



I FORO DE BIOECONOMÍA DE CASTILLA Y LEÓN

27 y 28 de octubre de 2021. Soria



Financiación de la transición a la bioeconomía

ORGANIZA

competitividad
empresarial



COORDINA
Fundación Cesefor

COLABORA
Instituto Tecnológico Agrario de Castilla y León
Fundación Patrimonio Natural de Castilla y León
Ente Regional de la Energía de Castilla y León
Centro Tecnológico Cartif

Enfoque y oportunidades desde el
punto de vista del BEI

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Banco Europeo de Inversiones (BEI)



THE EIB GROUP - *The EIB bank*



- Natural financing arm for the EU since 1958
- Around 90 % of lending is within the EU
- Shareholders: 27 EU Member States
- **ca. EUR 70-80 bn p.a. commitments, 8-10 % of which to the Bioeconomy**
- **Since 2020 - EU Climate Bank: Investing in Europe's sustainable, climate neutral growth**

THE EIB GROUP: *The EU bank*

Contributing to Climate Bank Roadmap – Support to EU Green Deal

Figure 2.2 – The core themes of the European Green Deal



Give Priority and set enabling framework for:

Climate Change Mitigation & Adaptation :

- ✓ Improving irrigation infrastructure - Water efficiency;
- ✓ RDI: crop breeding; modern (bio)-pesticides; smart Agriculture.

Environment; Circular Economy and Fork to Farm:

- ✓ CE and resource and energy efficiency in agro-industry;
- ✓ Bio-materials replacing fossil;
- ✓ Reduced food wastes and compostable/recycled packaging;
- ✓ Organic and Integrated Farming.

Nature restitution and preservation, Biodiversity:

- ✓ Natural Capital Finance Facility;
- ✓ EIB - largest lender to the forestry sector.

Territorial Integration - not leaving anybody behind:

- ✓ Bioeconomy and enabling rural infrastructure projects.

Bioeconomy – EIB counterparts

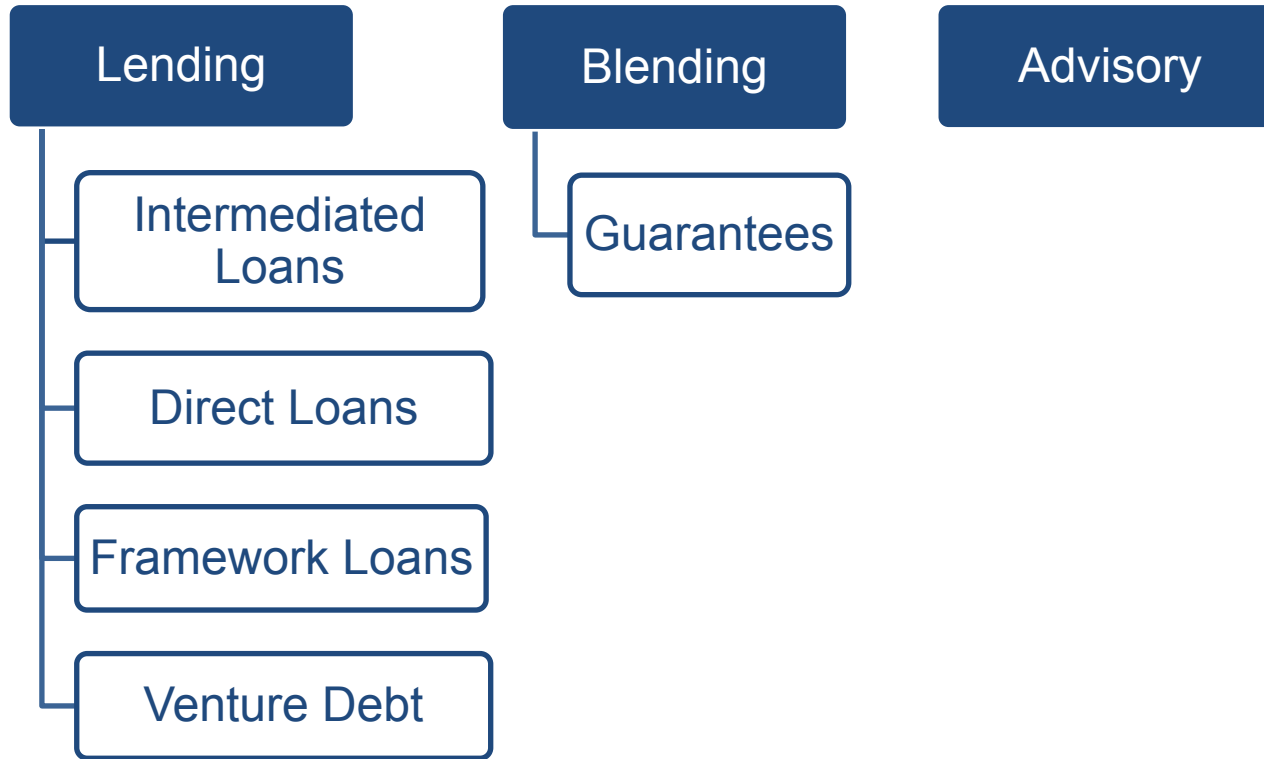
Unlocking production potential in a sustainable and resource-efficient manner



Counterparts/Beneficiaries/3rd parties:

- ✓ **Any economic actor along the agriculture and bioeconomy value chain:**
 - ✓ Farmers, fishers, foresters and SMEs
 - ✓ Cooperatives
 - ✓ Agribusiness
 - ✓ Corporates active in bioeconomy up and down stream value chains
- ✓ **Public Sector Institutions**

EIB Group products



EIB lending to agri-bioeconomy 2016-2020

Split by type of operation



- ✓ Approx. 70-80% % of total bioeconomy lending to SME through intermediated products
- ✓ Climate Finance in EIB direct lending to bioeconomy: 43 % in 2017, 46 % in 2018, 50 % in 2019 and 61% in 2020

Note: EIF agricultural mandates amount to and additional ~EUR 2.5 bn of targeted Agri/Bioeconomy SME financing across EU countries.

Support to Circular Models in Agriculture Value Chains:

Greenfield biogas plant in southern Denmark:

- ✓ Agricultural feedstock: Manure + limited lignocellulosic crops
- ✓ Production of 31 m nm³ **natural gas** and 800 kt pa of **fertilizer [digestate]**
- ✓ **EUR 93 m of project investments**
- ✓ EUR 32.5 m financed by EIB for up to 12 years project finance loan maturity
- ✓ Project Finance Operation under EFSI
- ✓ Project objectives: RE + Environmental Protection

Corporate RDI & XYLITOL FACTORY - Finland

Promoter – large cap family company Fazer, active in flower milling, bakery, confectionary and new lifestyle foods in the Nordic EU countries

EIB support to RDI activities in

- ✓ Bakery; Confectionary; new lifestyle foods
- ✓ Industrial upscale of company RDI: greenfield factory for production of Xylitol from oats hull

Project cost total: EUR 86.6 (aprox. 50% RDI)

EIB Loan: EUR 20 m



EIB Direct financing to forestry sector - Value chain approach

Total EIB lending 2016-2020: ca. EUR 8bn



Primary sector: SFM, Biodiversity & Ecosystems

1. EIB Objectives: Sustainable Natural resources (SNR);
2. CAES: Climate Mitigation, Adaptation, Biodiversity if SFM principles applied;
3. Examples: RDP co-financing, Spain – Forest fire prevention/mitigation, Coillte Ireland– reforestation; NCCF operations;

Forest-based industries (Circular/Bioeconomy)

4. EIB Objectives: SNR, RE, EE, RDI;
5. CAES: Climate Mitigation, Circular economy, Pollution prevention, Water – feedstock sustainability RED II Art.29 requirements; EU Timber Regulation;
6. Example: Figueira Mill Environmental Upgrade - Portugal. Biofuel from Forest Residues – Finland;

Excluded:

Conversion of natural forests to plantation, Destruction of Critical Habitat, Extensive monoculture plantations, Conversion of drylands to irrigated forest plantations. Use of feedstock for bioenergy and biomaterials that can serve as food and feed.

Framework Loan for irrigation infrastructure: National Irrigation Program of Portugal (PNR 2020)

Investment cost: EUR 535.7 m

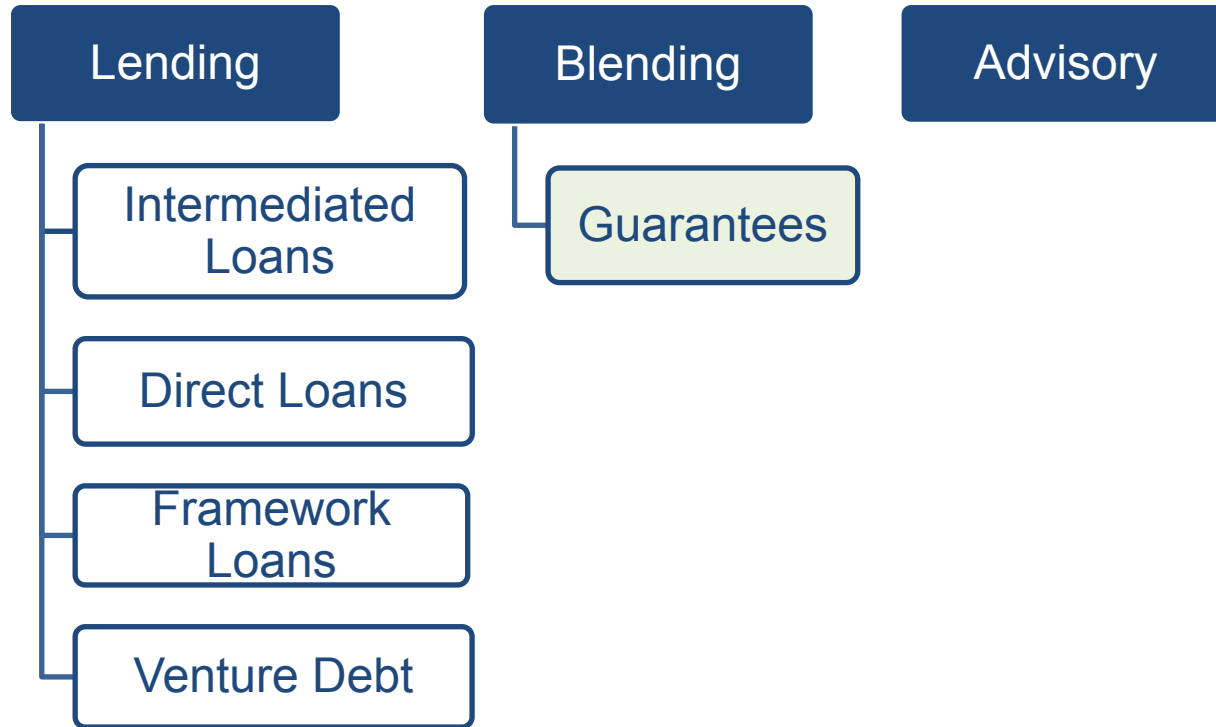
Area covered = 111.500 ha

EIB loans: EUR 200 m

- Financed in parallel by the Portugal Rural Development Funds and CBE
- Projects aim to support efficient and sustainable use of existing water resources eg. through rehabilitation and modernization of irrigation schemes
 - ✓ Reducing water losses, increasing and diversifying agricultural production
 - ✓ RE for operating pumps
 - ✓ Fully pressurized systems with water availability 24/7 at hydrant
 - ✓ Possibility to invest in Smart Irrigation technologies
- Allocations of funds will be managed using adapted RDP procedures

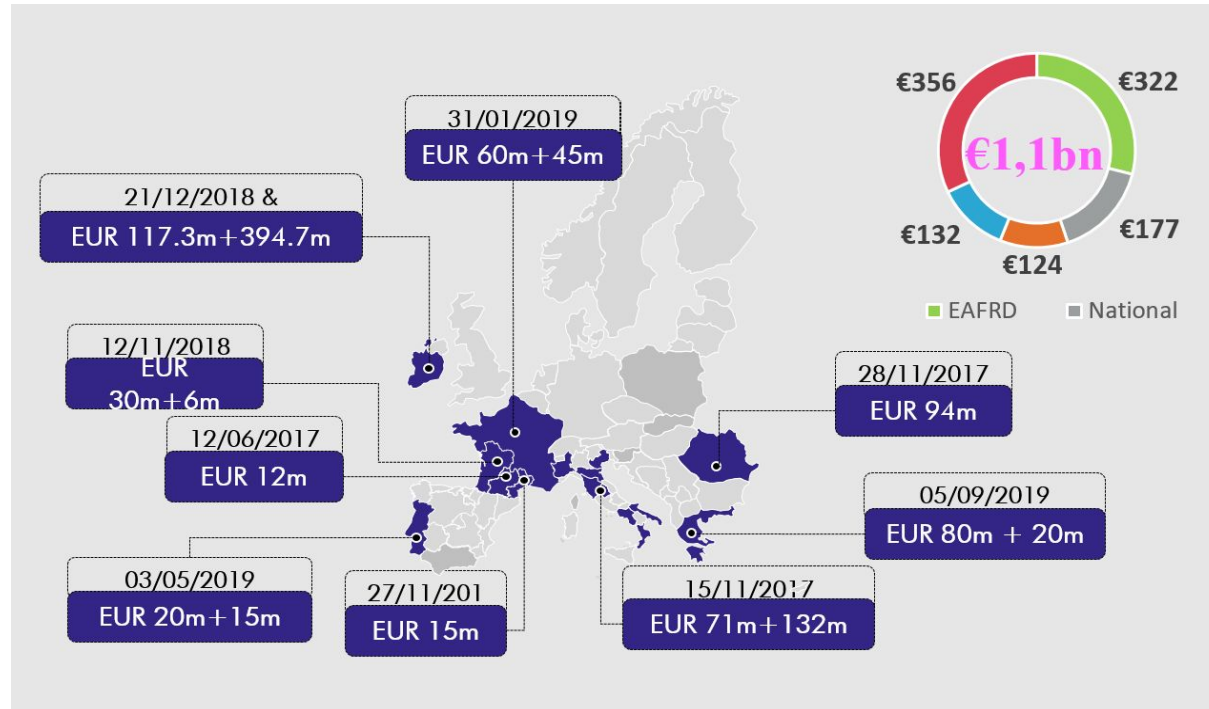


EIB Group products



European Investment Fund (EIF) Financial Instruments (FI) in agriculture

EAFRD/national mandates and pipeline – update Q2 2021



EIB Lending to Bioeconomy: Outlook/Challenges:

- The EIB Group supports the EC policies through financial products (lending and blending) other than the traditional grant funding
- **Sector dominated by SME + Cooperatives + MidCap + smaller corporates:**
 - ✓ **Tailor-made, flexible product portfolio.**
 - ✓ **Enhance lending through of BLENDING with EAFRD; RRF and Invest EU.**
 - ✓ **Role-out/scale-up/replication of innovative products; e.g.:**
 - European Circular Bioeconomy Fund;
 - Financial Instruments / EFSI-EAFRD blended guarantees;
 - INVESTEU Thematic Platforms;
 - Dedicated Programme loans under Invest EU.
- ✓ **Promote Green Deal Objectives through CA and ES as well as not letting anybody behind in rural areas.**

¡Gracias!

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