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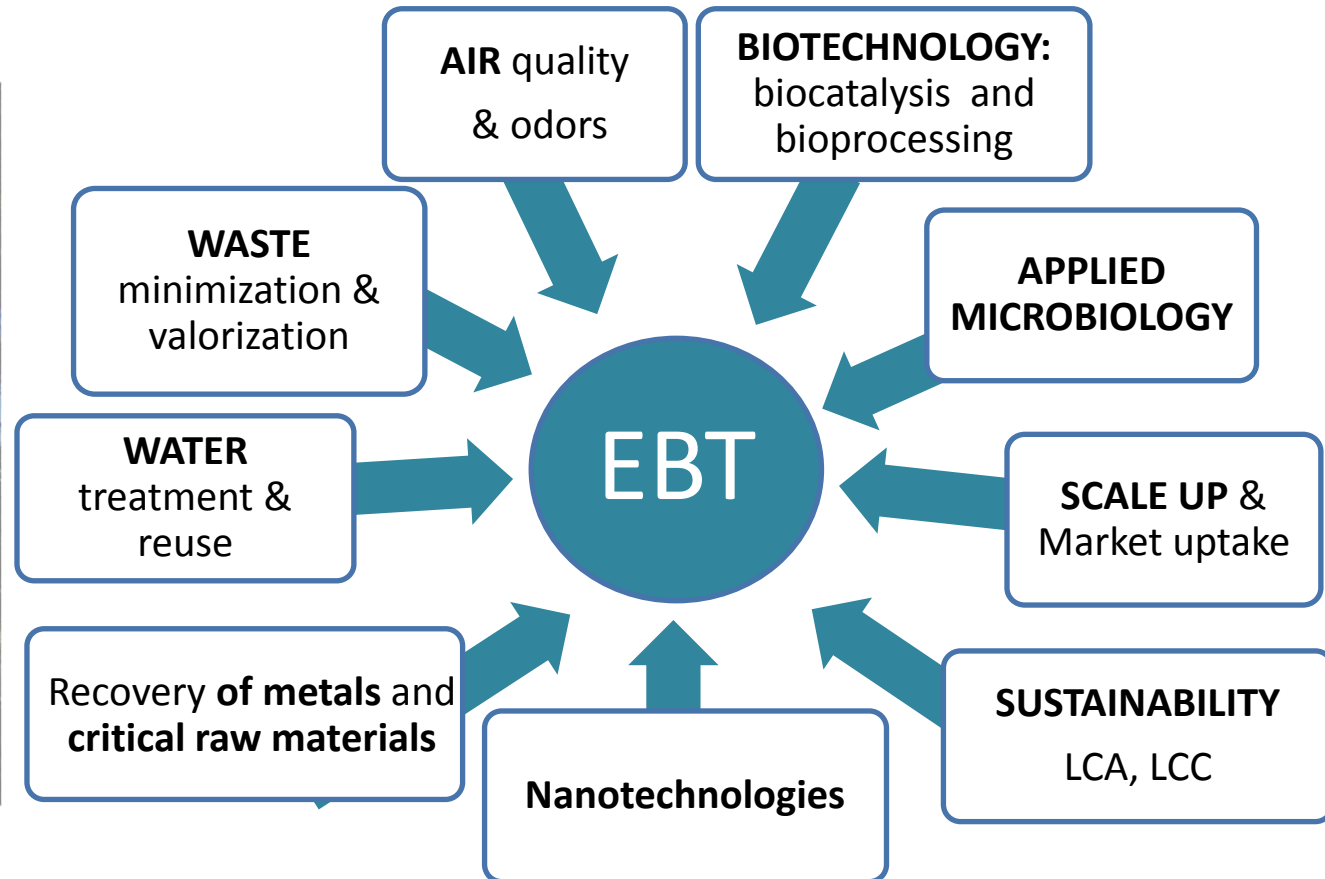
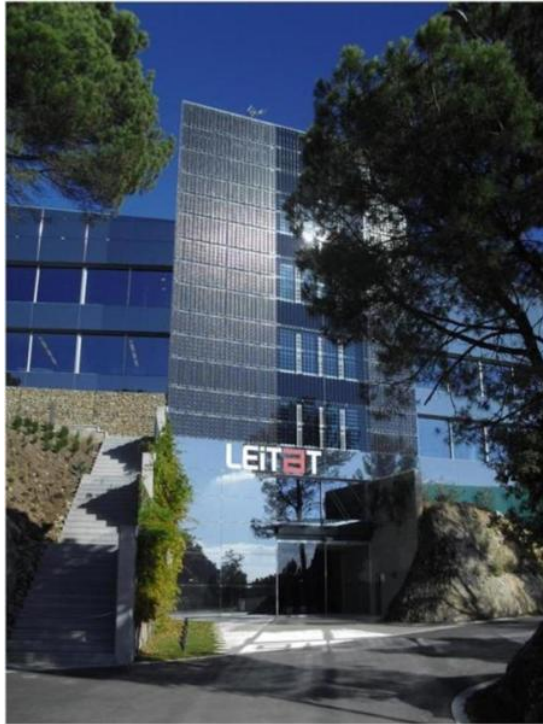
Infoday on 2015 calls – H2020 SC5
WASTE 7

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ENVIRONMENTAL AND BIO TECHNOLOGIES COMPETENCES



WASTE 7 – CONCEPT IDEA



What we know ?

Quantification & availability of wastes

SoA of current technologies, management and disposal routes

What does Europe need?

Sustainable use of wastes from farming to processing sectors

New technological solutions, innovative approaches and value chains

New products from crop co-products/by-products/waste and manure/effluents

How?

RESEARCH, INNOVATION and DEMONSTRATION of new solutions by sector-specific case studies



PROJECT OBJECTIVES

Demonstrate **innovative technological solutions** at regional scale aiming to **overcome current technological limitations** in waste valorisation and **to create new value chains and products** for the development of new opportunities for SMEs and a new green industry in Europe.

5 CASE STUDIES

- | | |
|--|--|
| 1 - Bioenergy: | Biogas, Biomethanation and/or Pyrolysis for liquid fuels |
| 2 - Bioproducts for agriculture: | Soil improvers (digestate, compost and/or biochar for soil amendment, biofertilizers & biopesticides, attractants for pest management and/or irrigation water from liquid effluents/manure |
| 3 - Bioproducts for cosmetics: | Bioactive peptides from vegetable sources |
| 4 - Functional food/feed ingredients: | Polyphenol, fibers, sugars and/or proteins |
| 5 – Other Green Chemicals: | Cellulose, VFA and derivatives for chemical industry and/or biopolymers |

Definition of European Scenarios

- ➔ **Scenarios** will be based on **European regions** including specific manure and agro-food management requirements extrapollable to other European Regions
- ➔ **Scenarios** will be **defined** according to the **origin of companies** (SMEs and Large) and **RTD institutions**



PARTNERS ROLE AND PROFILE

TECHNOLOGIES SELECTION FOR DEMO BASED ON:

- ➔ **Market impact: Profitability** of advanced products and local/regional **demand**
- ➔ **Investment** and **O+M cost** of selected technologies: Performance indicators
- ➔ **Zero Waste approach** and odour Emission
- ➔ **Environmental impact analysis**

- **Large and SME industries**: Chemical industry, Biofertilizers, Biopesticides, Bioenergy (Biogas and pyrolysis). Companies for technological development and integration
- **RTDs**: R+D in technological solutions related to 5 case studies
- European, Regional/national **Agrarian cooperatives** and **administration**, farming and livestock cooperatives

- ➔ *Previous Experience in European and national projects related to mentioned case studies and developments is relevant*

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Thanks for your attention

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