

Bringing added value to agriculture and forest sectors by closing the research and innovation divide

Cooperation through a H2020 Consortium

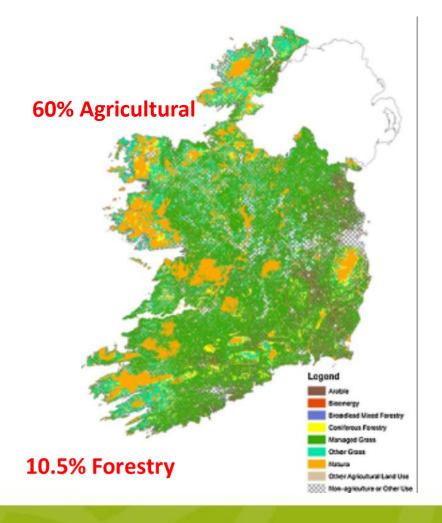
BioEast Conference, OMEK, Budapest 20th Sept 2017

IT Tralee | James Gaffey | James. Gaffey @staff.ittralee.ie | +353 (0)66 714 4253



Irish Hub Region and Network

- 2016 Model Demonstrator Region
 - National Bioeconomy Campus
- 2016 Irish Bioeconomy Foundation
- 2017 National Bioeconomy Consultation
- Innovative research community and strong agri-food and pharma sectors
- 2nd highest percentage of land devoted to agriculture
- Growing Forestry Sector













Irish Industry - Opportunity Landscape



- Where scale exists
 - Existing Scale Dairy, food, brewing sectors ✓
 - Secure Supply of biomass√
 - R&D Capacity√ e.g. BBI
- Opportunities
 - Process Development
 - Industrial Symbiosis
 - Joint Ventures e.g. Reverdia







Challenge: Bringing biobased economy to rural regions



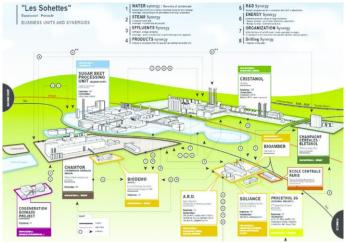








2. As a Biorefinery Cooperative e.g. Pomacle Bazancourt, France. "Industrial Symbiosis"

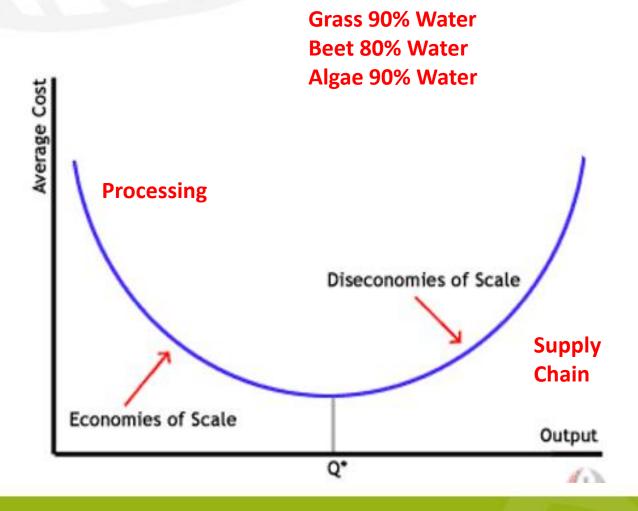






Diseconomies of Scale – A new opportunity?





Perspective



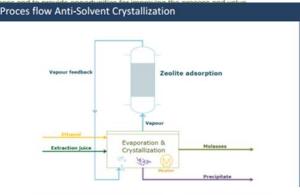
Opportunities for small-scale biorefinery for production of sugar and ethanol in the Netherlands

Ruben C. Kolfschoten, Marieke E. Bruins and Johan P.M. Sanders, Agrotechnology and Food Sciences, Wageningen UR, the Netherlands

Received September 30, 2013; revised March 3, 2014, and accepted March 4, 2014 View online at Wiley Online Library (wileyonlinelibrary.com); DOI: 10.1002/bbb.1487; Biotuels, Bioprod, Bioref. (2014)

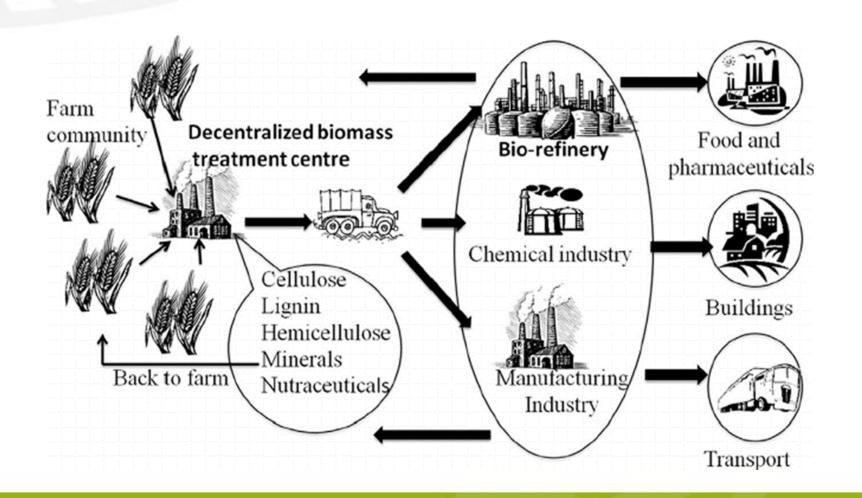
Abstract: Developments such as the Common Agricultural Policy reform, growth of the bio-based economy, increasing energy prices, increasing sustainability demands, and expected growth of global sugar demand change the environment in which the sugar producing industry operates. In order to remain competitive and profit from this, the traditional large-scale sugar producing industry can adapt. The aim of this study was to address sustainability and energy issues of the tradi-





Decentralized/Small-Scale Biorefineries





"Reducing CAPEX and transport costs"

"Keep nutrients on the land"

"Rural Innovation and Regeneration"

"Upskilling and creating new jobs"

Irish Inter-hub Biobased Mission – Feb 2018





Location: WUR Biobased Innovation Centre, Wageningen, Netherlands

Date: 14th-15th Feb 2018



Thank you!

Email: <u>james.gaffey@staff.ittralee.ie</u>

Phone: +353 (0)66 714 4253

Mobile: +353 (0)86 154 4407

Website: www.agriforvalor.eu

Facebook: https://www.facebook.com/agriforvalor

Twitter: @AgriForValor

IT Tralee | James Gaffey | James. Gaffey @staff.ittralee.ie | +353 (0)66 714 4253



