Focus on (Entrepreneurial) Talents
Technical University of Denmark

Nijmegen
26th of June 2015

Pål Fernvall
Project Manager
DTU Skylab
Technical University of Denmark

(founded 1829; first rector H.C. Ørsted)

Key figures

<table>
<thead>
<tr>
<th>Total students</th>
<th>~10,000</th>
</tr>
</thead>
<tbody>
<tr>
<td>including Ph.D.</td>
<td>1,500</td>
</tr>
<tr>
<td>and Int. M.Sc.</td>
<td>540</td>
</tr>
<tr>
<td>Research publications</td>
<td>2,800</td>
</tr>
</tbody>
</table>

Ranking

Leiden Ranking 2015:

no. 1 in Nordic Countries

no. 28 in Europe
DTU in numbers- 31.12.14

Education:
860 incoming exchange students (3-6 months)
550 outgoing DTU students on exchange
540 International MSc studerende
56% of PhD studerende recruited in foreign countries

Staff: 5,800 employed
690 Faculty
1,300 Scientists
2,500 Technical and administrative
1,500 Ph.d’s

Innovation
51 “Spin outs”
21 of them student spin outs

more than 90 nationalities

Economy:
Revenue 625 mill. €
DTU Departments

Major research infrastructure includes
- DTU Cen
- DTU Danchip
- DTU Library
Educations at DTU

3 years Bachelor of Science - in Danish: 16 programs
2 years Master of Science - in English: 28 programs
3 ½ years Bachelor of Engineering – in Danish: 17 programs
3 years Ph.D.-education
What Is DTU Skylab

- A **melting pot** for student Innovation and Entrepreneurship
Hub & Community

• Physical facilities
  – Prototype facilities, office facilities etc.

• Coaching
  – Business & Tech

• Network
  – Internally & externally

• Events
  – Talks, workshops, competitions etc.

• Partnerships
  – Student organisations, companies etc.
Agenda

• Why Talent?
• How do we support it in a Danish and an educational context?
• What is a talentent within innovation and entrepreneurship?
Why Talents?

- We need the knowledge and know-how of talents
- Focus on talents create motivation
- There should be enough challenges for everyone
The elite at our educational institutions:

- 2005: Eliteforsk
  - Prizes and Scholarships to support research talents

- 2007: Elitetaxameter
  - Supporting certain elite educations with funds

- 2012-2015: From Elite to Talent
  - Change in focus
What is talent

“Only a few has a talent for most things. But most people have a talent for something. And talent development in Denmark should be more than an elite programme for a small group. The Danish Government wishes to view talent in a broader sense”.

Morten Østergaard, former minister of Education.
The Danish Government: 10 elements in the talent effort (2012 > )

- Consistency of talent effort - the transition from secondary education
- Talent focus on all courses
- More liberal framework for developing talent
- Talent strategies at the institutional level
- Fast track through educations
- Consistency of talent initiatives - across the higher education
- Innovation and entrepreneurship talents must be encouraged
- Nurturing talent through flexible PhD program
- Honors Degree at the Diploma
- Attracting and retaining international talent
In 2015

"Denmark should be a front runner in the talent race"

Sofie Carsten Nielsen,
Minister for Higher Education and Science

- Make it easier for Danish companies to attract talents
- More international talents at all of our educations
- Give the talents more opportunities to find work in Denmark after their education.
Strategic goals for talent development

Solving the paradox:

A report from INSEAD shows that:

• Denmark is one of the top countries when it comes to creating conditions for attracting talents.

But

• We are only performing average, when it comes to attracting the talents.

How can we solve this?
At DTU

- Honours programme at all master programmes
- Blue Dot programmes
- Green Challenge
- Bio Tech Academy
- DTU Skylab – Talent programme in innovation and entrepreneurship
Talent programme in Entrepreneurship

- Courses on entrepreneurship and innovation
- Extra-curricular activities on innovation and entrepreneurship
- Teacher training

Talent programme
Extra-curricular activities fostering student innovation and entrepreneurship

- DTU Roadrunners
- AppGarage
- DesignLab
- CreaTech
- DTU Skylab
- Imagine it – print it
Questions

Contact:
Pål Fernvall
psfe@dtu.dk