

Design session 2: "Teaching the Entrepreneurs of the Future",
The Center for Entrepreneurship MLL Stenden
in cooperation with the partners
of the Erasmus+ project
BeyondScale (211118)

Teaching entrepreneurship in university contexts – A CDIO approach

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Personal experiences in teaching & training academic entrepreneurship

- 1986 Growth programme targeting **ongoing businesses**
- 1993 First entrepreneurship course targeting **undergraduate students**
- 1994 Entrepreneurship and new business development programme targeting **start-up entrepreneurs**
- 2000 Entrepreneurship courses targeting **PhD students**
- 2010-> **Expansion and integration** of the entrepreneurship in the university curricula

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Entrepreneurship in an academic context – three integrated activity levels

- Entrepreneurship to facilitate an **intrapreneurial culture**
- Learning **about/through** entrepreneurship
- Learning **for** entrepreneurship

Klofsten (2000; 2019)

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What is CDIO-Entrepreneurship?

- A **compulsory** course launched in 2009 (3 ECTS)
- Targeting **mature** science and technology students from many different disciplines (about 2500 students)
- **General** knowledge and skills in entrepreneurship
- An excellent approach to **integrate** entrepreneurship in the teaching curricula

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What is CDIO?

- Acronym: Conceive, Design, Implement, and Operate
- An international collaboration network initiated 2000 by MIT
- A framework for the development of **engineering education**
 - Which knowledge and skills are expected from an engineer?
 - How should an engineering education program be designed in order to lead to the desired knowledge and skills?

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The Idea-PM

Task...

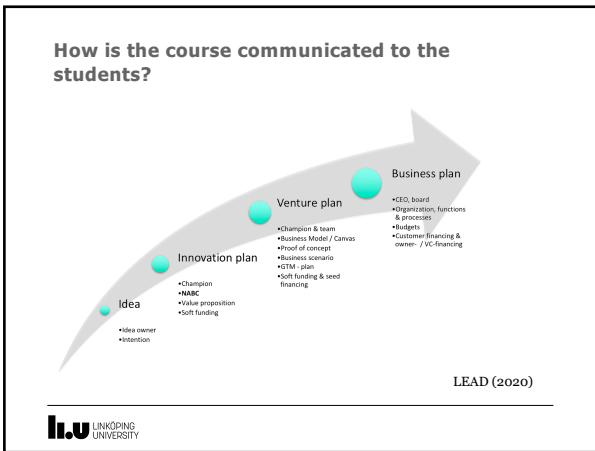
Identify an idea that you think is interesting to explore commercially.

The idea **must be related to your CDIO project work**

The outcome of your work must be documented in the **Idea-PM**

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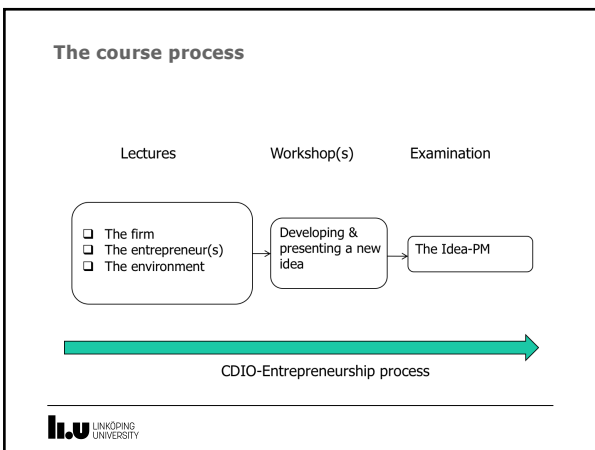
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An illustrative example of an Idea-PM

'Reducing the agricultural use of pesticides by automatic identification of weeds'

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- ### Summing-up - key elements of entrepreneurship education
- Finding relevant learning tools
 - Inspiration for entrepreneurial intentions
 - Interdisciplinarity effects
 - Boundary spanning networks
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