

1998-2018



VENTESIMO ANNIVERSARIO

TOWARDS A BIO-BASED ECONOMY: SCIENCE, INNOVATION, ECONOMICS, EDUCATION



CHALMERS



<http://www.summerschoolbicocca.com/>



Participants

PhD and Master Students with various backgrounds.

Mandatory: some knowledge in biotechnology and a strong interest in the topic

Course structure

5-days intensive training

Lectures by experts and room for discussion

Projects to be performed by the participants divided in groups and with the help of supervisors

Visit to a company and case studies of success (or failure) stories

Presentation of results as short talks followed by comments and discussion.

New this year: publication of project results on an on-line journal

Industrial Biotechnology

- Introduction about bioeconomy
- Raw materials for bio-based production, the concept of biorefinery
- Bioconversion processes
- An introduction to life cycle thinking: Environmental life Cycle Assessment (LCA)

Economics

- Bio-based industry and bioeconomy in Europe
- Market economy and sustainability
- *Experience of a start-up
- *Visit to a company

Legal & Societal issues

- Legal issues in wastes treatment and use
- Designing responsible innovation in bioeconomy

Perception & Communication

- Perception, attitudes and behavior toward environmental resources: a psychological perspective
- Bio-based Information: where and how,



Visit to a company

Start up stories

