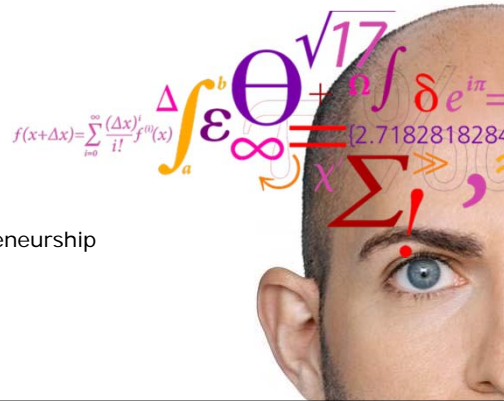


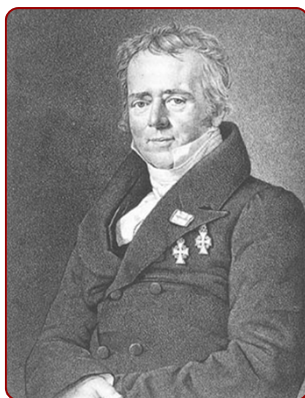
# Innovation and entrepreneurship at DTU

**Marianne Thellersen**  
Senior Vice President  
Director for Innovation and Entrepreneurship

January 2015



DTU is founded by Hans Christian Ørsted and on his vision of bringing science to society



H.C. Ørsted 1777-1851

"The collaboration between business people and scientists benefits both parties. It inspires the scientist to new and useful discoveries and provides the business man with insight into continuous renewals. It is a collaboration which produce improvements to all types of professions and industries and only hereby will we be able to compete with foreign industries."

[Free translation from H.C. Ørsted 1777-1851]

## DTU Mission



*To develop and create value using the natural sciences  
and the technical sciences to benefit society.*

*H.C. Ørsted 1829*

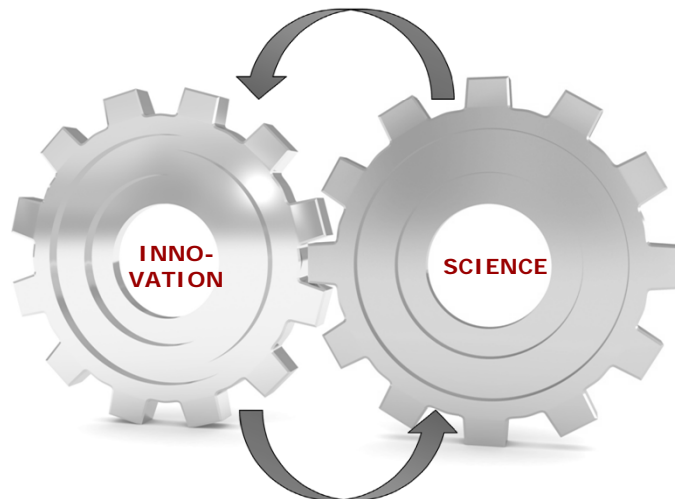
Education

Innovation

Public and  
private sector  
services

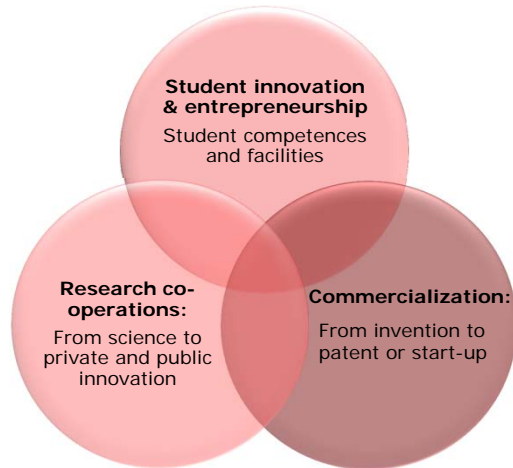
Research

## Science as driver for innovation – and vice versa



SOCIAL EFFECT: growth, jobs, welfare

## DTU enables innovation in the society



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## Student innovation



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## DTU education policy (extract)

Engineers graduating from DTU are able to **translate technological needs or demands** into a set of sub-problems and to design, calculate, and construct complex solutions. The solutions are based on a synthesis of knowledge, skills, and competences and have a **value-adding effect in form of new products, processes, and systems.**

## Student innovation and entrepreneurship

- Integrated in the education
  - Case based learning
  - Projects with industry or users
  - Entrepreneurial competences
- Extra curricular activities
  - “Grøn Dyst”
  - Blue Dot
  - Case competitions
  - Start-up competitions
- Facilities
  - DTU Skylab
  - App garage, Fab lab etc.



## Research co-operations



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## From science to private and public innovation

- Co-funded research e.g. under Horizon 2020
- Contract research
- Public, private partnerships



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## Commercialisation



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## Inventions and sustainable start ups

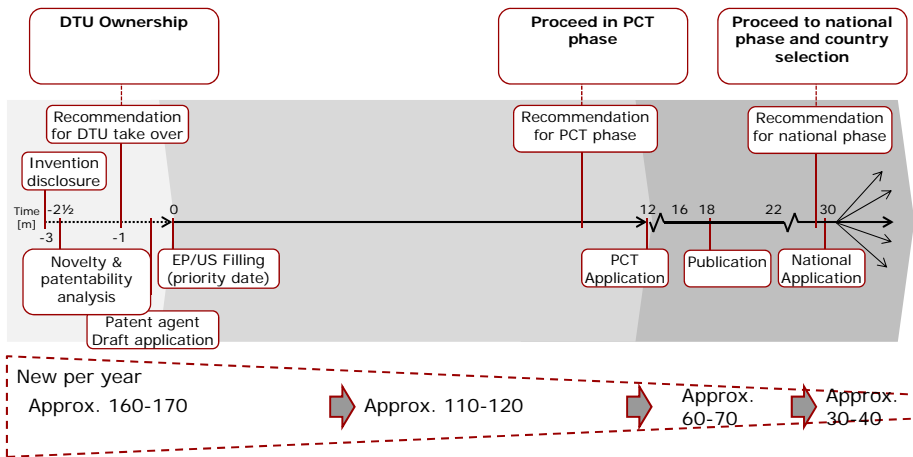
- build competences and provide facilities
- Investigate commercial value of inventions
- Move inventions towards commercialization  
- including patents and PoC funding projects
- Focus on utilisation of patents in established companies or start-ups
- Connect mentors and experienced entrepreneurs to projects



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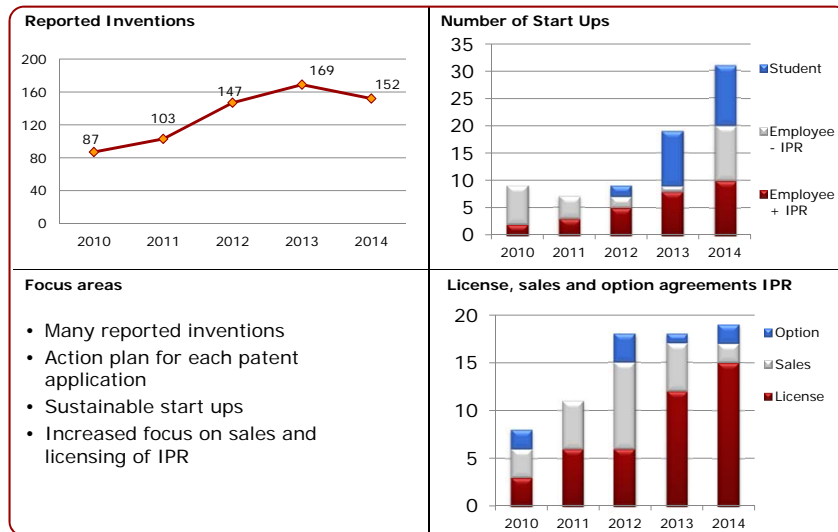
## Flow for a patent



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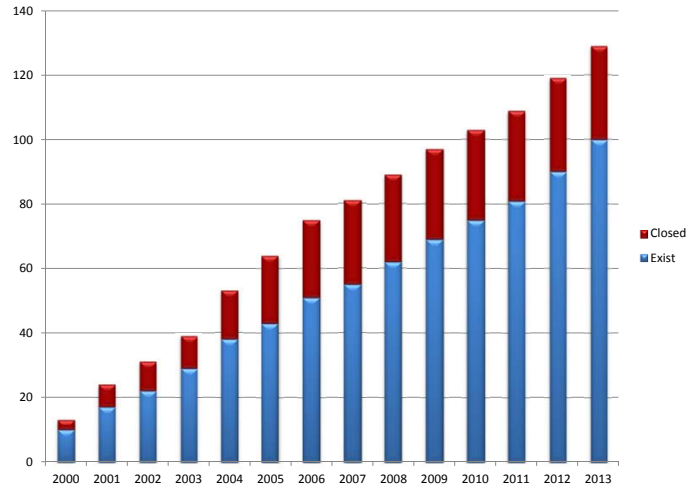
Patent Portfolio Management 12.01.2015

## Growth in Level of Activity



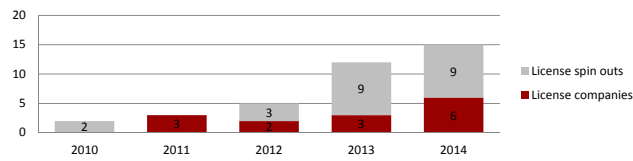
14

"Survival rate" companies established through DTU, accumulated

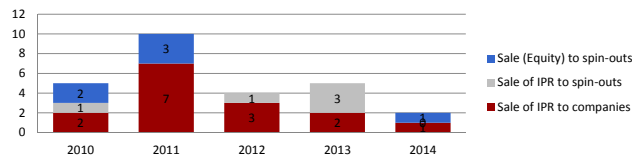


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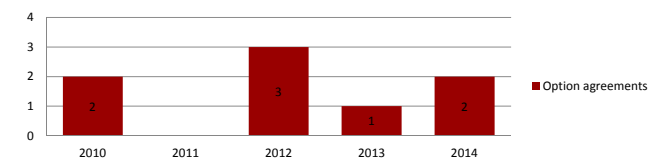
License agreements



Sales agreements



Options agreements



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## Focus for innovation efforts at DTU



### Increased innovation capacity and societal impact

- Building innovation and entrepreneurship capabilities among students
- Contribute to corporate Innovation in large Danish and international companies and high-tech SME's
- DTU as source of more inventions and more sustainable start ups

