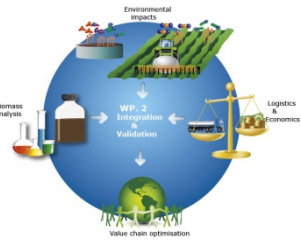
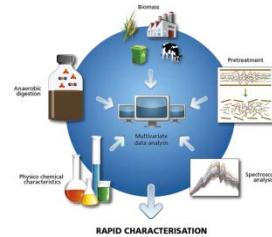




biochain



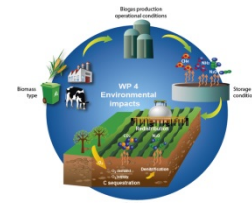
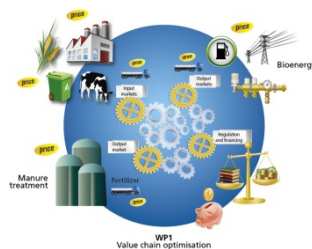
Development of one model



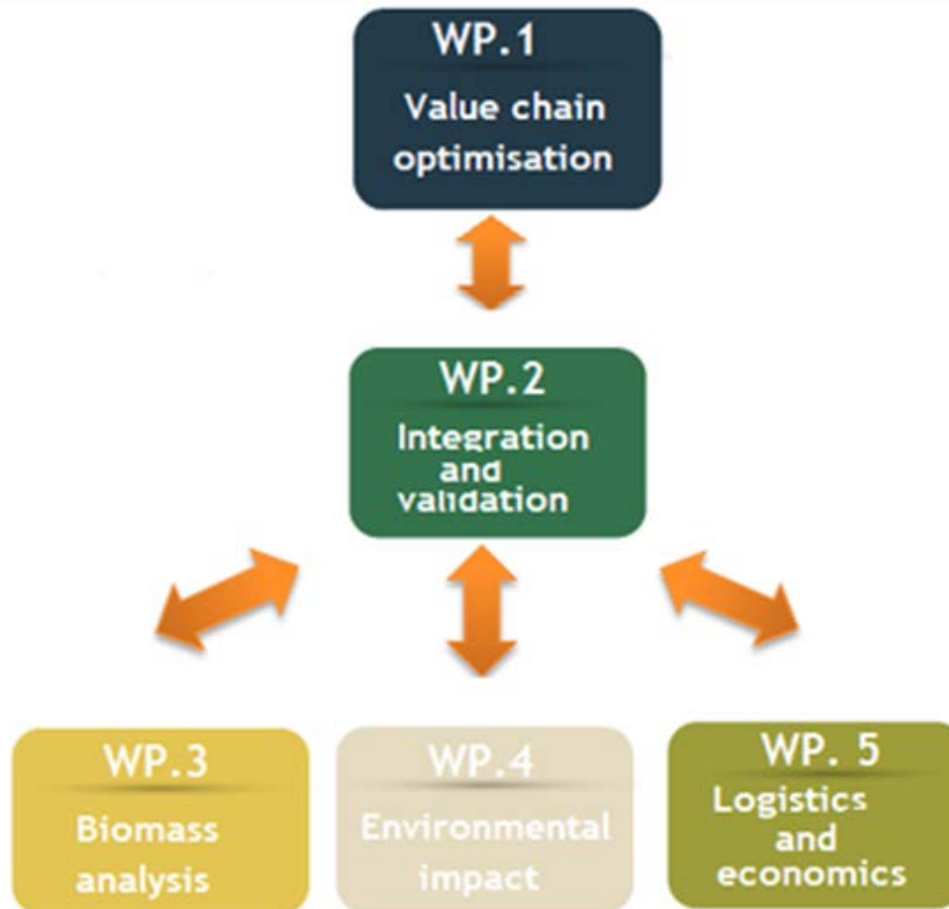
Henrik Klinge Jacobsen-DTU-management

&

Sven G. Sommer SDU-Biotechnology



Model integration



Flexibility

- The nature of research is to create new knowledge, therefore, information needed and available change during the project
- Flexibility in WP planning from each participant is required. Each WP should ensure that there is some flexibility with regard to the exchange of data.
- Model development will lead to new data requirements along the way and these adjustments should be possible

Contacts regarding data

- Notify the partners that are expected to provide input to your WP about expected timing and extent of work/data.
- Make clear if this involves verification/modification of data in several rounds
- Inform about the format of data

Data availability

- Provide as early as possible information about the structure of models and expected outputs to make planning for other WPs easy.
- Be flexible as allow all PhD students access to data and key people at your institution through direct contacts – facilitate the contacts if that helps
- Help colleagues with contacts from where needed data may be available

Overview and communication of idea

Example from WP1

- Master project: Well planned MSc projects can at an early stage contribute with small scale examples of the structure of plant level model
- Intention is to give partners an opportunity to comment at an early stage on the intended coverage and principal flexibilities of the model.

Meeting industrial partners

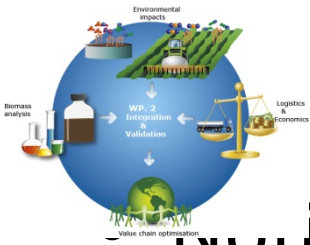
- Organise meetings
- Each WP leader during spring 2014
- End user interests
- Information
- Knowledge

- Etc.

Joint project activities

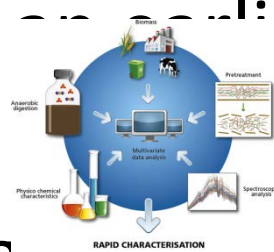
- Visit at a very early stage our industrial partners.
- Describe the whole production and value chain.
- Take samples of biomass throughout the production chain: collection/harvest, biogas production, end use of gas and residues.
- Collect information about operational cost, investment, labour, transport etc.
- Carry out model calculations for energy, economy, environmental effects etc.
- Have as goal to disseminate the outcome together

How important do you see these elements?:



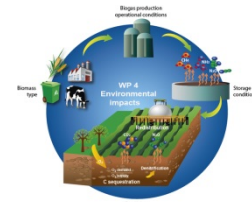
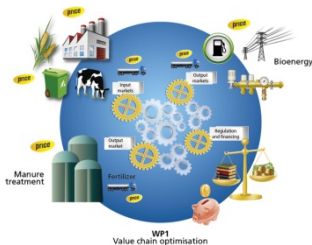
Identify the partners.

- Flexibility: The partners may need information/data at an earlier stage than planned



- Be flexible knowledge change over time and models evolves.

- Inform about models at early stage



How important do you see these elements?:

- Notify the partners early
- Flexibility: The partners may need information/data at an earlier stage than planned
- Be flexible - knowledge change over time and models evolves.
- Inform about models at early stage

