The development of a regional biobased economy: succeeding through cooperation

19/02/2018

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Introduction

Regional development is the result of a prolonged inter-play between:

- ➢ policies : EU level
- challenges and opportunities to industry and businesses
- supported by research
- supported by public funding



Short overview

Challenge 1: biofuels and quota

➤ the Rodenhuizedok Biorefenery cluster

Biobased Cluster in East Flanders : Gent region : an eco-system

Challenge 2: biobased economy

- Regional driver PPP : GBEV
- Biobased Europe Pilot Plant and ERDF Funding





Challenge 1: Biofuel production and quota

2005: Public – private partnership : Ghent Bioenergy Valley



- and companies
- Political nature : 80% of the Flemish quotum for biofuels in October 2006,
- Investment : 120 M. Euro



RODENHUIZEDOK BIOREFINERY CLUSTER



The largest integrated production site for bio-energy in Europe:

- Alco Biofuel:
- Bioro:
- Electrabel:
- Eurosilo:

220 000 m³ bio-ethanol

- 350 000 ton biodiesel
 - 240 MW bio-electricity

650 000 tons storage capacity





International attention



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Biobased Cluster in East Flanders : Ghent region



Challenge 2: EU policy on biobased economy

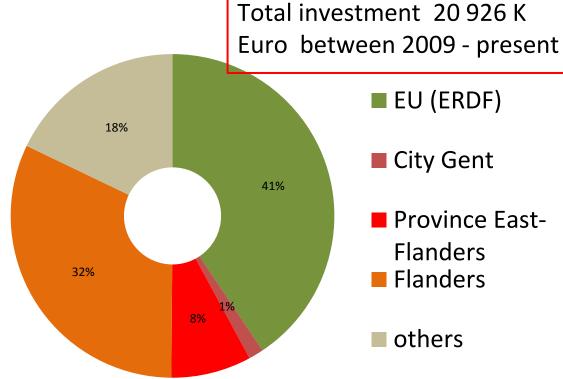
- 2002: Life Sciences and Biotechnology Life Sciences and Biotechnology A Strategy for Europe A Strategy for Europe Biotechnology has the potential to improve non-food uses of crops as sources of industrial feedstocks or new materials such as biodegradable plastics.
 2007-2011: Lead Market Initiative Bio-based products as one of its six key sectors to encourage the market uptake of new products and services
 2012: European Strategy and Action Plan towards a sustainable biobased economy by 2020
- **2008** : GBEV and Biopark Terneuzen initiate Biobase Europe project
- **2010** : Biobase Europe Pilot Plant operational





Role of European Regional Development Fund







Where to go? Gasification of (bio-)waste





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Thank you for your attention



