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In 2018 for the first time somebody was killed by an accident caused by a completely self-driving car, which raised questions about responsibility. It was also the year in which the Facebook - Cambridge Analytica scandal put privacy high on the public agenda. These examples make it clear that value-conscious design of new technologies, products, services and spaces is more important than ever. The Delft Design for Values Institute serves as a portal and booster for Design for Values research, education, outreach and co-creation at Delft University of Technology. Within the area of design for values it aims at

1) making visible & accessible what TU Delft has to offer,
2) promoting internal & external collaborations, and
3) advancing knowledge, methods & best practices

In its second year of existence, 2018, the DDFV Institute was strengthened with a management team with young scientists and two part-time project employees. This has given a great boost to the institute. There has been a strong focus on community building. The monthly 'playground meetings' have a thematic design and are getting better and better visited.

Education and knowledge sharing are also high on the agenda. For example, a lecture series has been started on 'DDFV Fundamentals'. Design for values was also promoted through an improved website, seed project financing, a program on the Sustainable Development Goals (SDGs), various events and a research consultancy project on digital platforms and democracy.

In 2018 we have also invested time in building internal and external relationships, with other units and communities at Delft University of Technology. Internally we have among other spoken with X! Delft, Robo Valley and the TU Delft Valorisation Center.Externally we have also given presentations for a range of companies and organizations. Based on these talks we conclude that actors outside Delft University of Technology increasingly recognize the importance of design for values. There are thus many opportunities for the DDFV Institute to grow further in the years to come.

Prof. Dr. Jeroen van den Hoven
Scientific Director
1. Research Themes & Projects

1.1 Fundamental Knowledge Themes
The DDfV Institute has committed itself to further develop knowledge and promote best practices with regard to four fundamental themes:

1. *Value operationalization*: translation values into concrete design requirements
2. *Value conflicts*: dealing with value conflicts as a designer/engineer
3. *Value dynamics*: dealing with long-term value changes as a designer/engineer
4. *Value assessment*: assessing value realization in design/engineering outcomes

With regard to the third theme, the DDfV Institute will greatly benefit from the fact that prof. dr. Van de Poel received a 2.5 million euro ERC Advanced Grant on the topic in October 2018. His project will run from December 2018 until November 2023. In 2018 a start was made with producing white papers on the first and fourth theme, among others by organizing a small internal workshop with invited participants.

Furthermore, a public lecture for the TU Delft community was organized on the first topic, value operationalization (see §2.3). A blog on the lecture, the sheets and the video recording have been made available on the DDfV website, on a new page which was created to share resources on all four themes. More links and resources will be added to the page in the near future.

1.2 Research Consultancy
In 2018 work was done on two research consultancy projects, in addition to a pilot program consisting of several projects in the area of responsible innovation and the sustainable development goals (see §1.4 for more info on that program).
The first research consultancy project was on the design of digital platforms, which nowadays shape the public space that is at the basis of our democracy. The project more specifically addressed *Micro-Targeting and Digital Platforms in Election Time*, with a grant from the Dutch State Committee on Reforming the Parliamentary System (Staatscommissie voor Hervorming van het Parlementair Stelsel). The project looked into the usage of digital platforms for micro-targeting potential voters in the Netherlands and the ethical challenges that this raises. The report also outlines an example of how the digital environment might be proactively redesigned in order to positively enhance the quality of the Dutch parliamentary system. Jeroen van den Hoven, one of the co-authors of the report, gave a talk on the project’s findings at a workshop from the European Parliament.

The second research consultancy project addresses the application of Artificial Intelligence (AI) in law enforcement/policing, including predictive policing, automated monitoring, (pre)processing large amounts of data (e.g. from confiscated digital devices, police reports or digitized cold cases), and generally enhancing productivity and paperless workflows. Such applications raise some concerns. For example, how do we ensure that the data used does not lead to discrimination? In collaboration with the eLaw Center of Leiden University, researchers from DDfV were commissioned by the National Police to investigate the current and possible use of AI by the police, with a specific focus on the responsible and ethical use of such new technologies. The project addresses the following research questions:

- What consequences does the large scale utilization of AI by the police have for the police profession and the police domain?
- To which ethical issues does this lead with respect to the police profession and the police domain?

This project is still on-going. The answers to these questions could serve as input for follow-up research on responsible AI innovations at the Dutch National Police. By applying design for values it may be possible
to reap the benefits that AI can bring to police work, while also guaranteeing that public values are respected.

Furthermore, in 2018 an exploration took place of another possible research consultancy project for the Dutch Police, namely on the effects of technological developments more broadly on future police tasks. This project might start in 2019, but talks with the Dutch Police are still on-going.

1.3 Newly Funded DDFV Seed Projects
In 2018 the DDFV Institute for the second time distributed a call for proposals for DDFV seed projects. The aim of this subsidy program is to stimulate cooperation across groups towards more synergy and increase the visibility, awareness and outreach of Design for Values activities. Examples of activities that can be funded include, but are not limited to: workshops and seminars, development of proof of concept experiments, and international visits. Since one of the aims of the Institute is to stimulate cross-faculty collaboration, a key demand is that projects have to involve researchers from at least two of the four founding faculties. The seed project funding has been made possible through the generous support of the Gilles Hondius Foundation (see §4.4).

Six seed projects were funded in 2018 (see table at the end of this chapter). Compared to the first round of seed funding in 2017, a new way of working was introduced this time to stimulate a more close alignment between the projects and the goals of the institute; To each project a coach was assigned to discuss, among others, the contribution of the seed project to the focal themes of the DDFV Institute (see §1.1) and the contribution of the seed project in question to the playground meetings (see §2.2). For more information on the projects we refer to their respective web pages. The seeding projects funded in 2018 will continue to run in 2019.

1.4 Running DDFV Seed Projects
During 2018 four seed projects that were funded in the first round, in 2017 were in progress:

- **3D Virtual Modeling for Value Assessment in Heritage Debates.** The seed money enabled the researchers to submit a NICAS grant application with several outside partners, which unfortunately was not granted. They also became part of a consortium that submitted an FET Flagship grant entitled *Time Machine* that aims to develop large-scale digitization and computing infrastructure to create Big Data of the Past. This initiative has been awarded a start-up grant. In conjunction with these various grant applications, the researchers in this seed project organized two Digital Humanities workshops, one in December 2017 and one in January 2018.

- **Research through design for values.** The preliminary results of this seed project were presented at a DDFV Playground Meeting and described at some length in a blog post on the DDFV site from August 2018. The paper on the final results was accepted for presentation at the international Research Through Design Conference 2019, which will be organized by TU Delft from 19th to 22nd March 2019.

- **Values and the design of housing systems.** As part of this project, jointly executed by BK and TPM researchers, an explorative workshop was organized in March 2018, see §2.4. This provided input for a focus paper that has been written on the topic by the project team, which will be discussed during a follow-up seminar in March 2019. This seminar will in turn lead to a special journal issue on the topic.

- **Designing Artificial Advice Givers that Consider Perspective and Affect in Reasoning.** This project conducted two proof-of-concept studies; One was on linguistic properties and the quality of debate, for which the case of vaccine safety discussion at online platforms Rbutr and Twitter was used. The other was on how emotionally-charged debate about contentious topics like immigration can engage or disengage numeracy and other critical thinking capacities. This start-up funding has greatly improved
the collaboration between TPM and EEMCS, as it has among others led to a planned joint submission for an NWO grant, joint participation in a number of academic & industry workshops and joint publications which are in preparation.

1.5 Pilot program ‘Responsible Innovation & the SDGs’

In the academic year 2017-2018 researchers from Delft University of Technology explored the viability and relevance of a new research program on meeting the Sustainable Development Goals (SDGs) through responsible innovation and design for values. The pilot program consisted of fourteen short-term pilot projects:

1. Water Conflicts; Data Technology Driven Scenario Planning
2. Refugees and ICTs: Innovating towards Inclusion?
3. Meaningful Human Control for Autonomous Weapons Systems
4. Airport Efficiency in Humanitarian Disaster Response
5. ICC: E-court of the Future
6. Migration Models for Policymakers
7. Blockchain for Humanitarian Aid
8. Serious Gaming for Improving Humanitarian Aid
9. Monitoring and Tracking Systems for Aid Workers
10. Drones in the Service of Society
11. High-Quality Collective Intelligence for Humanitarians
12. Artificial Intelligence (AI) & International Law
13. Responsible Innovation for Legal Empowerment

The program was made possible with financial support from The Hague municipality and executed with practical and management support of the DDfV Institute and the branch office of the Faculty of Technology, Policy & Management in The Hague. More information on the program, these projects and their outcomes can be found at [http://designforvalues.tudelft.nl/responsible-innovation-sustainable-development-goals/](http://designforvalues.tudelft.nl/responsible-innovation-sustainable-development-goals/).
Drones in the service of society
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<tr>
<th>Project</th>
<th>DDFV theme(s)</th>
<th>Key values at stake</th>
<th>Expected output(s)</th>
<th>Faculties</th>
<th>People</th>
<th>Amount</th>
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<td>Responsible Internet of Things (IoT) Data Research</td>
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<td>autonomy, privacy, trust</td>
<td>value deliberation framework, outlines of a data donation scheme</td>
<td>EEMCS &amp; IDE</td>
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</tr>
<tr>
<td>Using Value Deliberations to Explore Solutions for the Energy Transition of Port City Cultures</td>
<td>value conflicts</td>
<td>sustainability, quality of life</td>
<td>workshop leading to a research agenda</td>
<td>TPM &amp; BK</td>
<td>Carola Hein, Tino Mager (BK), Klara Pigmans, Jordi Bieger &amp; Virginia Dignum (TPM)</td>
<td>€6.890</td>
</tr>
<tr>
<td>Spatial Justice: Values for the Built Environment</td>
<td>all themes</td>
<td>democracy, justice, participation</td>
<td>symposium leading to proposal for a handbook</td>
<td>BK &amp; TPM</td>
<td>Marcin Dabrowski, Roberto Rocco (BK) &amp; Haye Hazenberg (TPM)</td>
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</tr>
<tr>
<td>Democratic Human-Robot Partnerships in the Smart City</td>
<td>value</td>
<td>civicness, democracy, empowerment</td>
<td>prototypes of robot features</td>
<td>BK &amp; IDE</td>
<td>Kees Kaan, Manuela Triggianese (BK), Roy Bendor, Elisa Giaccardi, Maria Luce Lupetti (IDE)</td>
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</tr>
<tr>
<td>Mitigating Value Conflicts in Business Model Designs for Creative Projects</td>
<td>value conflicts</td>
<td>values in general</td>
<td>open-access animated tutorial</td>
<td>IDE &amp; BK</td>
<td>Marina Bos – De Vos (IDE), Thijs Asselbergs &amp; John Heintz (BK), Frido Smulders (IDE), Nick Sturkenboom (IDE)</td>
<td>€7.000</td>
</tr>
<tr>
<td>Understanding the Perception of Intentional Behavior of Intelligent Artifacts</td>
<td>value</td>
<td>autonomy, transparency</td>
<td>value requirements, design approach</td>
<td>EEMCS &amp; TPM &amp; IDE</td>
<td>Caotholijn Jonger (EEMCS), Ibo van de Poel (TPM) &amp; Marco Rozendaal (IDE),</td>
<td>€6.500</td>
</tr>
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*Seed projects funded by the DDfV Institute in 2018*
2. Internal Events & Community Building

2.1 Members & Newsletter
When in March 2017 the internal kick-off meeting of the DDfV Institute took place, 36 researchers participated. In 2018 the amount of academics involved more than doubled. At the end of 2018 the DDfV Institute counted 93 TU Delft researchers as its members, ranging from PhD students to full professors and coming from all four founding faculties. To be listed as a member a researchers needs to be actively involved in the institute, by attending a meeting, working on a seed project or contributing in another way. A filterable member overview can be found at http://designforvalues.tudelft.nl/members/. This overview shows the diversity in knowledge and experience that members bring to the table, for example on inclusive design, design for transparency and responsible innovation.

In 2018 ten newsletters were sent to our mailing list for the TU Delft community. The number of subscriptions to the mailing list grew from 108 to 166. The newsletter was professionalized over the summer by creating a graphical format in the Mailchimp application and using this application to plan and send the newsletters. The newsletter contains updates from the institute, announcements of the playground meetings.
and other DDfV events, a calendar with the most interesting upcoming events, other short news and calls for suggestions. See the newsletter archive.

2.2 Playground Meetings

Playground meetings are DDfV's monthly informal lunch meetings for sharing ideas and insights, and exploring various topics in the area of design for values. These meetings are open to DDfV members as well as other interested researchers, and are planned monthly on the 3rd Thursday of the month. Hosting rotates between the four DDfV faculties. In 2018 nine playground meetings were organized, with the number of participants ranging from 6 to 20.

At the beginning of the year the playgrounds did not yet reach the goal of bringing researchers from all four faculties together. At that moment the playgrounds usually focused on a specific topic of the organizing faculty, like Value Dynamics and the Built Environment (9 January 2018). Starting April 2018 presentations from at least two different faculties were programmed for each meeting, ranging from short pitches to longer presentations on a project or course. This mix of presentation topics indeed led to an increase in participant numbers, with participants generally showing appreciation of learning about new topics. The disadvantage was, however, that the discussions during the meetings were less productive and powerful, as not everyone attending had relevant expertise.

After the September edition a thematic approach was thus re-introduced, with the difference that we now aim to formulate themes that are on the one hand relevant for all faculties, but on the other hand specific enough to bring together groups of interested researchers and critical mass for an in-depth discussion. The first two meetings under this new approach were on Design for Democracy (15 November 2018) and Privacy by Design (13 December 2018). Furthermore, presenters are now encouraged to keep their presentations really short (5-10 minutes), ending with a position statement as input for an overarching discussion on the theme, guided by a moderator. This approach seems to work well, as new participants are joining in every meeting, new connections are made, and the discussions are highly relevant to the topic at hand.

The way the playground meetings are being organized changed as well, with the start of a DDfV project manager to organize them (see §4.3). She actively involves members and new participants, invites researchers from DDfV's seed projects, and looks for hot topics and speakers. Also, attention was paid to the promotional text on the website and in the newsletter, and to word of mouth when promoting the playground meetings. Last but not least, the DDfV website published blog posts about the discussions at three of the playground meetings, for promotional purposes and to conserve and share the outcomes of the meeting.

2.3 DDfV Fundamental Series

At the end of 2018 the DDfV Institute launched its own lecture series. The aim of this series of lunch lectures is to bring interested students and researchers up to speed on fundamental design for values topics, addressing such questions as:

- As a designer or engineer, what do you need to know about design for values?
- What does it take to successfully use values in your design process?
- What is the current state of affairs and what are the challenges in framework, tools and methodology that research still needs to address?

For each lecture an expert on the topic will be invited. All topics in this series will be overarching and independent of field of work or application domain.
The first lecture in this series took place on 4 December 2018. The topic of this lecture was 'Value Operationalization', and the lecture was given by prof. dr. Van de Poel. The number of participants was 36, both students and researchers from different faculties. As expected, this lecture attracted a different audience than the more in-depth playground meetings do. The lecture was followed by a lively discussion, where participants tried to apply the presented theory to their own practice; see the blog post that was published on the lecture. The sheets and a video recording of the lecture have been made available on the DDfV site for later reference.

2.4 Explorative workshop on values and housing
On 20 and 21 March 2018 the DDfV seed project ‘Values and the Design of Housing Systems’ (see §1.4) organized an explorative workshop on values and housing. It explored whether a philosophical angel from the perspective of Design for Values can provide fruitful input for housing systems and whether the housing system angel may provide for a fruitful case study for discussion in applied/engineering ethics, and more specifically for Design for Values approaches. Topics on the program were:

- Philosophy & Ethics
- Housing Studies (sociological and economic perspective)
- Affordability & Policy Making
- Design & Dwelling
- Housing & the Capabilities approach
- Housing Preferences & Housing History

Participation was on invitation only. About 15 to 20 experts from in- and outside TU Delft participated.
3. External Events & Outreach

3.1 Website / Portal
In 2018 the website of the DDfV Institute was further developed into a portal that makes existing activities at TU Delft in the area of design for values visible and accessible. New pages added included:

- an **introduction on what design for values is**,
- a **resource page on design for values fundamentals** (see also §1.1),
- a **showcase of TU Delft research**,
- an **overview of bachelor and master courses**,
- a **page on doing your PhD on design for values**,
- overview pages on what is happening in Delft regarding **design for democracy** and **design for values in artificial intelligence**.

The **member directory** was furthermore upgraded with filters indicating different values, application domains and design for values traditions that people are working on (see §2.1 for a screenshot). The event calendar and the news section of the website are partly created by sharing relevant items from the faculties participating in the DDfV Institute (relevant items are also included in the newsletter, see §2.1).
3.2 Closing Conference on Responsible Innovation & the SDGs
The pilot program on Responsible Innovation & the Sustainable Development Goals (see §1.4) was closed with a public event on 8 June 2018 in the Peace Palace in The Hague. About 200 people registered, and the event registration page was visited almost 1200 times.

3.3 Panel discussion on design for values in AI with IEEE

*Incorporating Ethical Considerations in Autonomous & Intelligent Systems (A/IS) – Policy & Industry Requirements in the Algorithmic Age* was the topic of an interactive event that took place in The Hague on Monday 11 June 2018. The DDfV Institute co-organized this event with the IEEE Standards Association. Goals were to:

- promote awareness of ethical considerations around A/IS technologies;
- illustrate how voluntary standards can have relevance to industry, citizens, and the policy community, and be leverage for the public good
- showcase the importance to and value of industry engagement in the development of standards;

About 60 people participated, a mix of people from academia, the business world, and (non-)governmental organisations. Virginia Dignum, still DDfV Executive Director at that time, moderated the discussion together with Irakli Beridze, Centre for Artificial Intelligence and Robotics, United Nations Interregional Crime and Justice Research Institute (UNICRI). Speakers / panellists were:

- Rumman Chowdhury, Responsible AI Lead at Accenture
- Jean-Luc Dormoy, Member, IEEE EPPC Working Group on ICT
- Jim Dratwa, Head, Ethics in Science and New Technologies, EC
• Jeroen van den Hoven, scientific director Delft Design for Values Institute
• Jason Jercinovic, Global Head of Marketing Innovation, Havas
• Ansar Koene, Chair of IEEE P7003 – Algorithmic Bias Working Group, University of Nottingham, UK
• Mario Marienello, Digital Advisor @ European Political Strategy Centre, European Commission
• Catelijne Muller, Member European Economic and Social Committee (EESC)
• Clara Neppel, Senior Director, IEEE Technology Centre
• Zoltan Szlavik, Lead at IBM Benelux Center for Advanced Studies

Some of the slides from presenters can be found at the DDfV website.

3.4 Expert session on values & emerging technologies

Quantum computing, big data, robotics, block chain, artificial intelligence, the internet of things… developments are going fast and these technologies are going to change society drastically in the coming decade. What is the current state of affairs and what can we expect in the coming years? What are the ethical, social and legal implications of these technologies? Is meaningful human control possible? May responsible innovation and design for values contribute to addressing these issues? How should politics and politicians prepare for the next tech wave? And will governments be able to maintain liberal neutrality while dealing with the challenges that these technological developments pose?
On Friday 14 September the DDfV Institute organized the **round table session The Next Tech Wave & Responsible Innovation: Challenges for Politics & Politicians** at the TU Delft Campus, together with the Dutch thematic network ‘The Impact of Change’. Goal of this event was to bring members of the Dutch parliament and professionals dealing with such issues up to speed and give them the opportunity to ask the questions that are on their mind to experts from Delft University of Technology. Six ten-minute talks were given on:

- Quantum computing (Dr. Garrelt Alberts)
- Big data (Dr. Scott Cunningham)
- Block chain (Dr. Johan Pouwelse)
- Internet of things (Prof. Dr. Gerd Kortuem)
- Robotics (Dr. Chris Verhoeven)
- Artificial intelligence (Dr. Matthijs Spaan)

### 3.5 DDfV Contribution to Dutch National AI Course

Joint reflection with stakeholders is essential for design for values and responsible innovation in any area, including Artificial Intelligence. If stakeholders are well-informed, this contributes to a more fruitful societal debate. The DDfV Institute thus agreed to become one of the ‘content partners’ of the [Dutch National AI Course](https://www.ai-cursus.nl/partners/design-for-values-institute). A range of financial partners and content partners support this initiative of Dutch tech entrepreneur Jim Stolze, which aims to make all Dutch people better informed about artificial intelligence.

Jeroen van den Hoven (DDfV executive director) and Catholijn Jonker (DDfV board members) were both interviewed in the autumn of 2019 as two of thirteen AI experts. Both explained the DDfV approach of paying attention to values in the design phase of new systems. Videos of these interviews are part of the course program. The course was officially launched in December 2018.

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1 [https://www.ai-cursus.nl/partners/design-for-values-institute/](https://www.ai-cursus.nl/partners/design-for-values-institute)
4. Organization & Governance

4.1 Founding Faculties & Supervisory Board

The DDFV Institute was founded by four faculties of Delft University of Technology:

- Faculty of Architecture & the Built Environment (BK)
- Faculty of Electrical Engineering, Mathematics & Computer Science (EEMCS)
- Faculty of Industrial Design Engineering (IDE)
- Faculty of Technology, Policy & Management (TPM)

The rector of TU Delft and the Deans of these faculties together formed the supervisory board. At the end of 2018 its composition was as follows:

- Prof. dr. Eric Fischer (dean TPM)
- Prof. Dr. Ir. Bert Geerken (dean BK, as of June 2018)
- Prof. Dr. Tim van der Hagen (rector magnificus)
- Dr. John Schmitz (dean EEMCS)
- Ena Voûte (dean IDE)

The supervisory board’s main role is to ensure that the Institute’s strategy, and policies are in line, and or complementary to, the interests of the university and the specific faculties. The supervisory board approves the Institute’s long term strategy and periodically evaluates the Institute’s performance and impact.

4.2 Advisory Board and Management Team

The scientific director, Prof. Dr. Jeroen van den Hoven, holds final responsibility for governing and managing the DDFV Institute and acts as the main spokesperson. The function of executive director was fulfilled by Dr. Virginia Dignum in the first half of 2018. As she accepted a new position at a foreign university, Dr. Pieter Vermaas (already involved as vice-director) took over from her in the course of 2018. The executive director is responsible for all day-to-day activities of the centre and supervises the Institute’s support staff.

In 2018 the former DDFV Executive Board was split in a Management Team and an Institution Board, in order to make the management more active and hands-on and to involve new people in the further development of the DDFV Institute. The Management Team meets once every three weeks and is chaired by prof. Van den Hoven, in collaboration with dr. Pieter Vermaas (both TPM). Three early career scholars from the other faculties joined the newly established Management Team:

- Dr. Nava Tinarev, EEMCS
- Dr. Amy Thomas, BK
- Dr. Nynke Tromp, IDE

Strategic and operational decisions are made in consultation between the executive and scientific director and the rest of the management team.

The Institute Board meets twice a year and consists of advanced-career representatives of each of the four founding faculties:

- Prof. Dr. Carola Hein, BK
- Prof. Dr. Catholijn Jonker, EEMCS
- Prof. Dr. Paul Hekkert, IDE
- Dr. Virginia Dignum, TPM
4.3 DDFV Office / Support staff

In 2018 the DDFV Office became operational with the hiring of two part-time project managers per February 2018:

- Dr. ir. Ilse Oosterlaken (0,3 fte) for valorization, business development and external communication. She is a former PhD student and postdoc from the TPM Department of Values and Technology.
- M. Eng. Linda Rindertsma (0,2 fte) for community building and internal communication. She is a graduate from the IDE master program.

The Faculty of Industrial Design Engineering kindly made office space available. The DDFV Institute was also supported by a secretary (0,2 fte), in the first half by Marianne Hofstra (TPM) and in the second half by Denise Keislaair (IDE).

4.4 Partner organizations

In 2018 the DDFV Institute again received generous financial support (see chapter 5) from the Gilles Hondius Foundation. This foundation was established in March 2004 with the aim of promoting the arts and scientific research. The DDiV Scientific Director meets annually with the Gilles Hondius Foundations to give an update on the institute’s progress and discuss which specific project(s) the Gilles Hondius Foundations supports.
5. Finances

5.1 Budget

The TU Delft budget for 2018 and the following three years had been established as below. With the support of the Gilles Hondius Foundation this budget could be raised with 25 k€ annually.

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<td>• 25 k€ per Faculty for 5 years</td>
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<tr>
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<tr>
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<tr>
<td>MOOC and ProfEd development</td>
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5.2 Spending

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<td>5 Yearly event/exhibition</td>
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Result 2018 | 60.653 | pos.

note:
* Contribution TPM (25 K€) not taken into account in 2018 -> will be adjusted in 2019

3 This amount includes all personnel appointed to support the DDfV Institute
4 No visiting scholars in 2018
6 Master classes are being started up in 2019
7 All costs connected to acquisition, including travel costs
8 This concerns funding to start up seed projects
9 Costs for maintaining the website
10 On request of the Hondius Foundation internationale meetings are being set up in 2019
11 In 2019 work will be done on this item