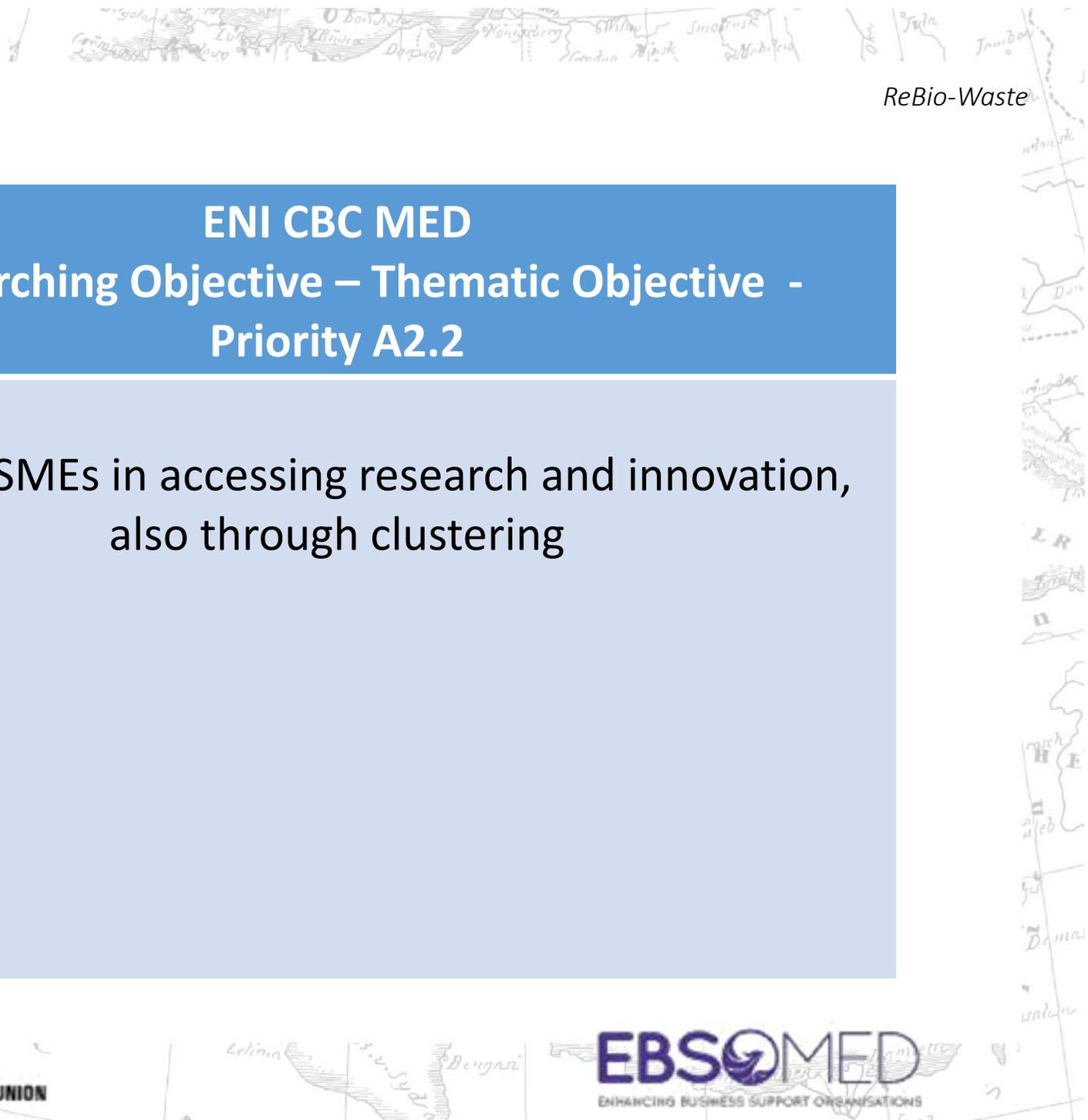


ReBio-Waste

Technological Recovery of bioproducts and bioenergy from agrifood waste



ENI CBC MED Overarching Objective – Thematic Objective - Priority A2.2

Support SMEs in accessing research and innovation,
also through clustering

Impact (Overall objective)

The overall objective is to support SMEs for using innovative technologies in waste management for recovering bioenergy and bioproducts

Relevance/situation analysis

- Presence of many SMEs working in agri-food sector in participating countries;
- Agri-food SMEs produce liquid and solid wastes
- No treatment or not appropriate treatment of waste imply negative impact on the environment;
- SMEs need technological knowledge and financial support schemes for innovating waste management;
- Difficulties in creating network among academic institutions, SMEs, and technological provider companies;

Outcomes (Specific objective)

- To transform the waste into a resource using innovative technologies;
- To preserve environment from the damage caused by agri-food waste;
- Saving energy and virgin materials;

Outputs (expected results)

1. Creation of thematic clusters
2. Supporting services to SMEs: innovation vouchers and training events
3. Pilot projects on waste treatment produced in agri-food SMEs;

Activities

1- Output Creation of thematic clusters

1.1 analysis of the state of the art and SWOT analysis of waste management in agri-food sector (kind of waste, production amount, localization, innovation needs, major constrains)

1.2 study of the legal waste management framework in the involved regions (rules, regulations, environmental legislation, limits)

1.3 analysis of the state of the art and SWOT analysis of innovative technologies for waste management in agri-food sector

1.4 matching between the demand and offer through the identification/creation of thematic clusters

Activities

2 – Output Supporting services

2.1 Creation of a web platform supporting clusters (e-learning, networking, best practice, action plans, etc.)

2.2 Training courses to technology providers, SMEs, local authorities

2.3 identification of the available financial instruments (local, national and international) for SMEs to access grants to favour their innovation;

2.4 innovation vouchers for technical equipments to be provided to SMEs;

Activities

3– Output Pilot projects on waste treatment produced in agri-food SMEs;

3.1 research activities for the definition of the most appropriate scheme and technology for each pilot waste treatment plants

3.2 project and construction of 6 pilot plants (Italy, Lebanon, Spain, Marocco, Palestine, Tunisia)

3.3 launching of the pilot plants (on site training, start up test, monitoring of the performance)

Potential partners

Lead partner: Chamber of commerce of Beirut (LEB)

P1: Chamber of commerce of Seville (ES)

P2: Chamber of commerce of Capbon (TUN)

P3: Chamber of commerce of Tunis (TUN)

P4: Chamber of commerce of Fes (MAROCCO)

P5: Chamber of commerce of Cagliari (IT)

P6: Higher Council for Innovation (PALESTINE)

P7: University of Fes (MAROCCO)

P8: University of Sfax (TUN)

P9: University of Cagliari (IT)

P10: Greek Chamber of Commerce (GR)



Relevant stakeholders

- Agrifood companies and their associations
- Universities and research institutions
- National organisations representing professional companies
- Waste management companies
- Energy and environmental companies

Final beneficiaries

- Agrifood companies
- Potential buyers of the bioproducts
- Citizens

WP Structure

- WP 1 Management and coordination
- WP 2 Communication and visibility, including Transferability
- WP 3 State of the art and SWOT analysis
- WP 4 Training courses and support services
- WP 5 Development of pilot projects

Provisional budget

Staff: 1,94 millions euros
Travels: 0,25 millions euros
Equipment: 6 Pilot projects: 1,8 millions euros
Subcontractors: 0,79 millions euros
Other costs: 0,66 millions euros

Total direct costs: 5,44 millions euros