge  
(WPT)

Animal  
feed

FRESH POTATO



## EXPECTED IMPACTS



90% of chemical  
oxygen demand  
reduced



140,000m<sup>3</sup>  
of water recirculated



450 t/year  
of starch generated





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# CONSORTIUM

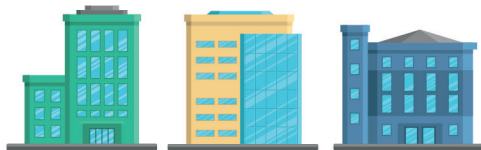
3 RTOs



3 SMEs



3 Large Companies



4 Clusters & Associations



# Join us!



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CHIMAR.



Circular  
Bio-based  
Europe  
Joint Undertaking



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