

EU Bioeconomy

Interregional conference of the Vanguard Initiative Network 26 Sept 2024

Wim HAENTJENS – Jorge MOLINA Bioeconomy & Food Systems Unit European Commission, DG Research & Innovation



The EU's understanding of the Bioeconomy

All sectors and associated services and investments that <u>produce</u>, <u>use</u>, <u>process</u>, <u>distribute or consume</u> biological resources (animals, plants, micro-organisms, including organic waste), including ecosystem services.

The EU Bioeconomy Strategy takes a holistic approach focusing on all three dimensions of sustainability.

Cross-sectoral policy framework.
It addresses five different objectives.

Strategic view on trade-offs (e.g. scarce biomass), co-benefits (e.g. for biodiversity)





EU Bioeconomy Strategy timeline

Towards a green and just **End 2025** 2022 2023 2024 2012 2018 transition Efficient + Substitution of Update of harmful products PROTECTING use of the EU renewable +Regional development resources Bioeconomy Focus on +Understanding Strategy ecological limits R&I First Bioeconomy **Updated Bioeconomy** Strategy Strategy

- <u>Bioeconomy</u>

 <u>Progress Report</u>
 - "On the opportunities of the bioeconomy in the light of current challenges with special emphasis on rural areas"

(AgriFish Council 25/4/2023)

Council Conclusion

- EMPHASISES the central role of a sustainable and circular bioeconomy for climate, environment + achieving the objectives of the EGD and its strategies.
- Calls on the EC to better integrate bioeconomy in all EU policies
- Calls on the EC to present before the next strategic period [...] an updated EU Bioeconomy Strategy and Action Plan

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

Action 8. The Commission will review the EU Bioeconomy Strategy by end 2025. The review will take into account

 the current societal, demographic and environmental challenges,

Communication on Biotechnology

and Biomanufacturing

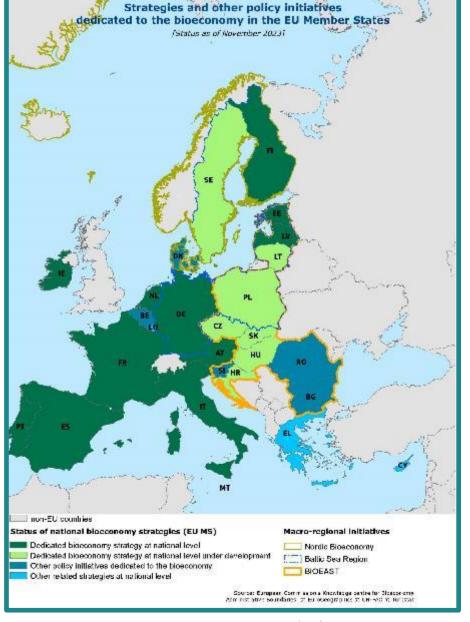
- reinforcing the bioeconomy's industrial dimension
- its links to biotechnology and biomanufacturing to contribute to a stronger EU economy

- Bioeconomy contributes to the European Green Deal which enables sustainable and just transition pathways
- Mainstreaming and up-scaling of sustainable bioeconomy ever more important in view of the current food and energy price crisis

Status of national bioeconomy policies - EU, end 2023

- 11 MS with national dedicated bioeconomy strategies
- 28 EU regions have dedicated strategy







The updated EU Bioeconomy Strategy (2018) – Action Plan

- Three priorities:
 - Strengthening and scale-up the biobased sectors
 - Deploy local bioeconomies across
 Europe
 - Understand the ecological boundaries / protect the biosphere
- A set of 14 well-defined actions



STRENGTHEN AND SCALE-UP THE BIO-BASED SECTORS, UNLOCK INVESTMENTS AND MARKETS



Mobilise stakeholders in development and deployment of sustainable bio-based solutions



Launch the EUR 100 million Circular Bioeconomy
Thematic Investment Platform



Analyse enablers and bottlenecks for the deployment of bio-based innovations



Promote and develop standards, labels and market uptake of bio-based products



Facilitate the development of new sustainable biorefineries



Develop new biodegradable products, including bio-based plastic substitutes



DEPLOY LOCAL BIOECONOMIES RAPIDLY ACROSS EUROPE



Launch a **Strategic Deployment Agenda** for sustainable food and farming systems, forestry and bio-based products



Launch pilot actions for the development of bioeconomies in rural, coastal and urban areas



Support regions and Member States to develop Bioeconomy Strategies



Promote education, training and skills across the bioeconomy



UNDERSTAND THE ECOLOGICAL BOUNDARIES OF THE BIOECONOMY



Enhance knowledge on biodiversity and ecosystems



Monitor progress towards a sustainable bioeconomy



Promote good practices to operate the bioeconomy within safe ecological limits



Enhance the benefits of biodiversity in primary production



Regional Innovation Valleys for Bioeconomy and Food Systems

New European Innovation Agenda (NEIA): five flagships & the Regional Innovation Valleys (RIVs)

Funding for deep tech scaleups

Improving policy making tools



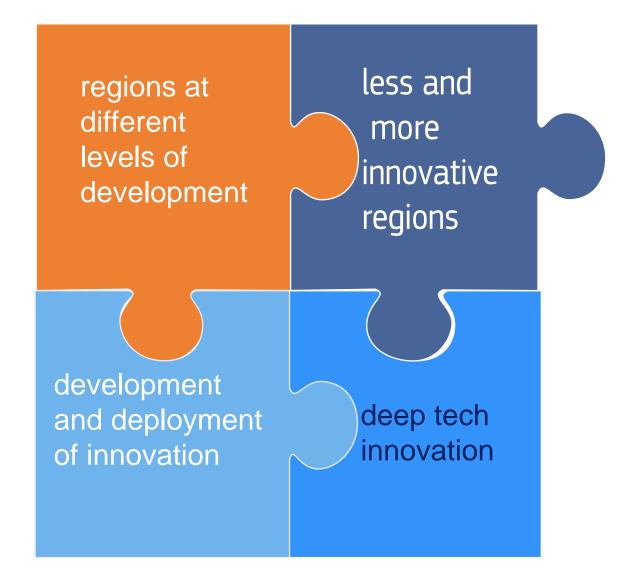
Enabling deep tech innovation through experimentation spaces and public procurement

Accelerating and strengthening innovation in European Innovation Ecosystems across the EU and addressing the innovation divide

Fostering, attracting and retaining deep tech talent

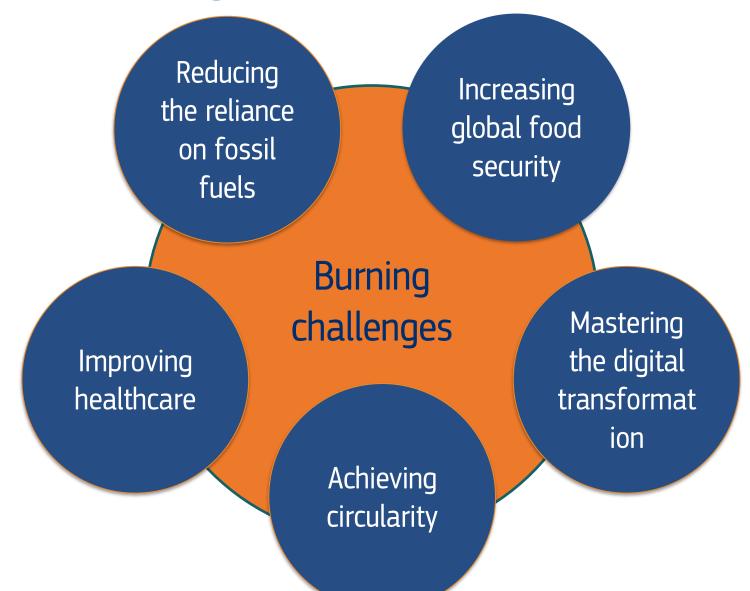


Regional Innovation Valleys framework



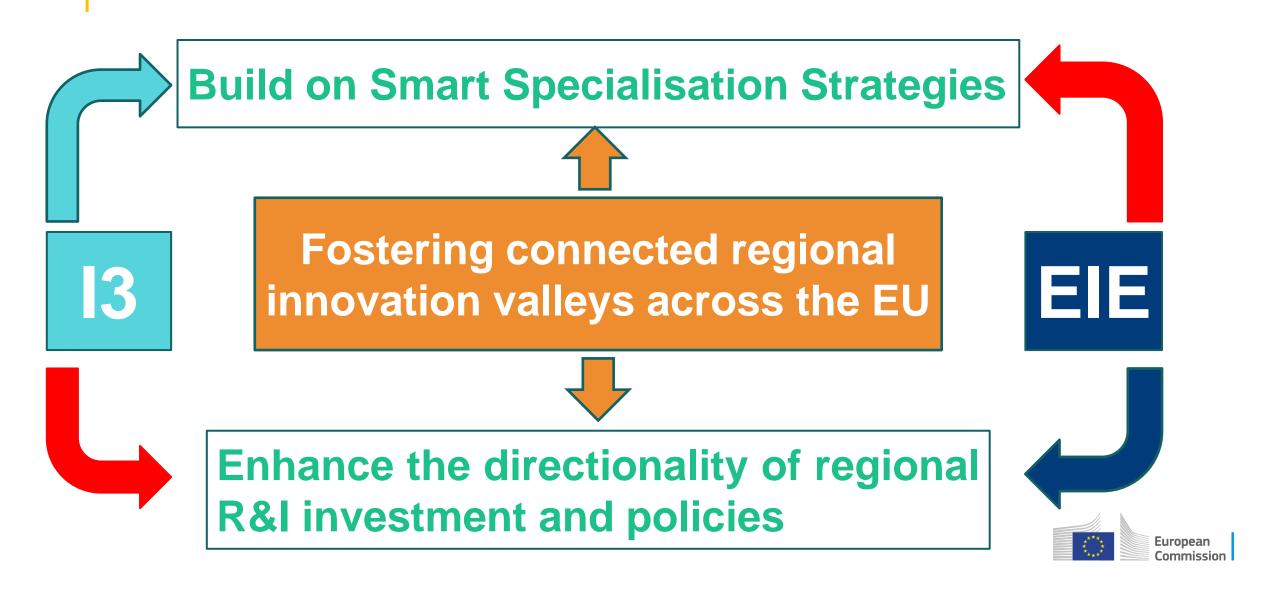


RIV's challenges



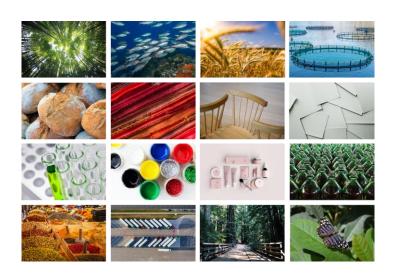


New European Innovation Agenda – Flagship 3



Concept Note on Regional Innovation Valleys for Bioeconomy and Food Systems

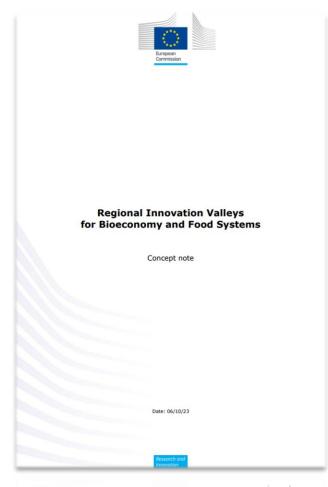
- Supporting NEIA Communication & RIV concept
- Non biding thematic use case based on the Bioeconomy principles



Concept Note here:

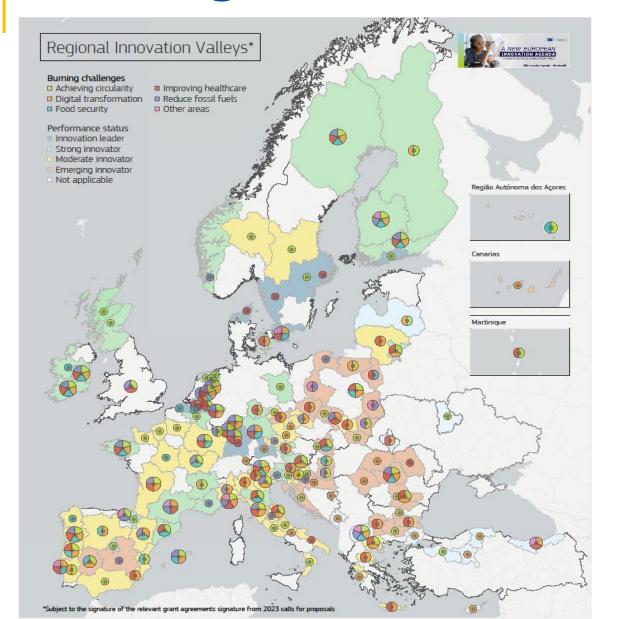
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"Regional Innovation Valleys for Bioeconomy and Food Systems" launch event - European Commission (europa.eu)





The Regional Innovation Valleys Initiative



151

Regional Innovation Valleys*

Burning challenges

- Achieving circularity
- Digital transformation
- Food security

Performance status

- Innovation leader
- Strong innovator
- Moderate innovator
- Emerging innovator
- Not applicable

- Improving healthcareReduce fossil fuels
- Other areas



First Statistics

REGIONS PER BURNING CHALLENGE

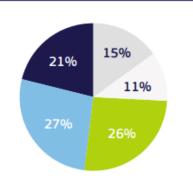
Reducing the reliance on fossil fuels

Increasing global food security

Mastering the digital transformation (including cybersecurity)

Achieving circularity

Improving healthcare



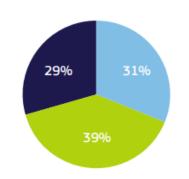
REGIONS PER DEVELOPMENT CATEGORY

According to cohesion policy categories

Less developed regions

More developed regions

Transition regions



REGIONS PER INNOVATION CATEGORY

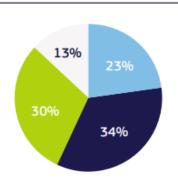
According to Regional Innovation Scoreboard (RIS)

Emerging innovator

Moderate innovator

Strong innovator

Innovation Leader



Results of EIE call

5 projects, with 80 participants from 15 MS and 4 ACs asked for 54 mln cofund (50% funding rate)



Regional Innovation Valleys: next steps

- Launch of EIE and I3 projects
- Activities linked to the RIVs newly established network: events, communication actions and community support (linked to S3 CoP).
- New WP 2025 call(s)



Thank you!

New European Innovation Agenda roadmap (europa.eu)

Interregional Innovation Investments (I3) Instrument

"Regional Innovation Valleys for Bioeconomy and Food Systems" launch event - European Commission (europa.eu)

<u>European Innovation Ecosystems (europa.eu)</u> <u>Inforegio - S3 Community of Practice</u>

