



MAINSTREAM BIO

MAINSTREAMING SMALL-SCALE BIO-BASED SOLUTIONS ACROSS RURAL EUROPE

Multi-actor Innovation Platforms and innovation support services to get small-scale biobased solutions into mainstream practices across rural Europe

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RURAL PACT Policy Lab, 19 September 2024

PARTNERS



MainstreamBIO in a nutshell

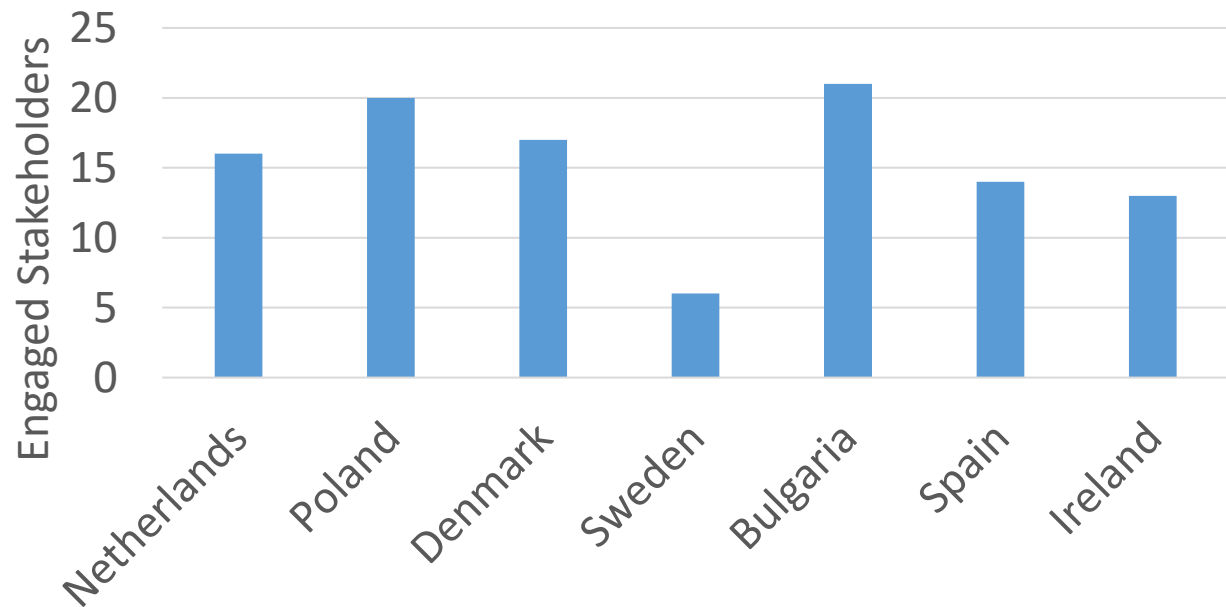
Vision: MainstreamBIO aims at contributing towards bringing **small-scale bio-based solutions** into the mainstream across **rural Europe**. We establish regional multi-actor structures for demand-driven innovation, and deliver a **combination of innovation support services, decision support system and several practical digital tools**.

Main outcomes:

7 Multi-actor Innovation Platforms (MIPs)

107 stakeholders / 35% women

MIPs population



Multi-Actor Innovation Platform

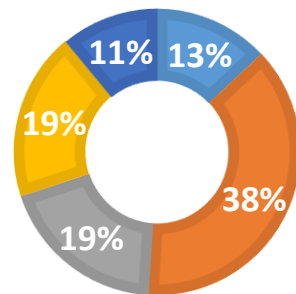
Existing **Agricultural Knowledge & Innovation Systems (AKIS)**
Regional **awareness raising & educational campaigns**

MainstreamBIO innovation support services

36 applications / 102 services requested

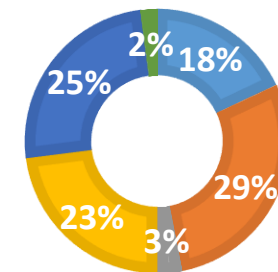
TECHNICAL SERVICES

- Project design and development advice
- Scale-up advisory
- Nutrient management and fertilization
- Technology scouting
- Techno-economic analysis



BUSINESS SERVICES

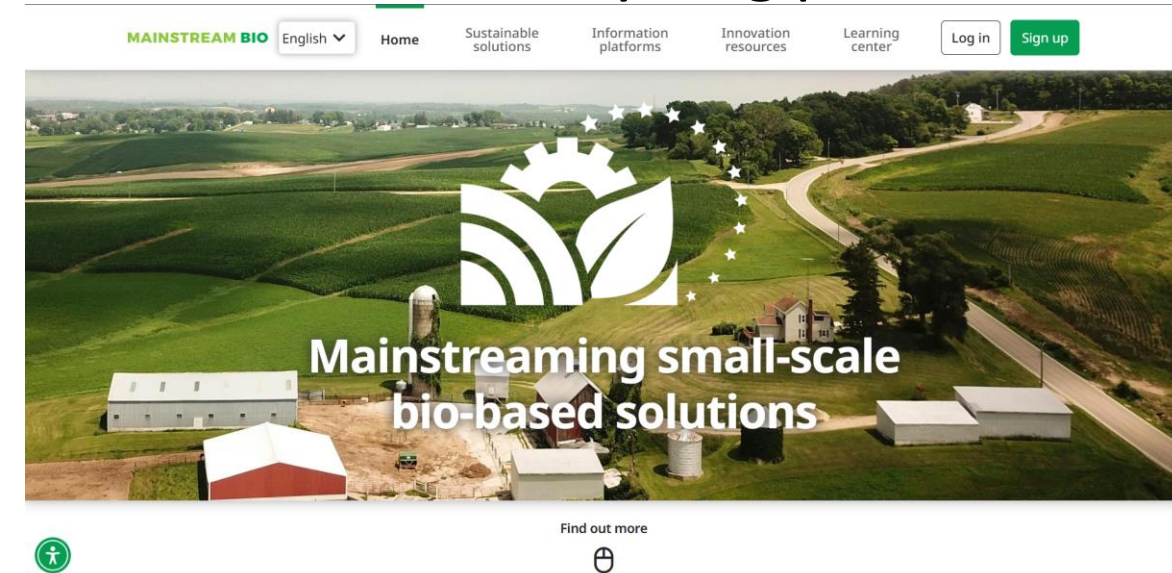
- BM design & optimization
- Market analysis
- Business mentoring
- Guidance in accessing funding
- Matchmaking
- Policy review*



Regional **co-creation workshops** to develop service portfolio
Market research to understand regional needs

MainstreamBIO digital toolkit

Decision Support System / >500 bioeconomy resources / 16 small-scale bio-based technologies / 31 nutrient recycling practices

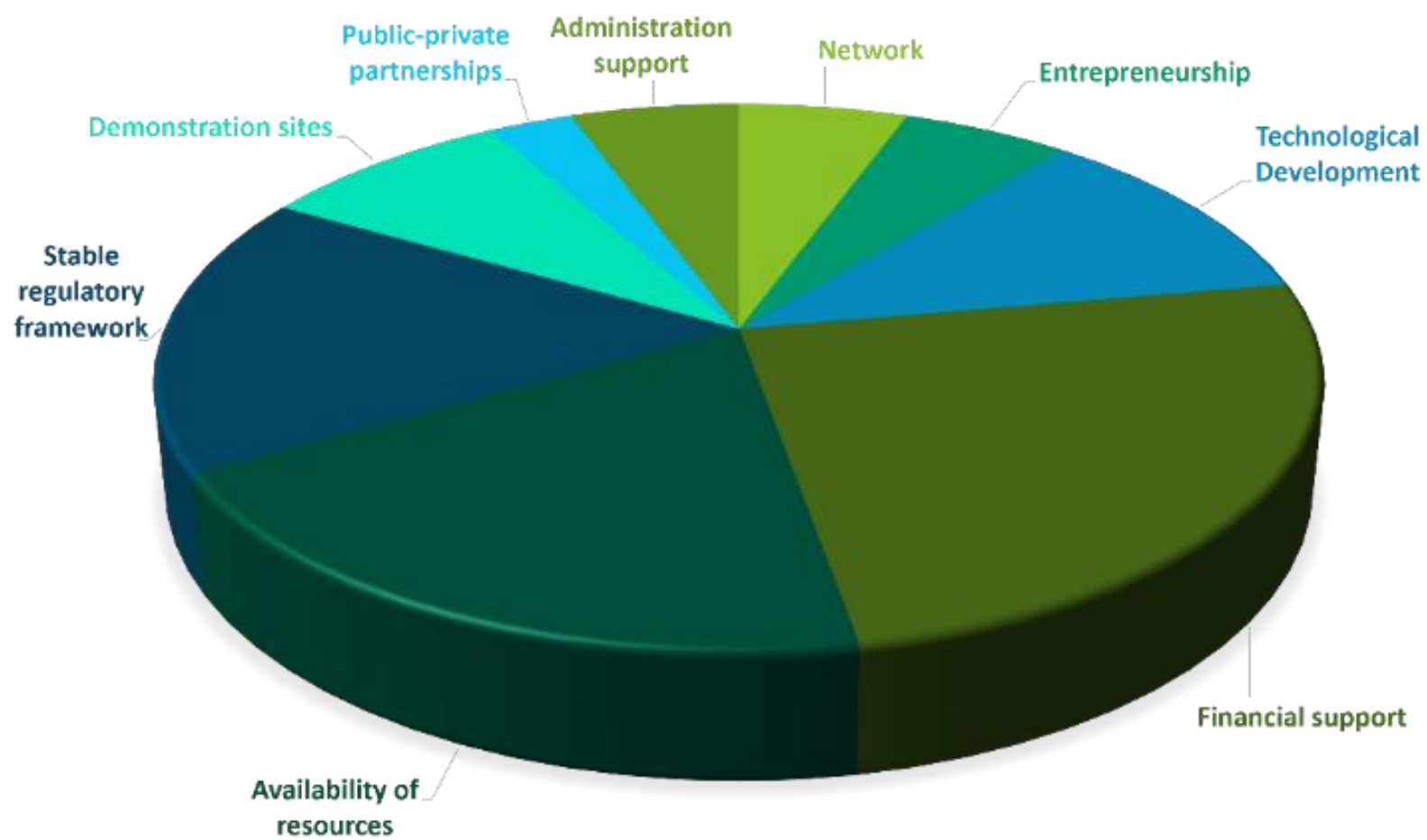


Regional **capacity building workshops** to provide coaching to the users

MainstreamBIO Policy Insights

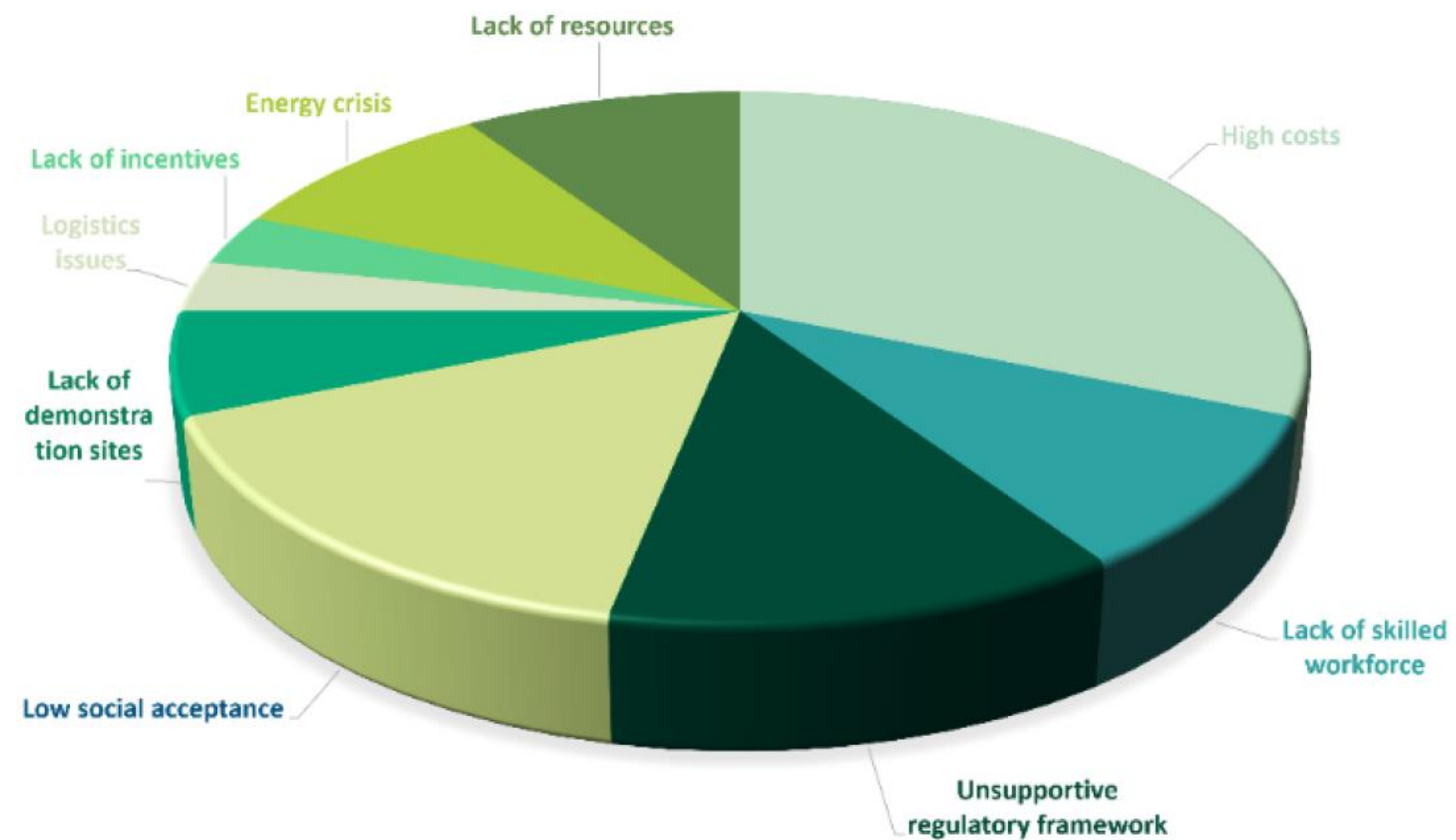
Enabling factors for bioeconomy development

Major need for **financial support, availability of resources** and **stable regulatory framework** !!



Hindering factors for bioeconomy development

High costs (both from farmers' & consumers' point), **public resistance** and **unsupportive regulatory framework** are the main barriers !!



MainstreamBIO Policy Insights

Priorities for bioeconomy development



Policy initiatives for bioeconomy development

- Unblocking **political initiatives**
- Extending **financial incentives** and **direct financial support**
- Extending **education and outreach** to relevant stakeholders
- **Raising awareness**, showing all the benefits of applications
- Promoting specific **tax reliefs** from the initial investments
- Targeted **initiatives to young people**
- Promoting **clear policy** on biobased products
- Facilitating **waste mobilization and valorisation**
- Initiating **certifications and standards** for a wide range of bio-based products
- Shielding **measures for SMEs and start-ups in the critical phases of their development**
- **Removing of bureaucratic barriers**
- Support **better cooperation** with the administration

Policy Insights for MainstreamBIO rural areas

Policy and governance barriers on bioeconomy development

Bulgaria	<ul style="list-style-type: none"> ● Lack of cooperation among key players of the value chain
Denmark	<ul style="list-style-type: none"> ● Many barriers including regulations ● Lack of policy incentives
Ireland	<ul style="list-style-type: none"> ● Absence of policy incentives
The Netherlands	<ul style="list-style-type: none"> ● Farmers are willing to innovative, but legislation is a barrier ● Lack of clear and consistent policy on biobased products ● Limited quality standards for biobased products in place ● National laws and regulations not tailored to local needs
Poland	<ul style="list-style-type: none"> ● Lack of stable regulation ● Ineffective cooperation with public administration ● Weak cooperation among key players of the value chain ● Lack of economic incentives
Spain	<ul style="list-style-type: none"> ● Lack of stable regulation ● Weak cooperation among key players of the value chain ● Ineffective cooperation with public administration
Sweden	<ul style="list-style-type: none"> ● Absence of policy incentives ● Strict regulation on feedstock and biobased commodities

Some of the targeted countries still **don't have dedicated bioeconomy strategies !!**



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