



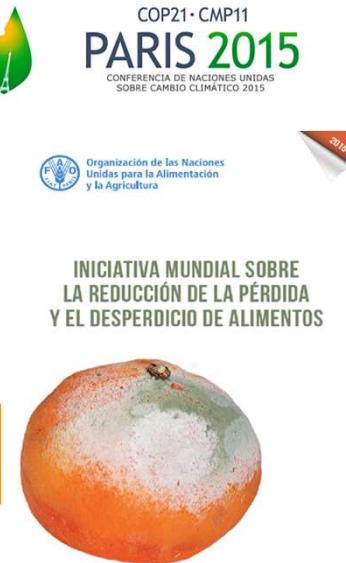
SCALE^{UP}
community-driven
bioeconomy development

Governance of regional bio-based systems
Empowering Rural Communities: the importance of
developing Governance Models on Circular Bioeconomy

**“Andalusian Strategy for the Circular
Bioeconomy ”**

Dr. Mar Cátedra Cerón
Andalusian Regional Ministry of Agriculture, Fisheries, Water and Rural Development (CAPADR)

Sevilla, 12 September 2024



[Home](#) > [Tracks](#) > [Sherpa Track](#) > [Bioeconomy Initiative](#)

SHERPA TRACK Initiative on Bioeconomy



The **Initiative on Bioeconomy** is based on three topics: science, technology and innovation; sustainable use of biodiversity; and the role of bio economy in promoting sustainable development.

The **Global Bioeconomy Initiative** is structured around three thematic axes: science, technology and innovation; sustainable use of biodiversity; and the role of the bioeconomy in promoting sustainable development.

The snippet shows the Global Bioeconomy Summit 2024 website with sections for "FULL REGISTRATION NOW OFFICIALLY OPEN", "Travel scholarship for GBS2024 bioeconomy experts", and "Registration for GBS2024 now open". It also includes a sidebar with links to "Contacts", "European Commission", and "Over 65 countries, including major players like the USA and China, as well as the East African Community, South Africa, and Namibia, have Read more".



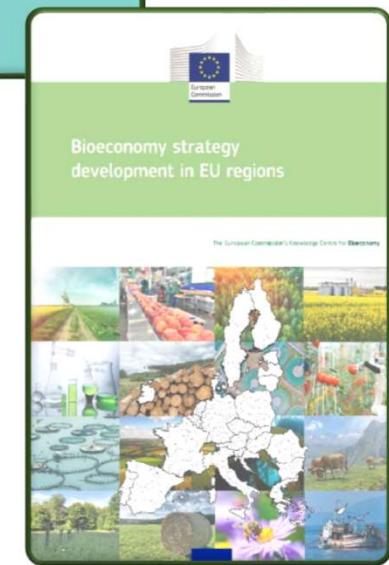
COP28 signals beginning of the end of the fossil fuel era

[Special Coverage](#)





EU Bioeconomy

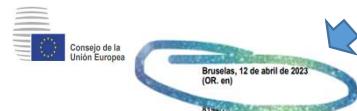


Junta de Andalucía
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Pesca, Agua y Desarrollo Rural

EU Bioeconomy



Promoting a more sustainable, competitive and resilient Europe and boosting rural areas: Council approves conclusions on the opportunities of the bioeconomy (April 2023)



NOTA
De: Secretaría General del Consejo
A: Comité Especial de Agricultura/Consejo
Asunto: Conclusiones relativas a las oportunidades de la bioeconomía a la luz de los retos actuales, con especial insistencia en las zonas rurales - Aprobación

Tras la confirmación por parte de las delegaciones de la ausencia de objeciones al texto de las Conclusiones del Consejo sobre el asunto de referencia que figura en el anexo, en el marco de un procedimiento táctico informal con fecha límite del 11 de abril de 2023, se regresa al Comité Especial de Agricultura que apruebe las presentes Conclusiones sin cambios en su reunión de 17 de abril de 2023 y al Consejo que las adopte sin cambios en su sesión de 25 de abril de 2023.

Con ocasión del debate público que se celebrará para la adopción de las Conclusiones en la sesión del Consejo de 25 de abril de 2023, se invita a los Estados miembros a que pongan aún más de relieve sus prioridades y señalen preocupaciones en cuanto al futuro desarrollo de una bioeconomía sostenible y circular.

Bioeconomy as an opportunity: reactivating rural areas, employment, sustainable growth, biodiversity, food and energy security, governance, digitalization, new products and markets, etc.



Communication from the Commission 2024:

Building the future with nature: Boosting Biotechnology and Biomanufacturing in the EU

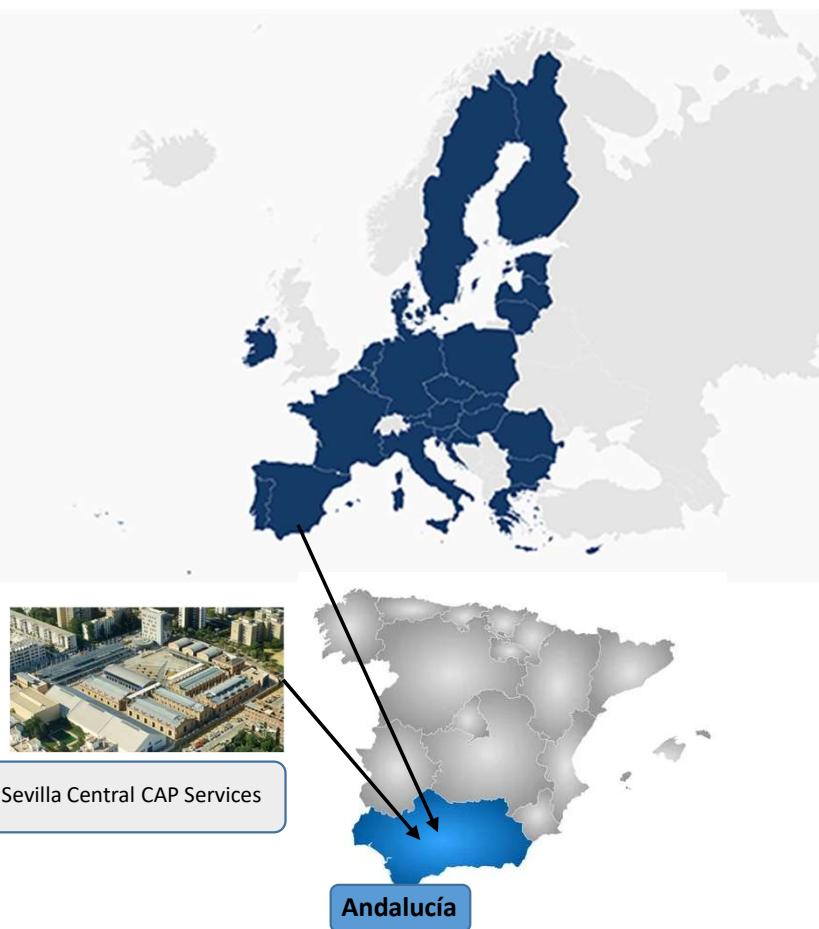


Brussels, 20.3.2024
COM(2024) 137 final

COMMUNICATION FROM THE COMMISSION TO THE EUROPEAN PARLIAMENT, THE COUNCIL, THE EUROPEAN ECONOMIC AND SOCIAL COMMITTEE AND THE COMMITTEE OF THE REGIONS

Building the future with nature: Boosting Biotechnology and Biomanufacturing in the EU

Regional Context



1st European region in agricultural production

Total Area: 9 Mha

Agricultural Area: 4,4 Mha. Forestal Area: 4,6 Mha



Population: 49% in rural areas (4 Million people)



> 267.000 Farms



**7.000 Agri-food industries
> 55.000 employees**



25% of the PAS of Spain and 3% of the EU27

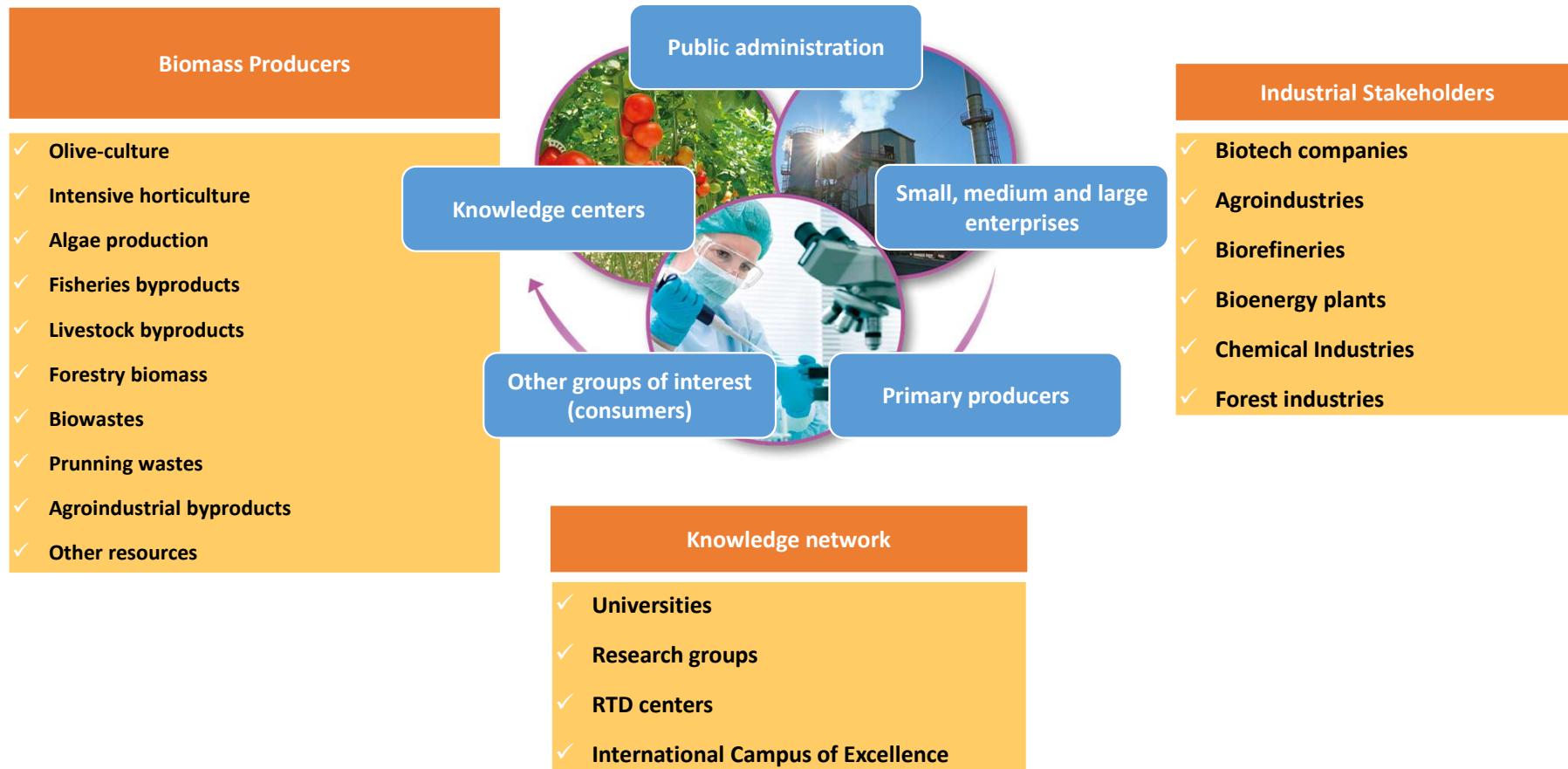
14.000 M€ Exports (2022): olive oil, fruits, vegetables



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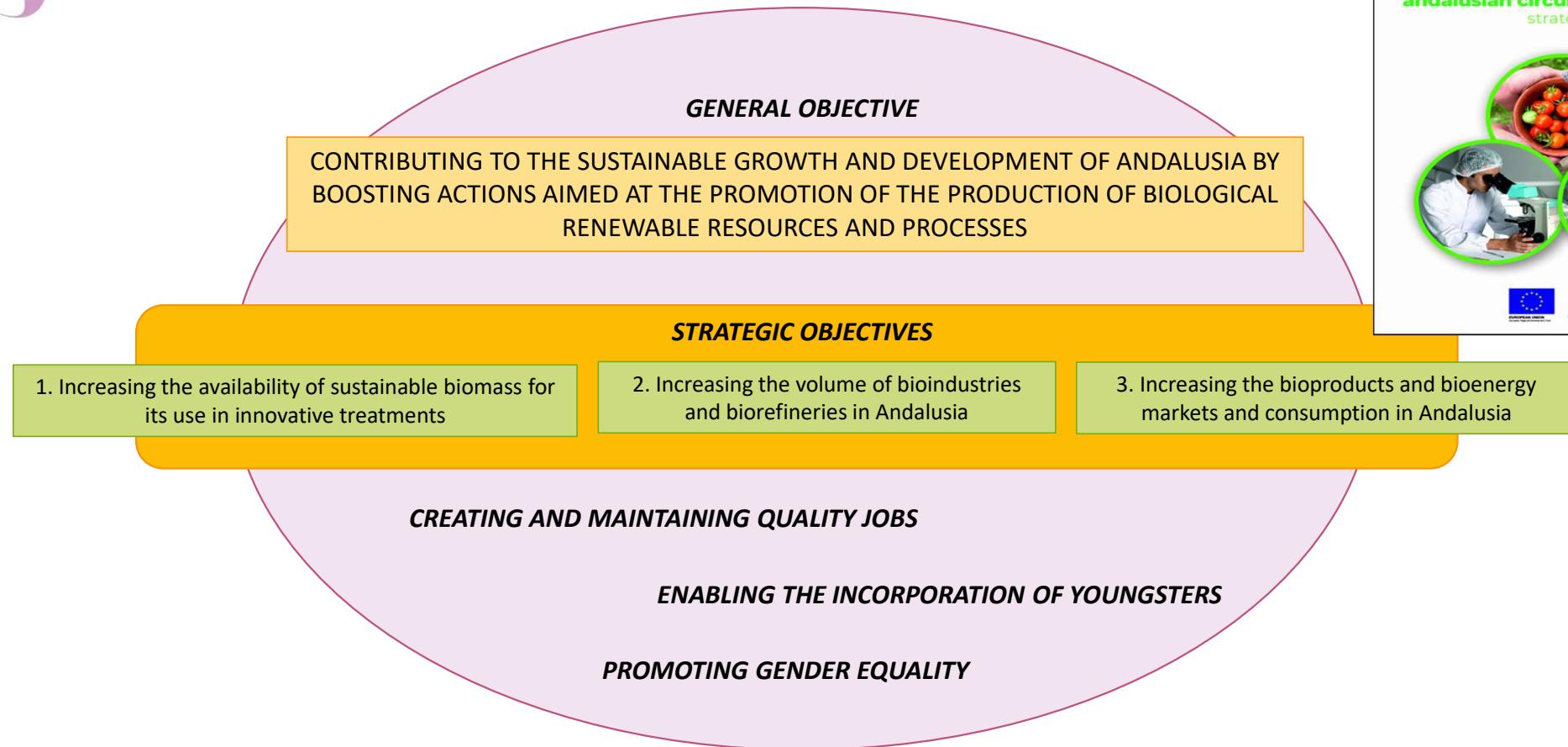


Stakeholders and capacities in the development of Andalusian Circular Bioeconomy Strategy

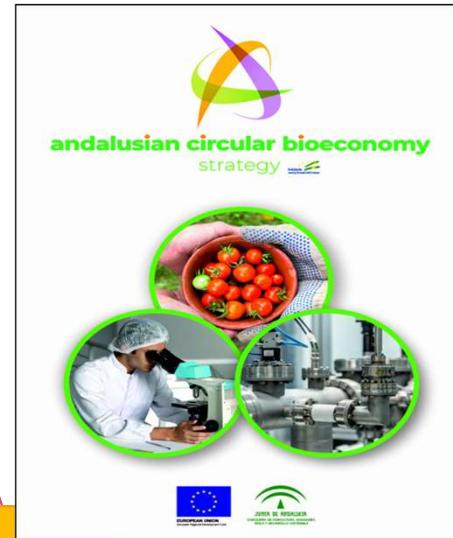




Andalusian Circular Bioeconomy Strategy

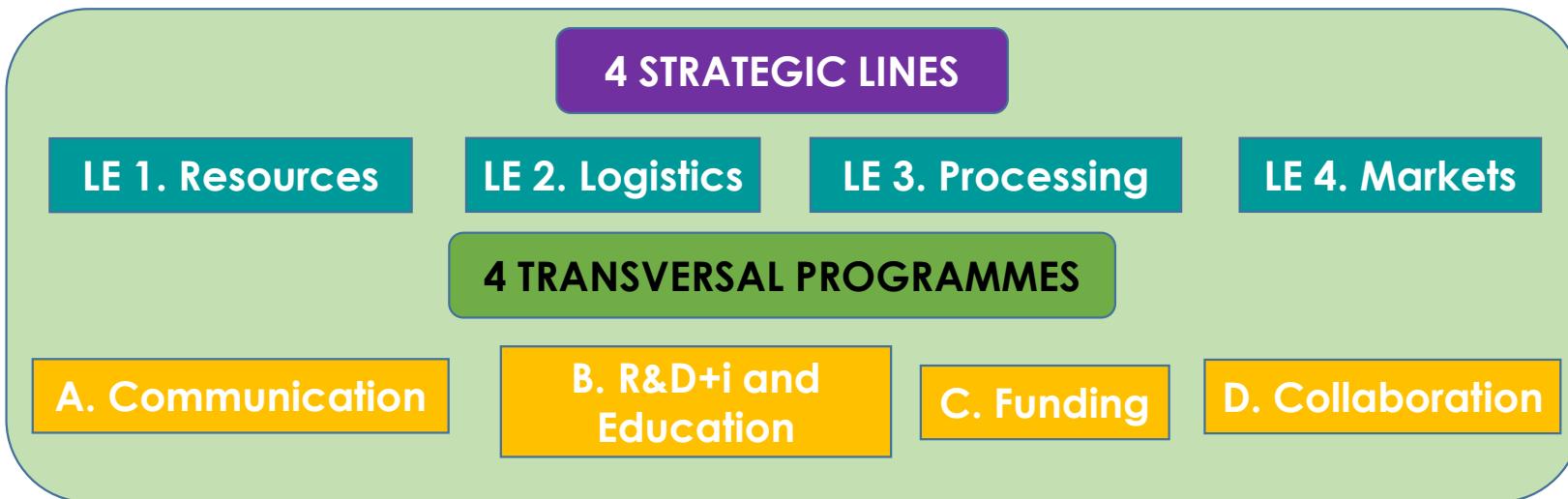


- External collaboration on Working Groups, more than experts → 50 experts
- Time Frame: 2030
- Under continuous review to adapt it to regulatory reality





Andalusian Circular Bioeconomy Strategy



<https://www.bioeconomiaandalucia.es/>

<https://www.juntadeandalucia.es/organismos/agriculturapescaaguaydesarrollorural.html>



@Bioeconomia_And



- H2020
- Horizon Europe
- National/ regional projects
- Territorial cooperation
- Training
- Transfer

Cooperation Funds
FEADER (GGOO, GDR...)
FEDER
Own funds
....



Challenges in Andalusia



LE 1. Resources



Agriculture ≈ 8 Mt



Livestock $\approx 5,5$ Mt



Agroindustry $\approx 6,8$ Mt



Fisheries ≈ 28 kt

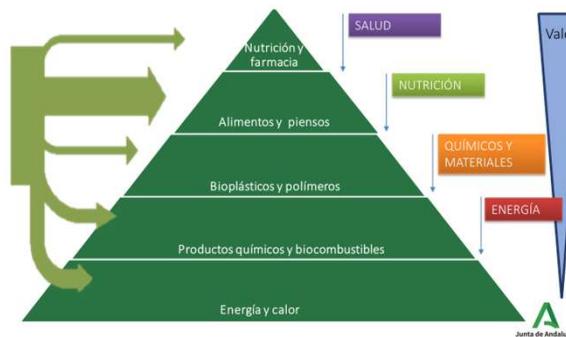
LE 2. Logistics



Biomass Resource Management,
Logistics, and Transformation



LE 3. Processing



To provide new added value to
traditional uses

LE 4. Markets

Biorrefineries and Bioindustries
Consumer markets for bioproducts



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Challenges in Andalusia: Adaptation to regulations



Ley de
**ECONOMÍA CIRCULAR
DE ANDALUCÍA**



PRIMER PLAN ESTRÁTÉGICO PARA LAS
FRUTAS Y HORTALIZAS
DE **INVERNADERO**
DE **ANDALUCÍA**
HORizonte 2030



Primera
Estrategia
Andaluza
para el Sector
del Olivar
2024-2027



Research, Innovation, Transfer and Training. International public-private cooperation



Training programme INTERCOONECTA
"Circular BioEconomy as a key element of **innovation** for the development of the new rurality through Central American rural MySMEs"



DEPLOYING CIRCULAR BIOECONOMIES AT REGIONAL LEVEL WITH A TERRITORIAL APPROACH



S3 Partnership on Traceability and Big Data

Working Group in Circular Bioeconomy and Economy



Project co-financed by the European Regional Development Fund

Sustainable waste management in protected horticultural crops

2022 - 2025



Reduce **food loss and waste** at all stages of the **value chain** and avoid the use of unsustainable packaging.



SCALE UP
community-driven bioeconomy development

Identification and development of **innovative and sustainable bio-based value chains** in 6 European regions.
Andalusia: **olive** value chain



Information and Communication Technologies to increase the efficiency of biomass supply chains



Mediterranean Innovation Alliance for Sustainable Blue Economy



Encourage the adoption and growth of the circular economy in the fruit and vegetable sector



Supporting EU regions in the transition to the bioeconomy through tools, instruments and guidance for the development and implementation of bioeconomy strategies



Andalusian Agriculture and Forestry Network
To promote the use of bio-based technologies (BBTs) for the processing of agricultural and forestry biomass



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ROBIN Project: engagement strategy

CONSULTATION (interviews,
workshops, networking)

COLLABORATION (interviews,
workshops, co-creation activities)

Cooperation between different key actors for collaborative governance, understanding factors, drivers, barriers and motivations

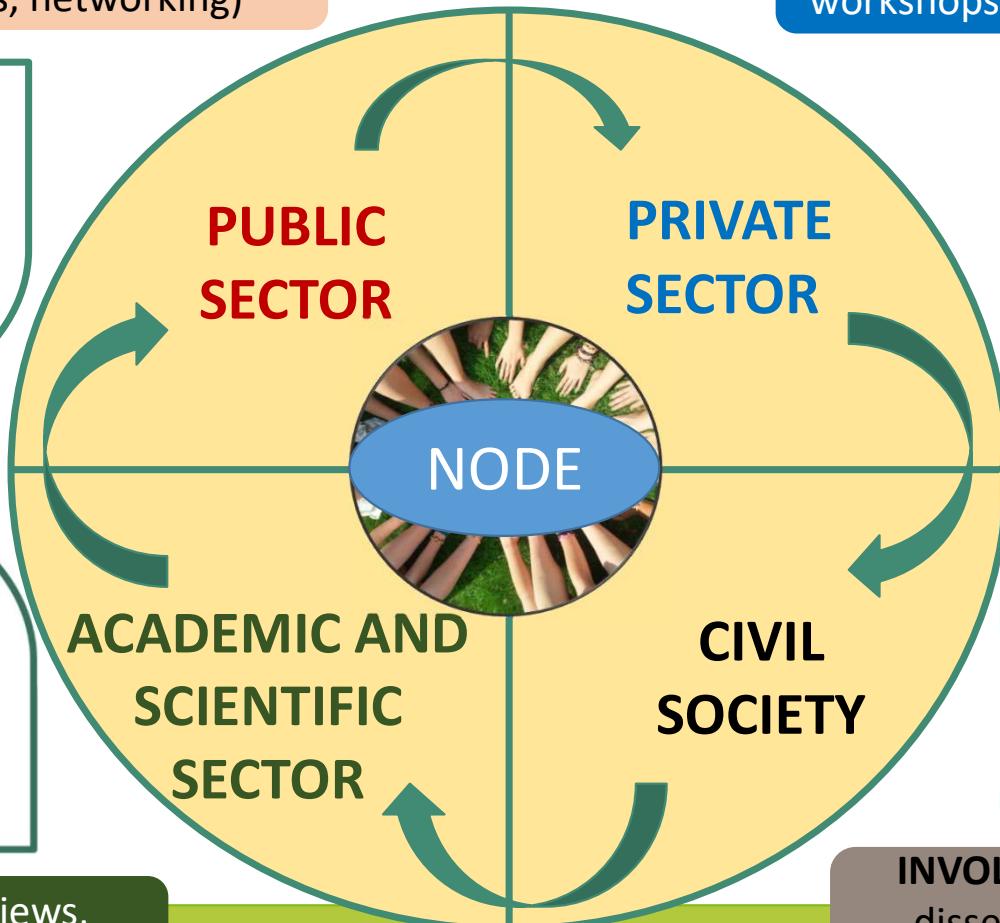
Developing the **ROBIN toolbox** to support collaborative governance and policy implementation of the bioeconomy

INFORMATION (interviews,
dissemination of results, events)

Co-creating governance models and practices to overcome barriers and seize opportunities

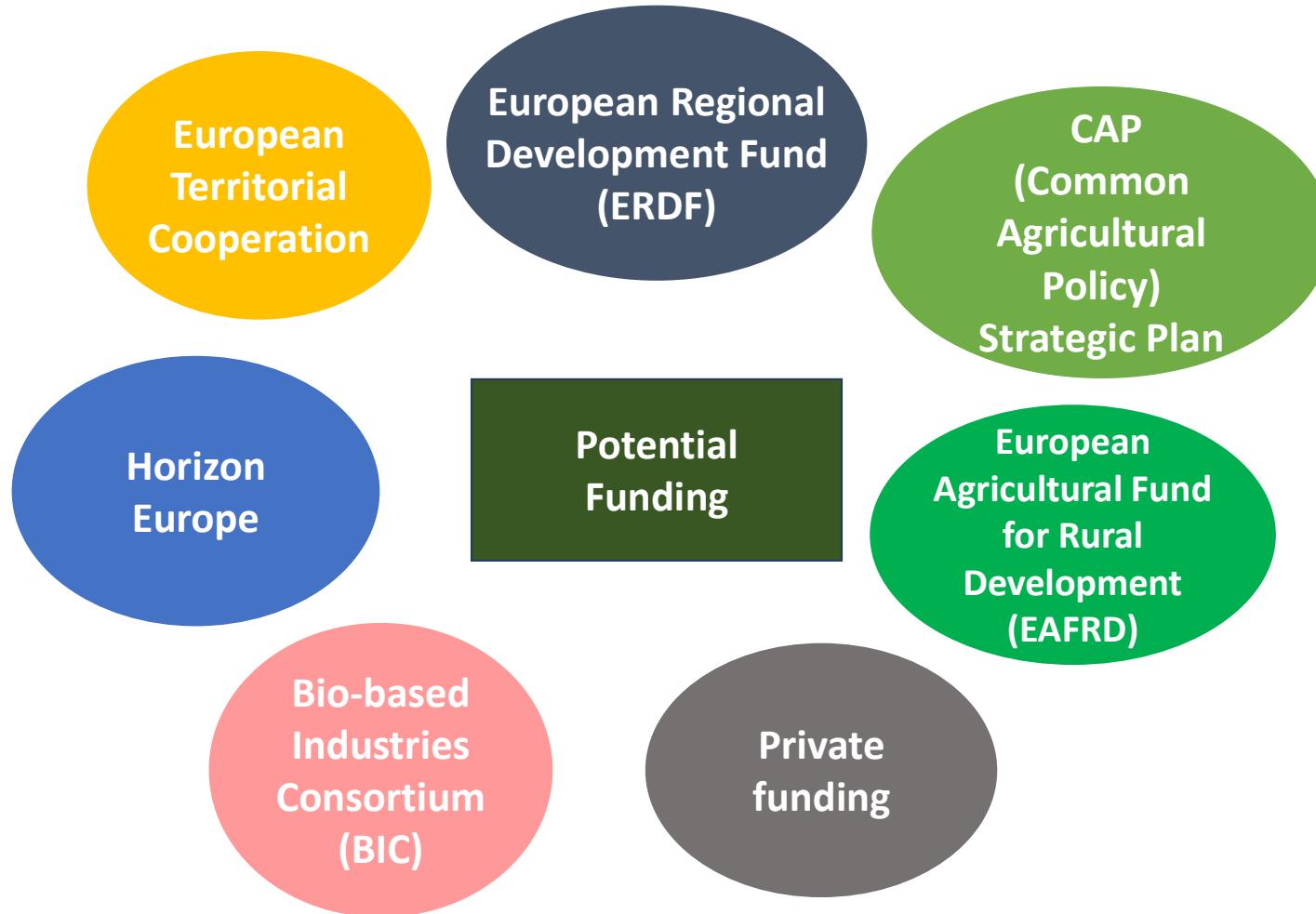
Monitor and evaluate the impact of support measures on society and the economy and ensure their sustainability

INVOLVEMENT (synergies,
dissemination of results,
exchange of information)





Financial instruments for transition of bioeconomy





Communication and dissemination

Bioeconomía y ODS 2030

Décimo aniversario de la Estrategia Europea de Bioeconomía

30/5/2022

En febrero de 2012, la UE adoptó su primera Estrategia Europea de Bioeconomía, cumpliéndose de esta forma su décimo aniversario.

Reunión del Living Lab andaluz del proyecto ZeroW en las instalaciones de La Caña

27/5/2022

Los socios del living lab andaluz del proyecto europeo ZeroW (Systemic Innovations Towards a Zero Food Waste Supply Chain) se han reunido en las instalaciones de Grupo La Caña en...

Cas...

Bio-based Industries Consortium

ATLAZUL

Impulso de la alianza litoral atlántica para el Crecimiento Azul

ZeroW

ZeroW (Systemic Innovations towards a Zero Food Waste Supply Chain) – Soluciones innovadoras sistemáticas contra la pérdida y desperdicio de alimentos en la cadena de suministro.

POWER4BIO H2020

El proyecto POWER4BIO H2020, del que la Consejería de Agricultura, Ganadería, Pesca y Desarrollo Sostenible es socio, busca empoderar a las regiones de la UE, con

AgriWasteValue final event

Nantes (Francia) 4/10/2022

Final event: presentation of complete results. Valorisation of agricultural residues.

EFIB Forum

Vilnius (Lituania) 26/10/2022 – 27/10/2022

International Forum on Industrial Biotechnology and Bioeconomy 2022

17th European Bioplastics Conference

Berlín (Alemania) 6/12/2022 - 7/12/2022

The European Bioplastics Conference is Europe's leading business and discussion forum within the global bioplastics sec...



BARRERAS Y OPORTUNIDADES NORMATIVAS EXISTENTES EN EL ÁMBITO DE LA BIOECONOMÍA CIRCULAR EN ANDALUCÍA

Mayo de 2020



GrupoTragsa



Circular Bioeconomy Business Initiatives in Andalusia: Enabling and constraining factors

LA NOCHE EUROPEA DE LOS INVESTIGADOR@S



ANÁLISIS DE VIABILIDAD DE LAS BIORREFINERÍAS AGROALIMENTARIAS ANDALUZAS: Herramientas para su priorización

José Carlos Quintela / José María Pinilla



Study on the state-of-the-art monitoring indicators applicable to the Andalusian Circular BioeconomyStrategy



Consejería de Agricultura, Pesca, Agua y Desarrollo Rural



Communication and dissemination

FORO DE BIOECONOMÍA CIRCULAR
BC
SEVILLA • 21.11.23



Junta de Andalucía
Consejería de Agricultura,
Pesca, Agua y Desarrollo Rural
foro de

Bioeconomía circular

November 21, 2023

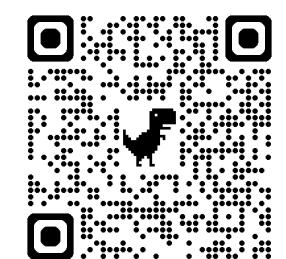
Seville (Spain)

WELCOME

THE FORUM

PROGRAMME

RESOURCES



ACBS: priority lines of action in the framework 2024-2027

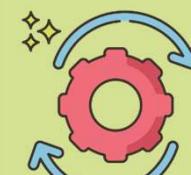


Establishment and consolidation of collaborations:

- Collaboration with the JRC (Joint Research Centre of the EC)
- Associate member of the BIC 
- S3P Working Group Traceability and Big Data in Bioeconomy and Circular Economy
- Bioregions Working Group, within ERIAFF 
- Regional Networks    



- Priority **collaboration of public-private partnerships**
- Increased focus on **awareness-raising and communication on the BEC**
- **Cooperation between sectors and new markets**
- **Administrative simplification** and use of new technologies



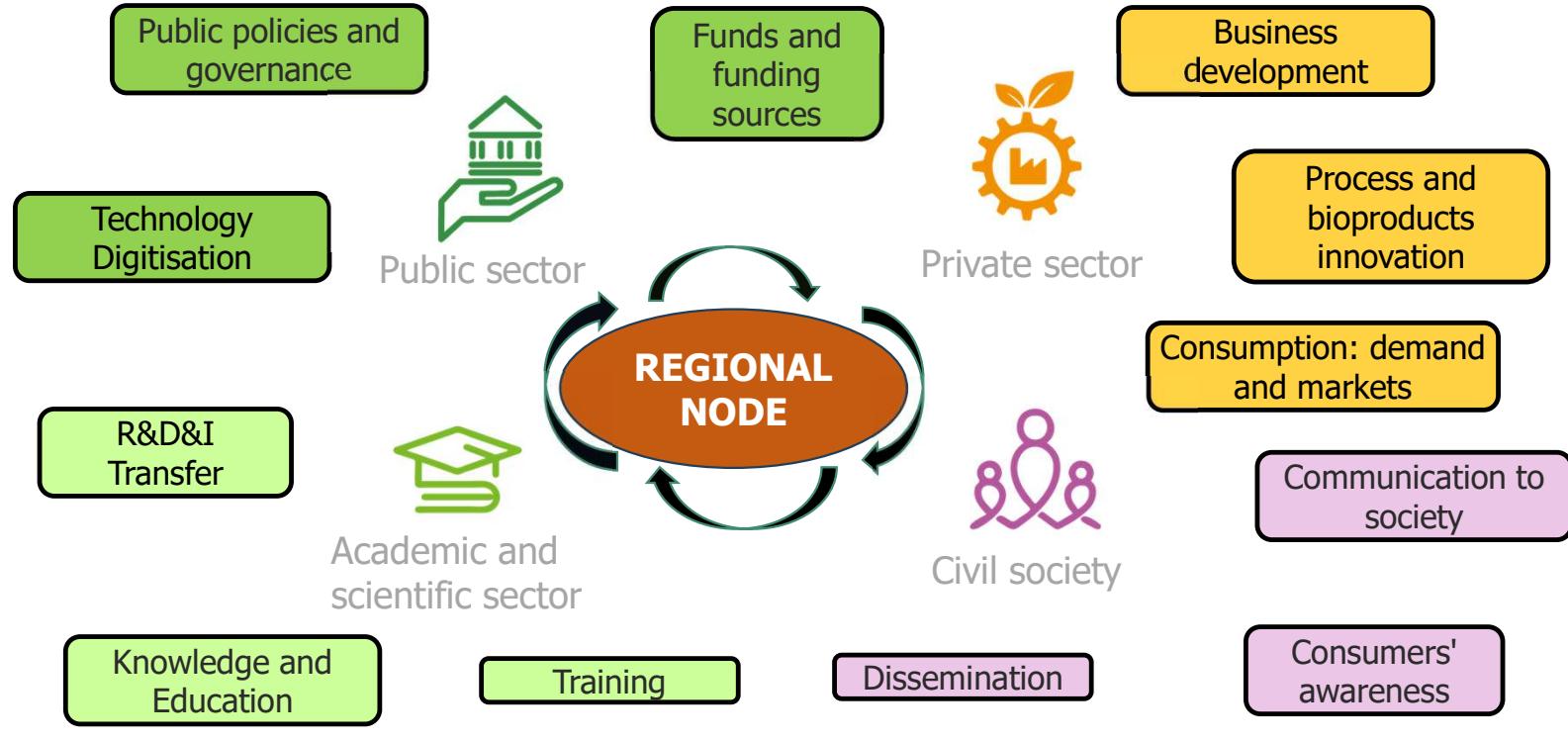
Adapted to new regional and European regulatory and planning developments:

- **CAP Strategic Plan 2023-2027 Andalusia**
- **Circular Economy Law**
- **Regional sectoral strategies:** greenhouse fruit and vegetable, olive sector,...
- Route established in the **European Green Deal**
- Planning of funds for the **financial framework 2021-2027**





Circular bioeconomy: coordinated action



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comision.bioeconomia.capadr@juntadeandalucia.es



@Bioeconomia_And
@AgriculturAnd

<https://www.bioeconomiaandalucia.es/>
<https://www.juntadeandalucia.es/organismos/agriculturapescaaguaydesarrollorural.html>