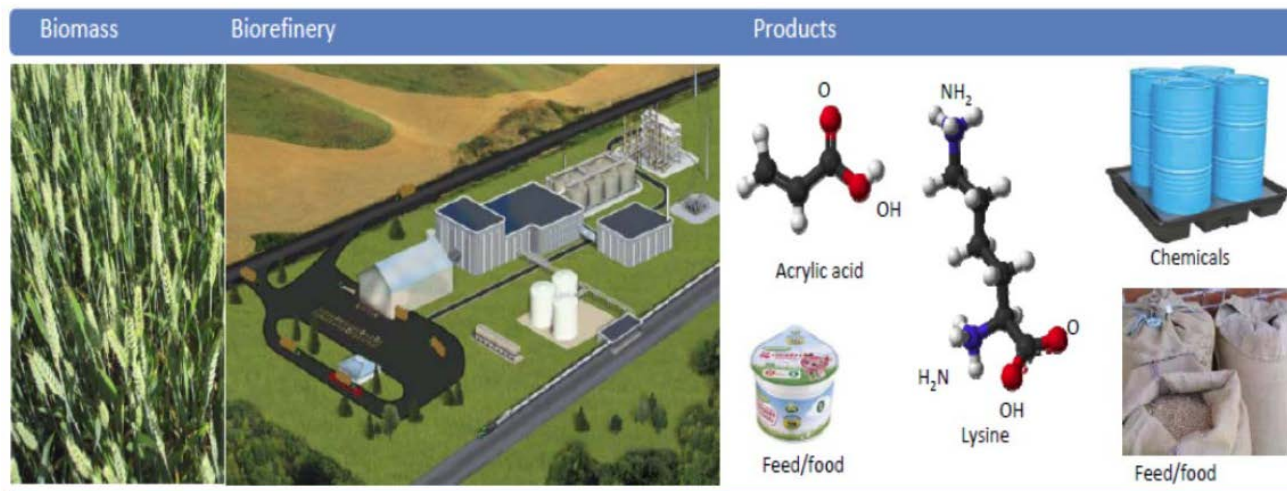


BIOVALUE SPIR

A Strategic Platform for Innovation and Research on Value-added products from Biomass (BIO-VALUE SPIR)

Platform manager Jane Lindedam, lindedam@biovalue.dk
www.biovalue.dk





Facts

- Largest strategic initiative on biorefining in Denmark
- Vision: That Danish companies and research institutions are global technology leaders in conversion of biomass into commercially competitive and sustainable products
- July 2013 - July 2018
- Budget: €21 million (€ 1,5 million dedicated to innovation projects)
- Funded by Innovation Fund Denmark (50%) and the partners (50%)
- Currently 18 PhD students and 5 Postdocs, total approx. 100 people
- **Partners**
 - 4 Universities, 11 Companies, 1 GTS, 1 Innovation network

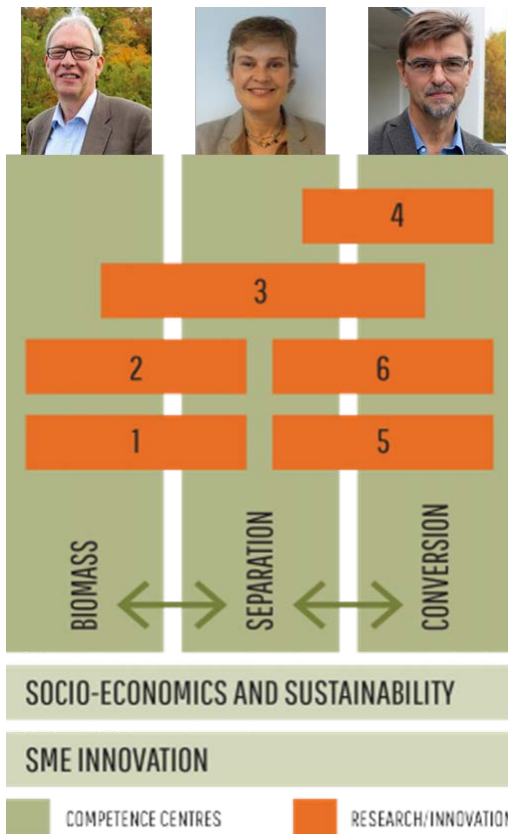




Strategy and structure

Target the entire value chain

Conversion of all components into value-added products:



Six research and innovation projects:

1. Innovative biomass production systems
2. Products from green biomass
3. Sugar platform
4. Lysine from 2G biomass
5. Catalytic conversion of carbohydrates
6. Products from lignin

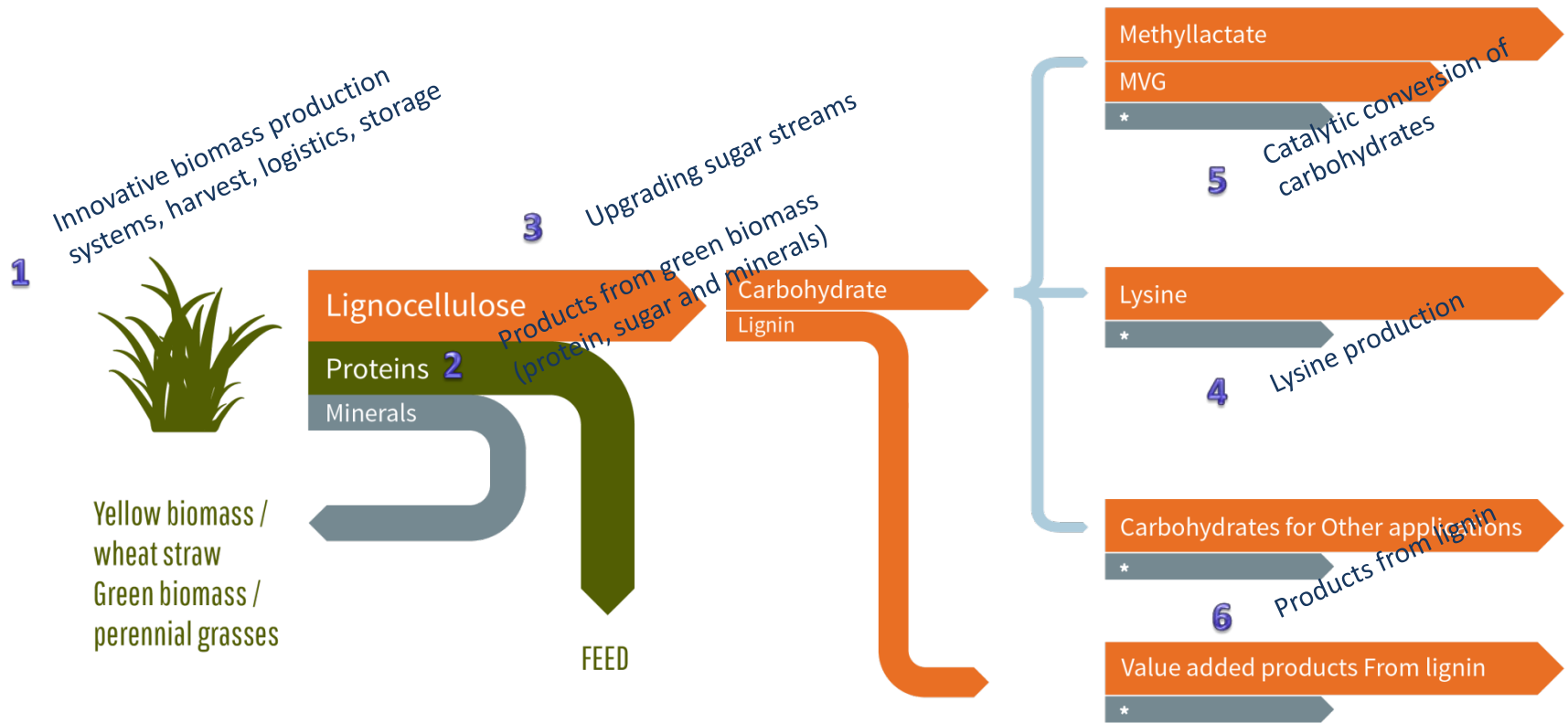
3 Competence centers: Biomass, Separation, Conversion

Cross-linking projects for: Socio-economics, sustainability and ethics



Objectives

- Deliver novel knowledge based on scientific excellence
- Demonstrate large-scale upgrading of biomass
- Develop core technologies



* other biomass derived intermediates for further refining or energy



Consortium learnings midway

Structures should support

- vertical/theme-based research and innovation within projects where activities focus on core industry interests
- Horizontal/ whole value chain perspectives to lift a societal challenge like biorefinery
- Flexibility
 - Reserve pool for innovation between projects as partnership matures and knowledge base increases
 - New partners e.g. focus on reaching technology providers and new end-users to generate market pull.
- Take in to account that biorefining is emerging industry



Your use of BioValue

- BioValue is
 - Complex but with well-defined partner skills
 - High industry participation
 - open for knowledge exchange on innovative biomasse, protein/fibre/XOS from green biomass, optimized separation of sugars, bacterial engineering to produce lysine, catalytic conversion of carbohydrates and lignin conversion, socioeconomic and sustainability modeling. Co-funded innovation projects
 - Looking to proceed with partnerships after 2018



Thank you for your attention

