



**Biobased economy in the agri-food sector**

Introduction of the Minor BBE – MN3404

Carol van Helmond

2016



# Focus in this HAS minor

Biobased economy (BBE)  
in the agri-food sector

# General course information

- 3th year Minor
- 2016: From 29th August – 11th November 2016
- 10 weeks full time
- 15 credits
- Examination: In subgroups and individual

# Main learning goals

- Gain insight in the relationship between the BBE and circular economy, and therefore with a sustainable society
- Understand the impact of development of a BBE on the agri-food sector and vice versa
- Gain knowledge on the aspects of biobased production chains, in particular in the agri-food chain
- Gain insight in biorefinery of various types of biomass and in production processes of biobased products and materials
- Develop a vision on the combined production of food, feed, fuel and biobased products
- Can conduct a stakeholder analysis within biobased production chains
- Gain knowledge of (new) business models fitting in biobased production chains in the agri-food sector
- Can translate sustainable ambitions of entrepreneurs into concrete, workable biobased applications
- Can make a professional contribution to a multi-disciplinary group, on the basis of own talents and study program-specific competencies

# Theme's within the minor

1. What is biobased economy?
2. Biobased economy in practice
3. Biobased economics
4. Biobased transition

# Minor team



**Carol van Helmond (TB):** *Module Coordinator / PO*  
Biobased transition



**Mieke van Eerten (IFA)**  
Biobased Economy



**Angelique Arts (TA)**  
Biobased Economy



**Rob Bakker (MK):** *PO*  
Biobased economy in practice

# Minor team



**Annette van Kooten (VM)**

Biobased economy in practice



**Gert-Jan van Delft (MK)**

Biobased economics / Biobased transition



**Joris van de Loo (BA): PO**

Biobased economics

# What's (not) in the minor?

- Not: The 'classic' assignment by one client, but ...
- ... a 'new' method for project management: SCRUM
- Theme related short 'sprints' (= projects)
- Gathering and sharing knowledge by:
  - (Guest) lectures
  - Workshops
  - Practicals
  - Excursions, incl. movie
  - Teamwork
  - Cooperation with stakeholders



# Working method SCRUM

- = project management method
- Not a linear process, but in short cycles (sprints)
- Typical vocabulary:
  - E.g sprints, Product Owner (PO), stand-up, release

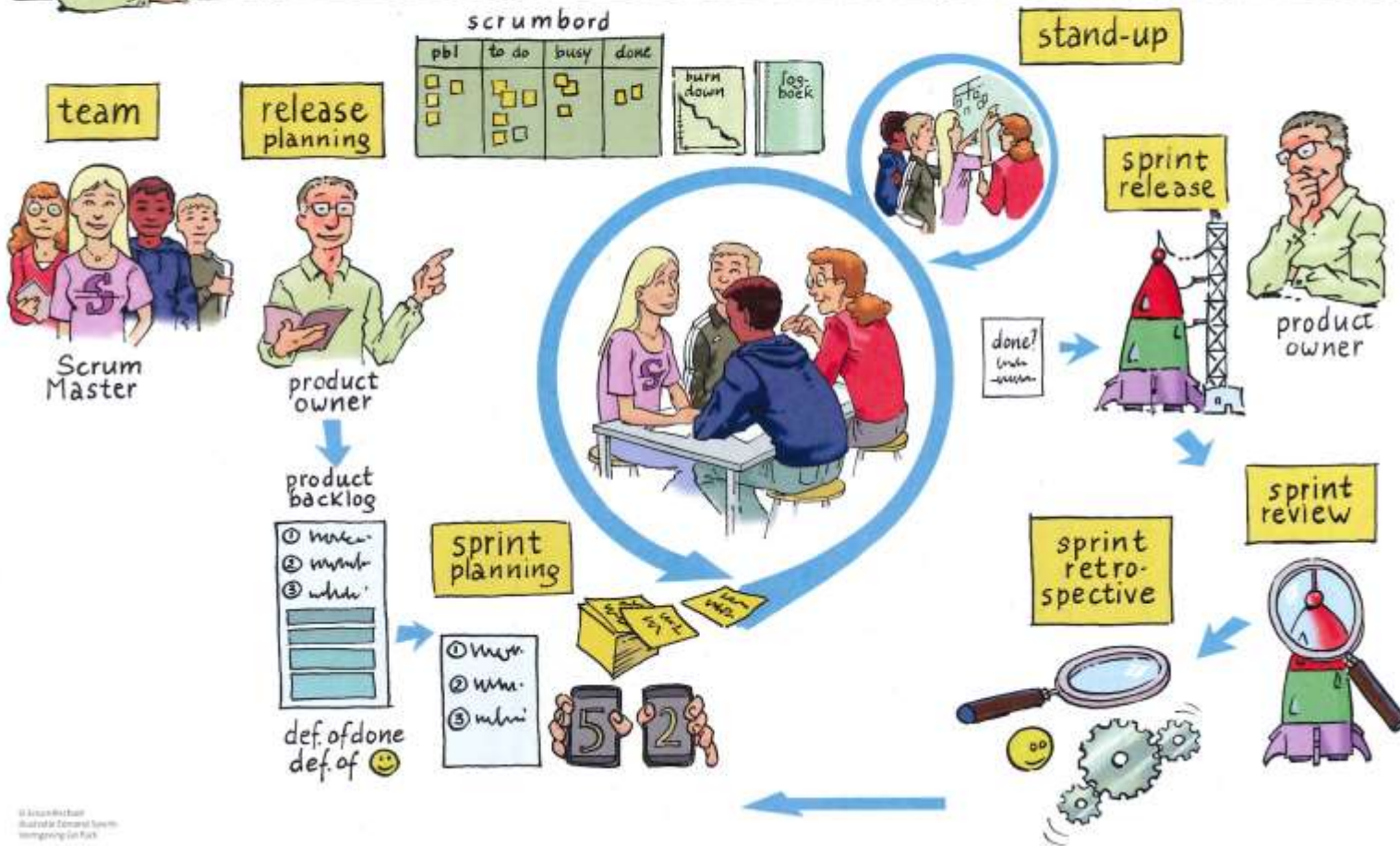
# SCRUM



Super Scrum Master



Scrum School  
 Scrum Master Certified  
 Product Owner Certified  
 Scrum Master



# Programme

Week	Topic description
1	<b>Introduction of module: BBE content and SCRUM-method</b> <ul style="list-style-type: none"><li>• Intro lectures:<ul style="list-style-type: none"><li>• Set up of the Minor</li><li>• SCRUM-method</li><li>• BBE content</li></ul></li><li>• Excursion</li><li>• SCRUM practice, incl. 1th assignment</li></ul>
2+3	<b>Theme 1: Biobased economy</b> <ul style="list-style-type: none"><li>• Intro lecture</li><li>• SCRUM: Sprint 1</li><li>• (Guest) lectures</li></ul>
4+5	<b>Theme 2: Biobased economy in practice</b> <ul style="list-style-type: none"><li>• Intro lecture</li><li>• SCRUM: Sprint 2</li><li>• (Guest) lectures</li><li>• Practicals (6)</li></ul>

# Programme

Week	Topic description
6+7	<b>Theme 3: Biobased economics</b> <ul style="list-style-type: none"><li>• Intro lecture</li><li>• SCRUM: Sprint 3</li><li>• Movie</li><li>• Canvas modelling</li></ul>
8+9	<b>Theme 4: Biobased transition</b> <ul style="list-style-type: none"><li>• Intro lecture</li><li>• SCRUM: Sprint 4</li><li>• (Guest) lectures</li><li>• Role play</li><li>• Scenario thinking</li><li>• (1 week holiday in between)</li></ul>
10	<b>Overview + assessments</b> <ul style="list-style-type: none"><li>• Lecture: overview all theme's</li><li>• Personal assessments</li></ul>

# Portfolio + personal reflection

- Portfolio
  - information gathered during the SCRUM sprints
  - See Study manual
- Personal reflection
  - SMART personal learning goal (related to the Theme's)
  - reflection report using the STARR method.

# Examination

1. Individual assessment (70%)
  - Oral exam
  - Open book (portfolio)
  - Pass/Fail
  - Minimum grade 5,5
  - Re-sit week 10 of Term 2
2. Group results (30%)
  - Differentiation by peer review
  - Pass/Fail per Theme (= per SCRUM sprint)
  - Minimum grade 4
  - Re-sit week 9 Term 2

# Questions?