Creating societal impact of technical-scientific research

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Introduction – DTU – Research Support

Founded by H.C. Ørsted in 1829

“To develop and create value using the natural sciences and the technical sciences to benefit society”

Almost 13,000 students, 1500 PhD students and 2200 researchers

18 Bachelor programmes
20 Bachelor of Science programmes
32 Master of Science programmes
19 PhD schools
24 departments and centres

Research Support

A unit in the central administration
2 teams
   Excellence and Talent
   Strategy and Innovation
Impact and the DTU Strategy

Impact-driven?

The 3 objectives

1. We offer Europe's best engineering education - throughout life
   - We play a leading role in the development of the engineering profession and educate engineers with deep academic competencies, commitment, and an innovative mindset, supported by novel and relevant digital learning tools and methods.
   - Our approach to polytechnical education, our unique learning environment, experimental learning approach, and direct access to researchers and educators enable us to realize the full potential of our engineering students.

2. We develop technologies for sustainable change
   - We are a role model for research and development of technologies that promote sustainable change in society.
   - We educate engineers who take leadership of sustainable change, and sustainability is a formal and active learning objective in all our study programmes.
   - We position ourselves as society’s leading expert, providing reliable and knowledge-based advice on technologies for sustainable change.

3. We assume leadership of the opportunities offered by digitalization
   - We employ digitalization to drive research breakthroughs and innovation in engineering and use the data-driven technologies of the future.
   - The theory and practice of digitalization is fully integrated in all our study programmes.
   - Our University serves as a role model for the digitalization of facilities and functions.
How do we work with impact

How we thought it would work

How it actually works

- Researchers
- Local fundraisers
- Research Support
Impact, a definition:

• The **provable effects** of research in the real world;
• The **changes we can see** (demonstrate, measure, capture), **beyond academia** (in society, economy, environment) which happen because of our research (caused by, contributed to, attributable to);
• Driven by a number of factors including **funders’ requirements** and **research assessment**.
The DTU impact journey

- Awareness
- Project
- Process
- Deliverables
- Conclusions
- Next steps
The DTU impact journey

- EARMA survey launched in 2019
- DTU impact project launched in 2020
The DTU impact journey

Provide support to DTU’s researchers when addressing IMPACT

<table>
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<tr>
<th>WHY?</th>
<th>HOW?</th>
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<tr>
<td>Empower our researchers to:</td>
<td>Inspiration</td>
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<td>Understand the potential of their research</td>
<td>End user involvement</td>
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**Why?**
- Empower our researchers to:
  - Understand the potential of their research
  - Remain competitive
  - Secure funding

**How?**
- Inspiration
- End user involvement
- Education
The DTU impact journey

Inspiration
- How does other universities work with impact?
- Case stories

End user involvement
- What does fundraisers and researchers need when writing impact?
- Focus group

Education
- How can we improve our knowledge on impact?
- Mentorship: Research Impact Academy

Case Studies

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<tr>
<th>Institution</th>
<th>Type</th>
<th>Contact</th>
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<tr>
<td>Oslo Metropolitan University - OsloMet</td>
<td>University</td>
<td>Meeting</td>
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<tr>
<td>Royal Institute of Technology, KTH</td>
<td>University</td>
<td>Meeting</td>
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<tr>
<td>University of Southern Denmark, SDU</td>
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<td>Aalborg University, AAU</td>
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<td>London School of Economics, LSE</td>
<td>University</td>
<td>Online Info</td>
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<tr>
<td>Danish Council for Independent Research</td>
<td>Funding agency</td>
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<td>Novo Nordisk Foundation, NNF</td>
<td>Funding agency</td>
<td>Meeting</td>
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<tr>
<td>UK Research Excellence Framework, REF</td>
<td>System for assessing the quality of research</td>
<td>Online Info</td>
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<td>Horizon Europe</td>
<td>Funding agency</td>
<td>Dialogue with the CIOM</td>
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We help you...
Create, Communicate & Evaluate Research Impact

We’ve already empowered thousands of researchers around the globe & we’d love to share the magic with you.
The DTU impact journey

Awareness  Project  Process  Deliverables  Conclusions  Next steps

Webinar for researchers and fundraisers
Toolbox – impact in research proposals
In-depth understanding of research Impact
Annotated template for Horizon Europe – emphasis on Impact
The DTU impact journey

Toolbox – impact in research proposals
The impact journey

Universities with an impact strategy and definition have a more structured approach to impact.

Useful, but must be accompanied by 1:1 sessions, training and direct contact with researchers and fundraisers.

It's a moving target – and that’s okay.
The impact journey

Where are we going?
University impact strategy
Measuring impact

What are the barriers?
Lack of focus
Lack of resources

What are the first steps we can take to get there?
Impact working group
Spread the word – "start a movement"
If you want to talk about impact, or hear more about our work

Reach out to me at kamam@dtu.dk