Invest in Data Support

CC-BY Marta Teperek, 2020
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Why should we care about good data management?
1. **Time and Efficiency Saving**

Less time struggling with data

More time doing research
"The usefulness of [sharing our data] is evident. The many emails with requests for event logs can easily be answered by giving the DOI of the dataset."

Wil van der Aalst, Eindhoven University of Technology
2. More Impact

Data and code are stand-alone research outputs

New connections due to data & code visibility
"The amount of views [...] shows that nearly all of the world’s other research groups involved in experimental quantum mechanics have accessed the dataset".

Bas Hensen, TU Delft
3. Easier to patent & engage with third parties

Data properly documented & professionally managed
“Proper data management and documentation makes our job much easier when it comes to patenting and commercialisation and proving who did what and when.”

Merlijn Bazuine, Valorisation Center, TU Delft
But Awareness is Low

Survey of 8,500 researchers in 2019

18% are familiar with the FAIR principles

Awareness raising, training, education, standards development and dedicated community-specific support take time and effort and have to be (financially) supported.
TU DELFT Case Study
Central Data Support team not enough
(~12 FTE: repository, training, policy, advocacy...)

Starting point
# Data Stewards Pilot

<table>
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<tr>
<th>2017/2018</th>
<th>...</th>
<th>2020</th>
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<tbody>
<tr>
<td>1 Data Steward at every faculty for 3 years</td>
<td>Data Stewards support the researchers in data management</td>
<td>All Data Stewards appointed as permanent members of faculty staff</td>
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<td>Then the faculty decides what to do</td>
<td>They report to faculty senior executives</td>
<td>Additional hands-on support staff available</td>
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Data (and code) roles of the future at TU Delft

- Data Steward
- Data Manager
- Research Software Engineer
- Data Scientist
- Data Champion

✓ Now have to be all revised (published mid-2019)

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Invest in Data Support
It will pay back
THANKS!

Any questions?
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