RESEARCH REPORT 2020

ANNUAL RESEARCH REPORT OF THE
ALEXANDER VON HUMBOLDT INSTITUTE FOR INTERNET AND SOCIETY

ABOUT THE INSTITUTE

The Alexander von Humboldt Institute for Internet and Society (HIIG) researches the development of the internet from a societal perspective. The aim is to better understand the digitalisation of all spheres of life. As the first institute in Germany to focus on internet and society, HIIG has established an understanding that emphasises the embeddedness of digital innovations in societal processes. Drawing on the scientific competencies brought together at the institute, HIIG is making substantive contributions to our understanding of the relationship between innovation and governance in the digital society. The challenge is to comprehend and change societal values and norms, for example, when developing technologies and business models, but also to do so in an innovation-friendly manner.

The HIIG was founded in 2011 by the Humboldt-Universität zu Berlin, the University of the Arts Berlin and the Social Science Research Center Berlin, in alliance with the Leibniz Institute for Media Research | Hans Bredow Institute (HBI) in Hamburg as an integrated co-operation partner.

RESEARCH REPORT 2020

About the institute 3

Strategic objectives 2020 5

Problem-oriented research on internet and society 7

The institute's lineup 8

Research programmes 10
I. The Evolving Digital Society
II. Data, Actors, Infrastructures
III. Knowledge & Society
Research groups 16
Innovation, Entrepreneurship & Society
AI & Society Lab
Global Constitutionalism and the Internet
Research projects 20
Third Engagement Report – The Future of Civil Society: Young Engagement in the Digital Age
Innovative Open Access in Small Sciences (InnOAccess)

Publications and edited works by the institute and its researchers 22

Node of an international network of knowledge production, transfer and dissemination . 36

Network and international relations 36
Network of Centers, European Hub
Promoting up-and-coming researchers and academic visitor programmes
Transfer of research through events, platforms and communication 38
Events, workshops, conferences
Internet Policy Review
Communication

Appendix: Monitoring of the institute's activities 43

Imprint 61

STRATEGIC OBJECTIVES 2020

The Alexander von Humboldt Institute for Internet and Society (HIIG) in Berlin researches the development of the internet from a societal perspective. The aim is to better understand the digitalisation of all spheres of life. As the first institute in Germany with a focus on internet and society, HIIG has established an understanding that centres on the deep interconnectedness of digital innovations and societal processes. The development of technology reflects norms, values and networks of interests, and conversely, technologies, once established, influence social values.

PROBLEM-ORIENTED RESEARCH ON INTERNET AND SOCIETY

Modern societies are based on ever-changing sets of norms, procedures and structures that are intended to enable free and democratic coexistence. In times of fundamental social, economic and technical transformation, however, some of these institutions are reaching the limits of their ability to change and broken concepts are emerging. This term refers to ways of thinking, patterns of action or explanatory models that are so deeply connected to their previous context that they now seem to belong to a different era and need to be rethought. We want to research such broken concepts – such as the once-meaningful distinction between the offline and online world – and help overcome them by offering new models of thought and action.

We create creative spaces for knowledge production that allow us to respond quickly to disruptive phenomena and promote new thinking. By continuously examining overarching developments in science, politics, business and civil society, we have established an intellectual context for such thinking. This helps us to generate concepts that offer a better understanding of the digital society, based on our own and others' theoretical and empirical work. By integrating various disciplines and interest groups into the research process, we facilitate an exchange of knowledge that strengthens our ability to think and act sustainably and responsibly. In this way, our interdisciplinary research contributes to redesigning democratic processes for a future-oriented, free society.

We give pioneering thinkers of the digital society the opportunity to engage with issues early and develop networks – without the bureaucratic hurdles. We enable them to develop projects and explore topics flexibly and without any thematic preconceptions. We promote unconventional approaches and are open to new ideas from all areas of society. We build bridges where others are busy staking their claims.

NODE OF AN INTERNATIONAL NETWORK OF KNOWLEDGE PRODUCTION, TRANSFER AND DISSEMINATION

In order to achieve its goals, our institute sees itself as a node in an international network of knowledge production and distribution. With this in mind, we invite established thinkers to give lectures on current structural changes, offer young researchers from across the world our infrastructure as an incubator for their ideas, and support international networking among researchers to exploit the scientific potential of such collaborations. For HIIG, the European perspective is central to encouraging more and better quality debate, both locally and globally.

The results of our research are presented in an easy-to-understand and usable way for different target groups. The impact HIIG aims to achieve is based on excellent, socially relevant interdisciplinary research. We realise this through transfer services such as online magazines, science blogs, public discussion rounds, media contributions and podcasts.

Pursuing the overall aim of facilitating research on the internet and society, the HIIG team pursued the following objectives in 2020:

- Adjusting and strengthening HIIG's profile and distinctive characteristics, particularly with regard to fundraising efforts
- Fostering research on HIIG's guiding concern – the tension between innovation and governance – in all programmes and projects
- Enhancing the European perspective, both in research activities and in the strategic orientation of the entire institute
- Strengthening HIIG as a thought leader and advocating for an open, inclusive and sustainable form of AI in Europe with respect for human rights and further developing the AI & Society Lab
- Serving as an interface between public and private data for science and creating awareness of this challenge by establishing the *Data & Society Interface*
- Serving as the European Hub's leading centre and initiating and strengthening network building measures
- Advancing knowledge transfer from research through topic-oriented events as well as new virtual and hybrid formats and communication

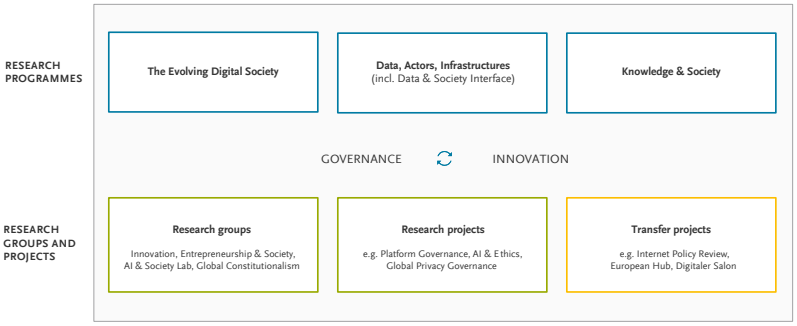
Additionally, we have maintained a strong focus on securing long-term funding for the institute and succeeding in relevant competitively awarded third-party funding applications that are consistent with HIIG's future research agenda. Beyond these core objectives, the year 2020 was marked by the necessary adjustments caused by the coronavirus. Accordingly, all measures to achieve these goals were significantly adjusted throughout the year.

PROBLEM-ORIENTED RESEARCH ON INTERNET AND SOCIETY

The HIIG aims to broaden the theoretical and empirical foundation of internet and society research in order to contribute to a better understanding of digital society. Throughout the process of digitalisation, societies are undergoing changes. Our conceptual frame of reference for identifying and assessing these societal changes is the relationship between innovation and governance.

Our research agenda is organised into temporary programmes that are driven by broad research questions reflecting all of the institute's disciplines. Larger research groups and projects each address the research questions in distinct ways. Furthermore, the *AI & Society Lab* – an inter- and transdisciplinary research laboratory – functions as an interface and translator between academia on one side and industry and civil society on the other. Additionally, we plan to initiate the *Data & Society Interface*, which will explore the transformative potential of new forms of data use.

We build bridges between different stakeholders such as academia and business via knowledge transfer activities. The institute is working on securing its long-term funding. In this regard, the funding strategy plays an active role in the entire research agenda. The general structure is presented in the following graph:



THE INSTITUTE'S LINEUP

Thomas Christian Bächle

Susanne Becker

Nadine Birner

Marie Blüml

Stephan Bohn

Carina Breschke

Maischa Bukowski

Steven Mark Champion

Asal Dardan

Bronwen Deacon

Daniela Dicks

Jennifer Droese

Frédéric Dubois

Frederik Efferenn

Lea Erlenwein

Judith Faßbender

Benedikt Fecher

Lukas Fox

Nicolas Friederici

Christoph Gerling

Jan Sebastian Götte

Maria Gradl

Christian Grauvogel

Ali Aslan Gümüşay

Claudia Haas

Laszlo Hammerl

Lena Henkes

Juliane Henn

Jeanette Hofmann

Christian Katzenbach

Alexandra Ketterer

Elias Koch

Sonja Köhne

Adrian Kopps

Tina Krell

Nastasja Krohe

Melissa Laufer

Mareike Lisker

João Carlos Magalhães

Philip Meier

Annemarie Mutscher

Shirley Ogolla

Paola Perrin de Brichambaut

Alexander Pirang

Jörg Pohle

Karina Preiß

Georg von Richthofen

Patrick Urs Riechert

Björn Scheuermann

Thomas Schildhauer

Sascha Schönig

Jana Schudrowitz

Wolfgang Schulz

Ronja Schwab

Nataliia Sokolovska

Lena Starke

Friederike Stock

Tom Sühr

Moritz Timm

Alexander Triebsees

Annika Ulich

Natasha Vukajlovic

Katrin Werner

Klemens Witte

Jennifer Wollniok

Marcel Wrzesinski

Theresa Züger

FELLOWS AND ASSOCIATES

Dirk Baecker · Jascha Bareis · Sönke Bartling · Luiza Bengtsson · Pablo Beytía · Katharina Block · Fabian Braesemann · Deniz Erden · Sascha Friesike · Kirsten Gollatz · Robert Gorwa · Maximilian von Grafenstein · Lisa Gutermuth · Marcel Hebing · Amélie Heldt · Shlomi Hod · Paul Jackson · Stephan Jansen · Rebecca Kahn · Jonas Kaiser · Clara Iglesias Keller · Matthias C. Kettemann · Nuri Khadem · Kevin Klug · Christian Kobsda · Riikka Koulu · Elisabeth Mayweg· Katharina Mosene · Nancy Richter · Joaquin Santuber · Jessica Schmeiss · Phillipp Schoppmann · Martin Schmidt · Julia Schwanholz · Timo Seidl · Hendrik Send · Nicole Siebold · Fabian Stephany · Anna Sophia Tiedeke · Bruna Toso de Alcântara · Teresa Völker · Gert G. Wagner · Alina Wernick · Martin Wrobel · Sally Wyatt

FAREWELL 2020

Anja Adler · Enad Altaweel · Michelle Banse · Nicole Bosse · Li-hsien Chang · Felix Dengg · Kai Gärtner · Lorenz Grünewald-Schukalla · Vivien Hard · Nina Hrkalovic · Nils Hungerland · Anneke Ilsemann · Onur Karabastik · Diana Kozachek · Anna Oswald · Marie Rosenkranz · Pablo Schmiemann · Helene von Schwichow · Janis Stöckle · Julia Tiemann-Kollipost · Lennart Vogelsang · Philipa Weyers · Luise Wolf · Miriam Wolf · Tanja Zagel

RESEARCH PROGRAMMES

Analysing the relationship between innovation and governance, HIIG has developed three long-term research programmes, which provide the framework for research activities at HIIG and give rise to HIIG's agenda:

- The Evolving Digital Society
- Data, Actors, Infrastructures
- Knowledge & Society

I. The Evolving Digital Society: Concepts, Discourses, Materialities

Research Programme *The Evolving Digital Society* analyses ongoing transformative processes by looking at the concepts, the discourses, and the material objects and interfaces that shape the reality of digital societies. Building on previous foundational work, the research programme entered a new phase in 2020 and began to focus more strongly on empirical and comparative research projects on selected key topics, such as platform governance, AI and humanoid robots. At the same time, we continued and refined our existing high-profile transfer activity with the lecture series *Making Sense of the Digital Society* as well as the publication project *Defining Concepts of the Digital Society*.

In early 2020, we launched the project Platform Governance and Copyright as part of a H2020-funded consortium. Based on a collection of 1600 platform content policies, we started to reconstruct the changing governance of copyright and content by these powerful intermediaries. Preliminary results show a massive growth and differentiation in rule-setting by platforms, which are increasingly responding to public and policy pressure. With the help of a number of visiting and associated researchers we also contributed to the formation of the broader platform governance research field and community. We hosted an online workshop on empirical approaches to platform governance research in June with most prominent scholars in the field. We have also begun the process of founding the *Research Network on Platform Governance and Policy* with partners in Canada (McGill/CIGI) and the USA (CITAP, University of North Carolina) with a view to offering periodic workshops, curated newsletters and shared resources. This HIIG research group has also completed most of the groundwork necessary to launch the *Platform Governance Archives* in 2021, an open platform providing access to the content policies, moderation guidelines and terms of service of major platforms since 2006. In doing so, the group has positioned itself as a major European hub for platform governance research.

In the context of the second focal theme, the discursive and political construction of AI, we have consolidated and published preliminary studies, including the special issues *The discursive turn to AI in communication governance* and *Future imaginaries in the making and*

governing of digital technology for the leading journals *Big Data & Society* and *New Media & Society*. More importantly, we secured substantial funding for this research stream as part of major international projects. The DFG and the national research funding bodies of the UK, France and Canada will fund the international project *Shaping 21st Century AI – Controversies and Closure in Media, Policy, and Research* under the highly competitive *Open Research Area (ORA)* scheme. Starting in early 2021, the HIIG-led consortium will investigate the contested institutionalisation of AI in contemporary societies in the 2012–2021 period. Together with partners in Zurich, we have also secured DFG and SNF funding for a complementary 3-year project, which will investigate AI imaginaries in the US, China, and Germany. Additionally, we have contributed to a proposal for a science communication research centre with a module on public debates about AI and digitalisation in Germany that is under review (Volkswagen Foundation). These activities amplify HIIG's role as a major European institution that is conducting original research and engaging in impact-driven activities to better understand the role of AI in the evolving digital society.

As a third focal area, we have continued to look at **intercultural comparative perspectives on media technologies, interfaces and humanoid robots**. This was primarily driven by Thomas Christian Bächle's nine-month research stay (directly funded by the Japanese Society for the Promotion of Science) at Waseda University in Tokyo in 2020, which is part of the project *A Media Theory of the Humanoid Robot*. AI technologies always instantiate anthropological and philosophical concepts that, while not being universal, do tend to be shaped by European traditions of thought. The technology of humanoid robots once again raises the fundamental questions on how humans think, act and feel. Besides the fictional and conceptional differences concerning AI, our research also addresses social norms, since robots are situated in everyday life contexts. In light of Japanese interpretations, the preliminary findings indicate the necessity to reassess notions such as subject/object or animate/inanimate in our understanding of AI as well as the social value that we ascribe to this technology. Overall, these comparative perspectives shed light on the socio-cultural specificities of technologies and emphasise the idea that despite being a global phenomenon, digitalisation is far from being a universally homogenous occurrence.

II. Data, Actors, Infrastructures: The Governance of Data-Driven Innovation and Cybersecurity

The avalanche of data on all aspects of human life that is collected, stored and processed drives innovation processes, while new technologies and new modes of data analysis and surveillance challenge established relations across all of society. In our research programme *The Governance of Data-Driven Innovation and Cybersecurity* we investigate these challenges to governance structures and processes with a particular focus on the competitive context as well as on public interest contexts and with the goal of developing practical solutions that balance both the benefits and threats of automated data processing.

In 2020, the work of different team members on COVID-19 tracing apps and operations was one of the defining elements of the research programme, both in terms of its visibility and its real-world impact. We published a number of reports, articles and opinion papers on the potential implications of improperly designed and operated tracing apps for individuals, groups and society as well as on how to properly design, implement and operate such tracing apps and the systems they are embedded in – i.e. in a manner that ensures the protection of fundamental rights and freedoms. This had a very direct impact on the design and implementation of the official German Corona-Warn-App.

This year, we primarily focused on the further development of the *Data & Society Interface* and our work on the *Data Governance* project family as well as on the *Data Protection as a Service* project. In addition, we established, developed and implemented the *Digital Urban Center for Aging & Health (DUCAH)*, an initiative in cooperation with the Foundation for Internet and Society and the Einstein Center Digital Future.

The Data & Society Interface aims to make better use of data stored in the data silos of public and private organisations for the good of society. Instead of simply calling for open data and data sharing, which is often met with challenges and barriers in practice, e.g. the need to protect business or trade secrets or because of legal or contractual obligations, the *Data & Society Interface* project aims to think beyond this: we aim to identify, develop and test solutions that allow us to make use of the data without sharing them by facilitating interfaces on an organisational level – both technical and non-technical, as a proof of concept, demonstrator or prototypical implementation. We have established sub-projects that investigate topics such as privacy-preserving data donations, secure distributed computation on medical data and how energy data may be used to strengthen the power grid's security and resilience. Further sub-projects are under development, with funding applications already underway or under evaluation.

The objective of the Data Governance project family is to understand how better governance may foster the reuse of data in a way that advances innovation, for instance, through third-party intermediaries and legislative changes where necessary. In 2020, we completed the project *Data Governance: Finding Common Ground for Interdisciplinary Research* with the publication of two papers, one on the aim and main challenges of successful data governance and the other on the four basic data governance archetypes. Building upon this foundational work, the project *Data Governance: Defining a Transdisciplinary Research Framework* has conducted research with a view to developing a conceptual framework for analysing data governance contexts, actors, interests and governance models based on their normative, process and technological layers as well as their architectural – e.g. centralised or decentralised – layout. This framework allows us to assess potentially conflicting interests in data sharing and to consider which data governance models may mitigate these conflicts. The project's work on the conceptual framework will then provide

the basis for empirical research into the online advertising industry, the automotive sector or the smart city context.

The project Data Protection as a Service (DPaaS) built upon our previous research on the particular challenges faced by small and medium-sized enterprises (SMEs) in complying with the EU General Data Protection Regulation (GDPR) and the development of a certification scheme with associated design criteria for technical and organisational measures to be carried out by web hosters to assist website owners in complying with the provisions of the GDPR. In 2020, we developed an analogous certification scheme for the online marketing field, which will be submitted for approval to the Deutsche Akkreditierungsstelle (DAkkS, the German national accreditation body). It thus supports the project's overarching goal of developing technical and legal approaches that shift responsibility for implementing and enforcing data protection requirements from actors that lack both resources and knowledge, such as small and medium-sized enterprises and non-profit organisations, to well-equipped and competent ones.

The Digital Urban Center for Aging & Health (DUCAH) was initiated by HIIG in early 2020 in cooperation with the Foundation for Internet and Society and the Einstein Center Digital Future as an inter-university cooperation platform at the intersection of digitisation, urbanisation and health. DUCAH aims to do research in a real-life environment – the *DUCAH Learning Lab* – which will allow researchers to develop prototypes and conduct comparative analyses in complementary research projects – together with all the interest groups in the field. The aim is to develop and test digital health and care solutions together with local people for age-appropriate communication, care, housing, education and mobility systems on the basis of multifaceted platforms, with human-centred field studies providing well-supported perspectives. In order to facilitate a dialogue between research and all the relevant stakeholders from different economic sectors, politics, civil society and public administration, we intend to establish the *DUCAH Intersectoral Founding Forum for Innovations in the Healthcare System (DUCAH Forum)* in 2021. Preliminary research on aging, independent living and technology has shed light on the challenges of technology adoption among elderly people. Our study has identified two main issues: first, there is a lack of research on how such technology is embedded and used in the everyday life of the elderly, and second, older people are seldom involved in the design and development of the technical solutions.

III. Knowledge & Society: What are the Emerging Patterns of Knowledge Creation and Dissemination in the Digital Age?

The research programme *Knowledge & Society* focuses on shifts in academic knowledge creation, organisation, and dissemination from an inter- and transdisciplinary perspective. The programme is supported by three pillars, which aim to combine research on communication within science (Open Science and Research Integrity), higher education development (Knowledge Organisation), and external science communication (Science Communication and Societal Impact). We believe that it is necessary to combine these fields in order to produce results that are relevant for the scholarly discourse and the modern knowledge society. Below, we focus on the research and science communication activities in two of these pillars in 2020.

Knowledge Organisation: The project *Organisational Adaptability in the Implementation of Teaching and Learning Innovations (OrA)* is a cooperation between HIIG and the FernUniversität in Hagen's research cluster *Digitalisation, Diversity and Lifelong Learning – Consequences for Higher Education (D²L²)*. In 2020, we conducted two studies, one titled *Coping with Change: Organising Teaching in Uncertain Times*, and conducted focus groups and a questionnaire with 27 German instructors to understand their experiences with the rapid transition to online teaching and the institutional support they received during this change process. The second study focused on higher education leadership during the COVID-19 pandemic: *Leading in Times of Crisis*. This was a cooperative project with the Global Learning Council and the FernUniversität in Hagen, D²L². We surveyed 85 higher education leaders in 25 countries to map how leaders were coping with the rapid transition to online teaching. A follow-up survey was sent to selected participants in autumn. In addition, we conducted 11 expert interviews with higher education leaders to understand the factors that hinder and facilitate online education around the globe. Preliminary results from these two studies demonstrate that higher education institutions experienced different levels of readiness in the wake of the rapid transition to online teaching. In many cases, this digital turn sparked innovation and experimentation; however, at the same time, it exposed existing inequalities among students, staff and institutions. In October, we presented these results at the *University:Future Festival* (organised by the Hochschulforum Digitalisierung). We plan to publish these studies next year in academic journals. We are currently conducting a systematic review of educational technology literature, which will be finished next year.

Science Communication and Societal Impact: The project *Indicators, Performance and Measurement of Third Mission Activities in the Social Sciences (IMPaQT)*, funded by the German Federal Ministry for Education and Science (BMBF), aims to identify quality criteria and indicators for third mission activities in the social sciences and humanities.

In 2020, we conducted

- 27 interviews with representatives of different publics as part of transfer activities from SSH in order to grasp their reception logics and understandings of quality
- A data-driven systematic review with more than 27,000 data points on science-society-relationships in order to better understand the scholarly networks dealing with these kinds of issues
- A survey among 500 German researchers from all disciplines in order to understand their science communication activities
- A Delphi study among science communication practice experts on SSH in order to better understand quality criteria

We are currently analysing the rich data that we collected and plan to publish the results of these studies in 2021. It is important for us that the results also have practical relevance. We feel confirmed in this – several members of our research group have been appointed in the ministry lead think tank *#factorywisskomm*. Two project members became members of the Berlin Brandenburg Academy of Science (BBAW) working on quality in science communication. Our results have been referred to in policy papers by the High-Tech Forum and the Wissenschaftsrat. The High-Tech Forum draws largely on a study we did in collaboration with colleagues from the German Centre for Higher Education Research and Science Studies (DZHW) on open science and open innovation. The Wissenschaftsrat also invoked our study on open data basic literature.

We furthermore host and organise an annual summer school on science communication and societal impact that is based on our research activities, and open to up and coming international researchers from all disciplines. Due to the coronavirus, we did not run the summer school as an in-person event but in multiple online events. We also maintain the blog on science policy and science communication *Elephant in the Lab*, with approx. 30 published articles in 2020 and an average of 5,000 visits per month. In 2020 we published the open access edited volume *twentyforty – Utopias for a Digital Society* and organised an exhibition at Haus der Statistik in Berlin.

RESEARCH GROUPS

Larger research groups develop research in a particular area and bring together projects that correspond to this specific thematic focus. They contribute to the research programmes in selected areas while strengthening disciplinary competences in their respective fields.

Innovation, Entrepreneurship & Society

The *Innovation, Entrepreneurship & Society (IES)* research group pursues its mission to understand, inform and co-create innovation and entrepreneurship in a rapidly changing, globally interconnected digital economy and society. To highlight the interface between economic and societal concerns, we have added society to its name. As we conduct theoretically grounded research and seek to co-create economic and societal value together with businesses, policymakers and the public, we have published several journal and newspaper articles on topics around digital technologies and value creation, collaboration and openness, platforms and ecosystems, and digital social innovation and entrepreneurship. We have also conducted innovative interdisciplinary and collaborative workshops. Additionally, we have published articles in multiple outlets about the impact of COVID-19 as a grand challenge for organisations and about the role of digital technologies as service products and as coordination devices. In 2020, the IES group consisted of five research projects.

The Mittelstand 4.0 Competence Centre Berlin is the cross-industry contact point for small and medium-sized enterprises in Berlin and Brandenburg as well as throughout Germany. The centre is funded by the Federal Ministry for Economic Affairs and Energy (BMWi) and offers various formats to support companies that are thinking about implementing specific digitisation initiatives in acquiring new knowledge and skills and in networking with relevant start-ups. In 2020, we looked at four focus areas: digital business models, collaboration between startups and SMEs, digital education and training, and AI and SMEs. We responded to the challenges of SMEs in the face of the COVID-19 pandemic, adapting formats and creating new ones like webinars (e.g. Business model innovation in times of crisis) and the podcast *Smart Mittelstand*, which draws on use cases and challenges concerning AI integration in SMEs. New workshops (e.g. *Collaborate to Innovate*) bring together startups and established organisations to foster synergies and digital innovation. We have also developed collaboration cards as a form of guidance for SMEs – these contain best practice activities that make an important contribution to strengthening innovation in SMEs. SMEs that want to learn more about AI and the opportunities it brings for their organisation can also gain insights from our two AI trainers. In 2020, we held a total of over 30 consultations and 13 workshops. We are also about to complete seven out of eight strategy sprints. Medium-sized businesses were introduced to new technologies and partners at two fablab tours organised by HIIG and several start-up tours. While providing

hands-on insights for SMEs, the team also developed transferable knowledge about the specific challenges and opportunities SMEs face in these areas, and it published reports, videos, guidelines, journal papers and blog posts.

In the Artificial Intelligence & Knowledge Work – Implications, Opportunities and Risks (KIWI) project, we passed two milestones in 2020. The first milestone involved creating a case collection of German organisations that either apply AI in their existing businesses or offer AI solutions. The collection provides detailed descriptions of 18 organisations in regard to use cases and lessons learned during the adoption or development process. Based on the collection, we studied the consequences of the deployment of AI for work in these organisations. Our analysis revealed four types of consequences: the replacement of work, relief from repetitive task restriction of workers' scope of action, and the genesis of new forms of work to be carried out by machines. The study will be published as a chapter entitled *Artificial Intelligence & the Future of Work* in the book *Corporate Social Responsibility and AI*. The second milestone was a research report for the Federal Ministry of Labour and Social Affairs (BMAS) based on 12 expert interviews. The report indicates that organisations adopt AI primarily to increase workers' efficiency and productivity and reduce costs. It further suggests that one of the key challenges faced by organisations that seek to adopt AI is related to a shortage of human resources both internally and externally (i.e. experts and workers on the labour market with the skills needed to realise AI projects). In addition, we found that the perception of AI differs widely: while some welcome the technology and the potential relief it offers from tedious and repetitive tasks, others fear that the deployment of AI applications will ultimately lead to a replacement of workers. In terms of science communication, we shared our insights at events organised by the BMAS and the *AI & Society Lab*. We further gave interviews to leading newspapers, including *Focus Online*, *Der Freitag* and *Zeit Online*.

In our project Open and Community-based Innovation Processes (OPEN!NEXT) we work in close cooperation with Technische Universität Berlin, ZSI Vienna, Barth University, the Grenoble Institute of Technology in France and 15 other partners in EU countries. The aim of HIIG's research module is to better understand company-community collaboration in open source innovation processes in the hardware area. The project is a Horizon 2020 research project supported by the European Union. In 2020, we completed the impact assessment for the project and focused on questions around the efficiency of product development with open source principles. We found that companies expect faster innovation processes and more creativity from external communities. Additionally, we collected data about six companies that aimed to implement open source principles in their product development process. This is an ongoing research project about the challenges of open source and we aim to finish the data collection in 2021. Last, we conducted a study with four IoT companies about dealing with community contributions. By interviewing company and community members, we identified a separation and integration strategy to deal with the variety of contributions. We presented the paper at the EGOS conference and

plan to submit a version to a journal in early 2021. Journal publications are also planned for the other sub-projects – for instance, we plan an empirical paper about the challenges of implementing open source principles in the hardware area and a literature review about the field of open source hardware.

Research on the European Platform Economy in 2020 was conducted in two projects: *Platform Alternatives*, with support from the Hans Böckler Foundation, and *Data Cooperation Platforms for SMEs (DaPla SME)*, conducted for the German Ministry of Finance. The *Platform Alternatives* project began by studying platformisation across Europe, resulting in a white paper that showed the differing importance of factors such as regulation and market size in determining the advancement of American and European platform firms in different sectors. The key responsibility for authoring the paper was with the Oxford Internet Institute, the consortium partner for the project. Knowledge transfer activities centred on a webinar and virtual workshop at the beginning of June. The online events brought together entrepreneurs and policymakers to discuss pathways for the European platform economy. In the second half of the year, the project shifted emphasis to empirical work consisting of 10 enterprise case studies of European platform organisations. Due to coronavirus travel restrictions, the case studies were all conducted remotely. The project also contributed to expanding the Task Force: European Platform Economy as a multi-stakeholder network. The *DaPla SME* project combined an array of methods to study platforms oriented towards SMEs in Germany, namely a data scientific landscape analysis, desk research, expert interviews and a policy co-creation workshop. The study clarified opportunities and limitations for SMEs that wish to participate in platform-based value creation and business models. It found that less than one quarter of SME-oriented platforms are established by SMEs themselves; instead, startups and large corporations are the main providers of platform offerings for SMEs. Case studies and expert interviews identified a range of factors inhibiting SMEs from taking the lead in platform innovation, such as complex role definitions within platform ecosystems, the lack of identification with platforms among SMEs, as well as uncertainty about data sovereignty, security and protection. Hard factors, such as the lack of semantic standards and data interoperability as well as cost-benefit issues and scarce financial and human resources also represent important obstacles.

AI & Society Lab

The *AI & Society Lab* is an inter- and transdisciplinary research laboratory. It functions as an interface and translator between academia on one side and industry, politics and civil society on the other. During the last year, it conducted four roundtable discussions with the German Office of the EU Commission to create a dialogue on urgent societal questions that arise with AI. The EU Commission's whitebook on AI served as the background to these discussions, which focussed on four issues: IoT and data sharing in the EU, sustainability and AI, inclusion and AI and women and AI. All roundtables involved stakeholders from

different sectors, enabled transdisciplinary discourse and generated collective outcomes, e.g. a position paper on women and AI.

The *AI & Society Lab* also hosted the first pop-up lab, which is its central research format – researchers and stakeholders from different sectors collaboratively explore a previously jointly defined practice-oriented research question and develop concrete outputs in a variety of formats (e.g. workshops, research sprints, hackathons). This particular pop-up lab invited several external researchers to work collectively on the issues that arise with AI in the field of HR.

In October 2020, a research group (BMBF-funded) was established to focus on the concept of public interest AI. In the next four years, the interdisciplinary group of 5 researchers (2 postdocs, 3 PhD candidates) will elaborate on the questions of what specifications AI applications need to fulfil to serve the public interest and what factors might hinder them. Two PhD projects will produce public interest AI prototypes: the first one will use computer vision to determine the accessibility of places for mapping wheelchair friendliness and the second one will create a natural language processing tool to translate German into a simpler language version for readers with various difficulties in understanding German.

Global Constitutionalism and the Internet

In 2020, this research group underwent a substantial reorganisation, following the retirement of the group's former head, Ingolf Pernice. The new project leaders carefully refocused their research questions, with the individual projects increasingly playing a more independent role vis-à-vis the research group. The *Public International Law of the Internet* project broadened its exploration of the normative order of the internet, with a major publication and the start of a publication project with the Max Planck Institute for International Law. It also dedicated attention to freedom of expression on the internet, with another book and a pilot study on Facebook's norm-making system. Towards the end of the year, more substantial work on digital sovereignty rounded off the research efforts. The *Digital Public Administration* project expanded on its work on the increasing application of AI methods in public administrations such as machine learning or automated decision-making, and the implications of this increased use, particularly for the rule of law and the communication between citizens and public administration. The growing Digital Constitutionalism discussion group brings together researchers from HIIG and abroad for regular meetings, either face-to-face or, in coronavirus times, via video conferencing, for presentations by both senior and early-stage digital constitutionalism scholars and to discuss current issues in this field. In 2020, the group began to reach out to other groups and networks that have emerged in the last few years in order to explore how to intensify collaboration and to jointly organise scholarly events.

RESEARCH PROJECTS

Individual research projects add to and strengthen our programme-oriented research but also serve as a means to conduct short-term studies to provide reliable results on current topics.

Third Engagement Report – The Future of Civil Society: Young Engagement in the Digital Age

A vibrant digital civil society is essential for strengthening social cohesion in a digital world. The *Third Engagement Report* (BMFSFJ-funded), published in June 2020, therefore examines the development of civil society in Germany from a digitisation perspective, especially among the young generation (age 14–27) and looks at the complex changes of civic engagement resulting from digitisation. At the same time, the report emphasizes that civil society has an influence on how digitisation is implemented throughout society. Over the course of one year, an interdisciplinary commission, assisted by a project team at HIIG, co-authored the empirical study. Based on the three objectives of promoting a digital engagement culture among young people, strengthening organisations in the engagement sector and developing a digital infrastructure for engagement, a catalogue of recommendations for political action was developed. This concludes the report, which is available on dritterengagementbericht.de. The results of the report were presented and discussed in a livestream panel discussion in June.

Following the *Third Engagement Report*, a series of four events was initiated in 2020 to communicate the contents of the report to stakeholders in the non-profit sector and to discuss the implementation of the recommendations for action with representatives from civil society, science and the digital economy. A digitalisation workshop for engagement organisations formed the prelude to further events in December.

A related project is the portrait series *Jung. Digital. Engagiert.* (BMFSFJ-funded). It presents examples of digital civic engagement on the website jung-digital-engagiert.de, supplemented by scientific contributions. This project makes new types of civic engagement tangible for a larger target group as well as for political actors and the nonprofit sector of associations and foundations, in which digital practices do not yet play a central role. At the same time, *Jung. Digital. Engagiert.* is a symbol of appreciation and recognition for the civically engaged individuals.

Innovative Open Access in Small Sciences (InnOAccess)

The DFG-funded project *InnOAccess*, executed together with Leibniz Information Centre for Economics (ZBW), takes the dynamic and diverse open access (OA) ecosystem as a starting point and aims to practically improve the situation of scholar-led journals in small research fields such as internet regulation, media informatics or journalism. Using the HIIG-initiated *Internet Policy Review* as an example, the project aims to improve editorial infrastructures, to design sustainable open access funding modules for small science contexts and to test new network and cooperation models. As part of the project, several networking events and meetings have been held in order to gain further insights into the OA ecosystem in Germany. Preliminary results and recommendations for sustaining scholar-led journal publishing were presented remotely at the *Open Access Days* in Bielefeld and with a poster presentation at the Conference of *Open Access Scholarly Publishing* in Warsaw. The results of the survey, the conceptual work and drafts of the respective white papers were remotely discussed at the project's concluding transfer workshops in September and October 2020 with representatives of journals, libraries, platforms and publishing houses. The white papers will be finalised by February 2021 and published with the *HIIG Discussion Paper Series*.

PUBLICATIONS AND EDITED WORKS
BY THE INSTITUTE AND ITS RESEARCHERS

ACADEMIC ARTICLES

Bächle, T. C. (2020). Enter ALGORITHMIC ARTIST – (Un)dead authors and (un)intelligent art. *Kodex: Jahrbuch der Internationalen Buchwissenschaftlichen Gesellschaft, 10*, 129 – 144.

Bareis, J. (2020). Roboterethik. Abgesang auf die anthropologische Prämisse? *Zeitschrift für Technikfolgenabschätzung in Theorie und Praxis*, *29*(2), 64 – 65.

Beck, S., Bergenholtz, C., Bogers, M., Brasseur, T.-M., Conradsen, M. L., Marco, D. di, Distel, A. P., Dobusch, L., Dörler, D., Effert, A., Fecher, B., Filiou, D., Frederiksen, L., Gillier, T., Grimpe, C., Gruber, M., Haeussler, C., Heigl, F., Hoisl, K., Hyslop, H., Kokshagina, O., LaFlamme, M., Lawson, C., Lifshitz-Assaf, H., Lukas, W., Nordberg, M., Norn, M. T., Poetz, M., Ponti, M., Pruschak, G., Priego, L. P., Radziwon, A., Rafner, J., Romanova, G., Ruser, A., Sauermann, H., Shah, S. K., Sherson, J. F., Suess-Reyes, J., Tuertscher, C. T., P., Vedel, J. B., Velden, T., Verganti, R., Wareham, J., Wiggins, A., & Xu, S. M. (2020). The Open Innovation in Science research field: a collaborative conceptualisation approach. *Industry and Innovation*.

Bertolini, A., Borkert, M., Ferrari, F., Graham, M., Katta, S., Kocher, E., & Witte, K. (2020). Fairwork Germany Ratings 2020: Arbeitsstandards in der Plattformökonomie. *Fairwork*.

Beytía, P. (2020). The Positioning Matters: Estimating Geographical Bias in the Multilingual Record of Biographies on Wikipedia. *WWW '20: Companion Proceedings of the Web Conference 2020*, 806 – 810.

Beytía, P., & Schobin, J. (2020). Networked Pantheon: a Relational Database of Globally Famous People. *Research Data Journal for the Humanities and Social Sciences, 5*, 1 – 16.

Block, K., & Dickel, S. (2020). Jenseits der Autonomie: Die De/Problematisierung des Subjekts in Zeiten der Digitalisierung. *Behemoth – A Journal on Civilisation, 13(*1).

Bock, K., Kühne, C. R., Mühlhoff, R., Ost, M. R., Pohle, J., & Rehak, R. (2020). Das Verfahren geht weit über „die App" hinaus – Datenschutzfragen von Corona-Tracing-Apps. *Informatik Spektrum, 43*, 334–338.

Bock, K., Kühne, C. R., Mühlhoff, R., Ost, M. R., Pohle, J., & Rehak, R. (2020). Die Grenze der App ist nicht die Grenze der Verarbeitung. *FIfF Kommunikation, 37*(2), 8–10.

Bock, K., Kühne, C. R., Mühlhoff, R., Ost, M. R., Pohle, J., & Rehak, R. (2020). Tracing-Apps datenschutzfreundlich gestalten und betreiben – Die Datenschutz-Folgenabschätzung als Diskussionsermöglicher und Gestaltungsinstrument. *Datenschutz Nachrichten, 43*(2), 92–95.

Bohn, S., Friederici, N., & Gümüşay, A. A. (2020). Too big to fail us? Platforms as systemically relevant. *Internet Policy Review*.

Brack, S., Reichert, L., & Scheuermann, B. (2020). Decentralized Contact Tracing Using a DHT and Blind Signatures. *Cryptology ePrint Archive*, 2020(398).

Braesemann, F., & Stephany, F. (2020). Between Bonds and Bridges: Evidence from a Survey on Trust in Groups. *Social Indicators Research*, 1–18.

Ellersiek, A., Sokolovska, N., & Fecher, B. (2020). A Case Study on Scientific Policy Advice: Lessons learned from the German Science Platform Sustainability 2030. *SSOAR*.

Friederici, N., Meier, P., & Gümüşay, A. A. (2020). An opportunity for inclusion? Digital platform innovation in times of crisis. *Pioneers Post*.

Gorwa, R., Binns, R., & Katzenbach, C. (2020). Algorithmic Content Moderation: Technical and Political Challenges in the Automation of Platform Governance. *Big Data & Society, 7*(1).

Grafenstein, M. v. (2020). Innovationsoffener Datenschutz durch Folgenabschätzungen und Technikgestaltung. *Datenschutz und Datensicherheit – DuD, 44*(3), 172–175.

Grafenstein, M. v., Jakobi T., Gegner, C., Labadie, C., Mertens, P., Öksüz, A., & Stevens, G. (2020). The Role of IS in the Conflicting Interests Regarding GDPR. *Business & Information Systems Engineering*.

Grafenstein, M. v., Jakobi, T., Stevens, G., Seifert, A.-M., & Becker, M. (2020). Web Tracking Under the New Data Protection Law: Design Potentials at the Intersection of Jurisprudence and HCI. *i-com, 19*(1), 31–45.

Gümüşay, A. A., & Dobusch, L. (2020). This Is Not (Digital) Business as Usual – The universality of having to operate with limited in-person experiences is reducing the stigma often associated with online interactions. *MIT Sloan Management Review*.

Gümüşay, A. A., Claus, L., & Amis, J. (2020). Engaging with Grand Challenges: An Institutional Logics Perspective. *Sage Journals – Organization Theory*.

Gümüşay, A. A. (2020). The Plurality and Prevalence of the Religious Institutional Logic. *Business & Society, 59*(5), 855–880.

Gümüşay, A. A., & Amis, J. M. (2020). Contextual Expertise and the Development of Organization and Management Theory. *European Management Review*.

Gümüşay, A. A., & Smets, M. (2020). New Hybrid Forms and Their Liability of Novelty. *emerald insight*.

Gümüşay, A. A., Smets, M., & Morris, T. (2020). Creating Space for Religious Diversity at Work. *Harvard Business Review*.

Gümüşay, A. A., Smets, M., & Morris, T. (2020). 'God at Work': Engaging Central and Incompatible Institutional Logics through Elastic Hybridity. *Academy of Management Journal*, *63*(1), 124–154.

Hendriks, F., Mayweg-Paus, E., Felton, M., Iordanou, K., Jucks, R., & Zimmermann, M. (2020). Constraints and Affordances of Online Engagement With Scientific Information – A Literature Review. *Frontiers in Psychology, 11*(572744).

Henningsen, S., Florian, M., Rust, S., & Scheuermann, B. (2020). Mapping the Interplanetary Filesystem. *IFIP Networking 2020*.

Kettemann, M. C. (2020). A ordem normativa da Internet. *Revista Culturas Jurídicas, 7*(17), 224–239.

Kettemann, M. C., & Tiedeke, A. S. (2020). Back up: can users sue platforms to reinstate deleted content? *Internet Policy Review, 9*(2).

Koulu, R. (2020). Human Control over Automation: EU Policy and AI Ethics. *EJLS – European Journal of Legal Studies, 12*(1), 9–46.

Laufer, M. (2020). Crossing academic borders: exploring the role of social capital in academic hiring. *Comparative Education, 56*(3).

Linek, S. B., Fecher, B., Friesike, S., Hebing, M., & Wagner, G. G. (2020). Gender-Related Differences in Scientific Collaboration Depend on Working Conditions. *INTED2020 Proceedings*, 999–1008.

Magalhães, J. C., & Katzenbach, C. (2020). Coronavirus and the frailness of platform governance. *Internet Policy Review*.

Rauchfleisch, A., & Kaiser, J. (2020). The German far-right on YouTube: An analysis of user overlap and user comments. *Journal of Broadcasting & Electronic Media, 64*(3), 396.

Rebitschek, F., & Wagner, G. (2020). Acceptance of assistive robots in the field of nursing and healthcare. *Zeitschrift für Gerontologie und Geriatrie, 53*, 637–643.

Regierer, C., Theobald, O., Schildhauer, T, & Freimuth, J. (2020). Qualitätszeit für erweiterte Beratung – Digitalisierter Wandel in der Wirtschaftsprüfung. *OrganisationsEntwicklung – Zeitschrift für Unternehmensentwicklung und Change Management, 2020*(2), 20–24.

Reichert, L. , Brack, S., & Scheuermann, B. (2020). Privacy-Preserving Contact Tracing of COVID-19 Patients. *IEEE Symposium on Security and Privacy*, 41.

Reisdoerfer, B. R., & Toso de Alcântara, B. (2020). Germany as a Leader in Determining Cyber Threats in the European Union? *Carta internacional, 15*(2), 163–189.

Rodrigues, E., Shearer, K., Ross-Hellauer, T., Fecher, B., & Carvalho, J. (2020). Em busca de um sistema de comunicação inovador e sustentável para a ciência aberta. *Ciência da Informação, 48*(3), 66 – 76.

Schoppmann, P., Vogelsang, L., Gascón, A., & Balle, B. (2020). Secure and Scalable Document Similarity on Distributed Databases: Differential Privacy to the Rescue. *Proceedings on Privacy Enhancing Technologies, 2020*(2), 209–229.

Stammler, S., Kussel, T., Schoppmann, P., Stampe, F., Tremper, G., Katzenbeisser, S., Hamacher, K., & Lablans, M. (2020). Mainzelliste SecureEpiLinker (MainSEL): Privacy-Preserving Record Linkage using Secure Multi-Party Computation. *Bioinformatics*.

Stephany, F. (2020). It's not only size that matters: determinants of Estonia's e-governance success. *Electronic Government, 16*(3), 304 – 313.

Stephany, F., Braesemann, F., & Graham, M. (2020). Coding together – coding alone: the role of trust in collaborative programming. *Information, Communication & Society*, 1 – 18.

Stephany, F., Dunn, M., Sawyer, S., & Lehdonvirta, V. (2020). Distancing Bonus Or Downscaling Loss? The Changing Livelihood of US Online Workers in Times of COVID-19. *Journal of Economic and Social Geography*.

Tennant, J., Francuzik, W., Dunleavy, D. J., Fecher, B., Gonzalez-Marquez, M., & Steiner, T. (2020). Open Scholarship as a mechanism for the United Nations Sustainable Development Goals. *SocArXiv*.

Toso de Alcântara, B. (2020). The Three "Cyber Logics" and Their Implications to Cyber Conflicts: Germany, France, and the United Kingdom as Case Studies. *Conference: 19th European Conference on Cyber Warfare and Security*.

Toso de Alcântara, B. (2020). Cyber espionage in times of COVID-19. *Rede CTIDC*.

Vogelsang, L., Lehne, M., Schoppmann, P., Prasser, F., Thun, S., Scheuermann, B., & Schepers, J. (2020). A Secure Multi-Party Computation Protocol for Time-To-Event Analyses. *IOS Press Ebook Series: Studies in Health Technology and Informatics, 270,* 8–12.

Wegwarth, O., Wagner, G., Spies, C., & Hertwig, R. (2020). Assessment of German Public Attitudes Toward Health Communications With Varying Degrees of Scientific Uncertainty Regarding COVID-19. *JAMA Network, 3*(12).

Wegwarth, O., Wagner, G., Spies, C., & Hertwig, R. (2020). Communicating uncertainty about facts and numbers of COVID-19 with increasing precisions: Results from a national survey in Germany. *JAMA Network, 3*(12).

Wernick, A., Olk, C., & Grafenstein, M. v. (2020). Defining Data Intermediaries. *Technology and Regulation*, 65–77.

Wrzesinski, M., Dubois, F., Katzenbach, C., Waidlein, N., & Tochtermann, K. (2020). *Small but sustainable? Scholar-led journals and open access* [Conference poster]. Conference on Open Access Scholarly Publishing (COASP).

BOOKS

Benedek, W., & Kettemann, M. C. (2020). *Freedom of Expression on the Internet*. Strasbourg: Europarat.

Friederici, N., Wahome, M., & Graham, M. (2020). *Digital Entrepreneurship in Africa – How A Continent Is Escaping Silicon Valley's Long Shadow*. Cambridge: The MIT Press.

Herbst, D., & Schildhauer, T. (2020). *Public Relations und Digitalisierung*. Cologne: Herbert von Halem Verlag.

Kahn, R. (2020). *World Feature Focus: Habitats*. London: Franklin Watts.

Kettemann, M. C. (2020). *The Normative Order of the Internet. A Theory of Online Rule and Regulation*. Oxford: Oxford University Press.

Tiemann-Kollipost, J. (2020). *Political Participation in the Digital Age An Ethnographic Comparison Between Iceland and Germany*. Bielefeld: transcript.

BOOK CONTRIBUTIONS AND CHAPTERS

Bächle, T. C. (2020). Narrative der digitalen Überwachung. In K. Hauptmann, M. Hennig & H. Krah (Eds.), *Narrative der Überwachung. Typen, mediale Formen und Entwicklungen* (pp. 225 – 253). Berlin: Peter Lang.

Bächle, T. C. (2020). Das digitale Selbst. In M. Heßler & K. Liggieri (Eds.), *Handbuch Historische Technikanthropologie* (pp. 273–278). Baden-Baden: Nomos.

Bächle, T. C. (2020). Die Spur des simulierten Anderen – Humanoide soziale Roboter und die Imitation des Emotionalen. In P. Klimczak, S. Schilling & C. Petersen (Eds.), *Maschinen (in) der Kommunikation – Forschung im digitalen Zeitalter* (pp. 143–164). Wiesbaden: Springer VS.

Bächle, T. C. (2020). Appropriating God – zur sich wandelnden Medialität religiöser Erfahrung. In S. Maasen & D. Atwood (Eds.), *Immanente Religion – Transzendente Technologie*. Opladen: Verlag Barbara Budrich.

Bächle, T. C., Regier, P., & Bennewitz, M. (2020). Sensoren. In M. Heßler & K. Liggieri (Eds.), *Handbuch Historische Technikanthropologie* (pp. 564–569). Baden-Baden: Nomos.

Bieber, C., Dickel, S., Grunert, C., Hofmann, J., Riekmann, W., & Haas, C. (2020). Engagement im Wandel: Perspektiven auf demokratisches Zusammenleben. In Bundesministerium für Familie, Senioren, Frauen und Jugend (Ed.), *Dritter Engagementbericht – Zukunft Zivilgesellschaft: Junges Engagement im digitalen Zeitalter. Bundestagsdrucksache 19/19320* (pp. 132 – 140). Berlin: Bundesanzeiger Verlag.

Bieber, C., Hofmann, J., Grünewald-Schukalla, L., & Züger, T. (2020). Engagement und digitale Plattformen: Plattformisierung des Engagements? In Bundesministerium für Familie, Senioren, Frauen und Jugend (Ed.), *Dritter Engagementbericht – Zukunft Zivilgesellschaft: Junges Engagement im digitalen Zeitalter. Bundestagsdrucksache 19/19320* (pp. 119 – 131). Berlin: Bundesanzeiger Verlag.

Emmer, M., Grunert, C., Reinders, H., & Haas, C. (2020). Engagement junger Menschen im digitalen Zeitalter. In Bundesministerium für Familie, Senioren, Frauen und Jugend (Ed.), *Dritter Engagementbericht – Zukunft Zivilgesellschaft: Junges Engagement im digitalen Zeitalter. Bundestagsdrucksache 19/19320* (pp. 51 – 74). Berlin: Bundesanzeiger Verlag.

Ernst, C., & Bächle, T. C. (2020). Interface. In M. Heßler & K. Liggieri (Eds.), *Handbuch Historische Technikanthropologie* (pp. 408–412). Baden-Baden: Nomos.

Fecher, B., Deacon, B., Ingen-Housz, T., & Sokolovska, N. (Eds.) (2020). An Unlikely Experiment. In B. Fecher (Ed.), *twentyfourty – Utopias for the Digital Society* (pp. 9 – 15). Berlin: Alexander von Humboldt Institute for Internet and Society.

Göcke, L., & Meier, P. (2020). Development and Validation of Platform Businesses in Digital Entrepreneurship. In M. Soltanifar, M. Hughes & L. Göcke (Eds.), *Digital Entrepreneurship – Impact on Business and Society* (pp. 87 – 102). Cham: Springer.

Henningsen. S., Rust, R., Florian, M., & Scheuermann, B. (2020). Demo: Crawling the IPFS Network. In IFIP (Ed.), *Proc. of IFIP Networking* (pp. 679 – 680). Amsterdam: IFIP.

Hofmann, J. (2020). The Multistakeholder Concept as Narrative: A Discourse Analytical Approach. In L. DeNardis, D. Cogburn, N. S. Levinson, & F. Musiani (Eds.), *Researching Internet Governance: Methods, Frameworks, Futures* (pp. 253 – 268). Cambridge, MA: The MIT Press.

Hofmann, J. (2020). Mediatisierte Demokratie in Zeiten der Digitalisierung. Eine Forschungsperspektive. In J. Hofmann, N. Kersting, C. Ritzi & W. J. Schünemann (Eds.), *Politik in der digitalen Gesellschaft. Zentrale Problemfelder und Forschungsperspektiven* (pp. 27 – 45). Bielefeld: transcript.

Hofmann, J. (2020). Digitale Kommunikationsinfrastrukturen. In T. Klenk, F. Nullmeier & G. Wewer (Eds.), *Handbuch Digitalisierung in Staat und Verwaltung* (pp. 1 – 11). Wiesbaden: Springer VS.

Hofmann, J., Kersting, N., Ritzi, C., & Schünemann, W. J. (2020). Politikwissenschaft und die digitale Gesellschaft. In J. Hofmann, N. Kersting, C. Ritzi & W. J. Schünemann (Eds.), *Politik in der digitalen Gesellschaft. Zentrale Problemfelder und Forschungsperspektiven* (pp. 9–24). Bielefeld: transcript.

Hüther, M., Riekmann, W., & Grünewald-Schukalla, L. (2020). Die Digitalisierung des Engagementsektors und seiner Organisationen. In Bundesministerium für Familie, Senioren, Frauen und Jugend (Ed.), *Dritter Engagementbericht – Zukunft Zivilgesellschaft: Junges Engagement im digitalen Zeitalter. Bundestagsdrucksache 19/19320* (pp. 96 – 118). Berlin: Bundesanzeiger Verlag.

Jager, W., Abramczuk, K., Komendant-Brodowska, A., Baczko-Dombi, A., Fecher, B., Sokolovska, N., & Spits, T. (2020). Looking into the Educational Mirror: Why Computation Is Hardly Being Taught in the Social Sciences, and What to Do About It. In Harko. Verhagen, M. Borit, G. Bravo & N. Wijermans (Eds.), *Springer Proceedings in Complexity* (pp. 239 – 245). Cham: Springer.

Kettemann, M. C. (2020). Deontology of the Digital: The Normative Order of the Internet. In M. C. Kettemann (Ed.), *Navigating Normative Orders. Interdisciplinary Perspectives* (pp. 67 – 91). Frankfurt am Main: Campus Verlag.

Kettemann, M. C. (2020). Internet Governance. In D. Jahnel, P. Mader, & E. Staudegger (Eds.), *Internetrecht*, *4*. Vienna: Verlag Österreich.

Ogolla, S., & Send, H. (2020). Konkurrent oder Komplementär? Herausforderungen und Potenziale beim Einsatz von Enterprise Social Networks im Kontext betrieblicher Mitbestimmung. In V. Bader & S. Kaiser (Eds.), *Arbeit in der Data Society – Zukunftsvisionen für Mitbestimmung und Personalmanagement* (pp. 131 – 149). Wiesbaden: Springer Gabler.

Pohle, J. (2020). On Measuring Fundamental Rights Protection: Can and Should Data Protection Law Learn From Environmental Law? In The Global Constitutionalism and the Internet Working Group (Ed.), *Don't Give Up, Stay Idealistic and Try To Make the World a Better Place – Liber Amicorum for Ingolf Pernice* (pp. 71–79). Berlin: Alexander von Humboldt Institute for Internet and Society.

Pohle, J., Schwarz, R., & Höppner, U. (2020). Researching Global Constitutionalism and the Internet at HIIG: The Game is On. In The Global Constitutionalism and the Internet Working Group (Ed.), *Don't Give Up, Stay Idealistic and Try To Make the World a Better Place – Liber Amicorum for Ingolf Pernice* (pp. 7–22). Berlin: Alexander von Humboldt Institute for Internet and Society.

Richthofen, G. (2020). Algorithmisches Management und seine Folgen: Arbeiten in der Sharing Economy. In J. Nachtwei & A. Sureth (Eds.), *Sonderband Zukunft der Arbeit* (pp. 428 – 431). Berlin: VCP.

Schulz, W., & Potthast, K. C. (2020). Medienrecht. In W. Hoffmann-Riem & H. Koch (Eds.), *Landesrecht Hamburg. Hamburgisches Staats- und Verwaltungsrecht* (pp. 335 – 364). Baden-Baden: Nomos.

EDITED WORKS AND BOOK SERIES

Ahlers, M., Grünewald-Schukalla, L., Jóri, A., & Schwetter, H. (Eds.) (2020). *Musik & Empowerment*. Wiesbaden: Springer VS.

Eibl, J. (2020). Privatheit durch Bargeld? In J. Hofmann, M. C. Kettemann, B. Scheuermann, T. Schildhauer & W. Schulz (Eds.), *Internet und Gesellschaft*, 21. Tübingen: Mohr Siebeck.

Fecher, B. (Ed.) (2020). *twentyforty – Utopias for a Digital Society*. Berlin: Humboldt Institute for Internet and Society.

Hofmann, J., Kersting, N., Ritzi, C., & Schünemann, W. J. (Eds.) (2020). *Politik in der digitalen Gesellschaft*. Bielefeld: transcript.

Katsikas, S., Cuppens, F., Cuppens, N., Lambrinoudakis, C., Kalloniatis, C., Mylopoulos, J., Antón, A., Gritzalis, S., Pallas, F., Pohle, J., Sasse, A., Meng, W., Furnell, S., & Garcia-Alfaro, J. (Eds.) (2020). *Computer Security. ESORICS 2019 International Workshops, CyberICPS, SECPRE, SPOSE, and ADIoT, Luxembourg City, Luxembourg, September 26–27, 2019 Revised Selected Papers*. Cham: Springer.

Kettemann, M. C. (Ed.) (2020). *Navigating Normative Orders. Interdisciplinary Perspectives*. Frankfurt am Main: Campus Verlag.

Klein, U. (2020). Rechtsrealismus und Digitalwirtschaft. In J. Hofmann, M. C. Kettemann, B. Scheuermann, T. Schildhauer & W. Schulz (Eds.), *Internet und Gesellschaft*, 19. Tübingen: Mohr Siebeck.

Pernice, I. (2020). Staat und Verfassung in der Digitalen Konstellation. In J. Hofmann, M. C. Kettemann, B. Scheuermann, T. Schildhauer & W. Schulz (Eds.), *Internet und Gesellschaft*, 18. Tübingen: Mohr Siebeck.

Schur, N. (2020). Die Lizenzierung von Daten. In J. Hofmann, M. C. Kettemann, B. Scheuermann, T. Schildhauer & W. Schulz (Eds.), *Internet und Gesellschaft*, 20. Tübingen: Mohr Siebeck.

The Global Constitutionalism and the Internet Working Group (Ed.) (2020). *Don't Give Up, Stay Idealistic and Try To Make the World a Better Place – Liber Amicorum for Ingolf Pernice*. Berlin: Alexander von Humboldt Institut for Internet and Society.

WORKING PAPERS

AI & Society Lab (Ed.) (2020). Positionspapier der Teilnehmenden des Roundtable KI von und für Frauen* am 13. Oktober 2020. *HIIG Discussion Paper Series, 2020*(4).

Benkler, Y., Tilton, C., Etling, B., Roberts, H., Clark, J., Faris, R., Kaiser, J., & Schmitt, C. (2020). Mail-In Voter Fraud: Anatomy of a Disinformation Campaign. *Harvard DASH*.

Bernstein, A., de Vreese, C., Helberger, N., Schulz, W., Zweig, K., Baden, C., Beam, M. A., Hauer, M. P., Heitz, L., Jürgens, P., Katzenbach, C., Kille, B., Klimkiewicz, B., Loosen, W., Moeller, J., Radanovic, G., Shani, G., Tintarev, N., Tolmeijer, S., van Atteveldt, W., Vrijenhoek, S., & Zueger, T. (2020). Diversity in News Recommendations. *arXiv Computers and Society*.

Beytía, P., Cruz Infante, C. (2020). Digital Pathways, Pandemic Trajectories. Using Google Trends to Track Social Responses to COVID-19. *HIIG Discussion Paper Series, 2020*(1).

Bloch-Wehba, H., Fernandez, A., Morar, D. (2020). Making Audits Meaningful. *Research Sprint on AI and Content Moderation*.

Braesemann, F., & Stephany, F. (2020). Measuring Digital Development with Online Data: Digital Economies in Eastern Europe and Central Asia. *SocArXiv Papers*.

Braesemann, F., & Stephany, F. (2020). Social media self-branding and success: Quantitative evidence from a model competition. *arXiv Computers and Society*.

Cowls, J., Darius, P., Golunova, V., Mendis, S., Prem, E., Santistevan, D., & Wang, W. (2020). Freedom of Expression in the Digital Public Sphere. *Research Sprint on AI and Content Moderation*.

Darius, P., & Stephany, F. (2020). How the Far-Right Polarises Twitter: 'Highjacking' Hashtags in Times of COVID-19. *arXiv*.

Dunn, M., Stephany, F., Swayer, S., Munoz, I., Raheja, R., Vaccaro, G., & Lehdonvirta, V. (2020). When Motivation Becomes Desperation: Online Freelancing During the COVID-19 Pandemic. *SocArXiv Papers*.

Fecher, B., Sokolovska, N., Völker, T., Nebe, P., & Kahn, R. (2020). Making a Research Infrastructure: Conditions and Strategies to Transform a Service into an Infrastructure. *SSOAR*.

Florian, M., Henningsen, S., & Scheuermann, B. (2020). The Sum of Its Parts: Analysis of Federated Byzantine Agreement Systems. *arXiv*.

Grafenstein, M. v. (2020). How to build data-driven innovation projects at large with data protection by design. *HIIG Discussion Paper Series*, 2020(3).

Hofmann, J. (2020). Corona-Tracking als Spiegel politischer Strategien. *WZB – Coronavirus and its Societal Impact*.

Iglesias Keller, C. (2020). Exception and Harmonization: Three Theoretical Debates on Internet Regulation. *HIIG Discussion Paper Series, 2020*(2).

Iramina, A., Spencer-Smith, C., Yan, W. (2020). Disclosure Rules for Algorithmic Content Moderation. *Research Sprint on AI and Content Moderation*.

Kettemann, M. C. (2020). The Normative Order of the Internet. *Normative Orders Working Paper*, 2020(01).

Kettemann, M. C., & Schulz, W. (2020). Setting Rules for 2.7 Billion. A (First) Look into Facebook's Norm-Making System: Results of a Pilot Study. *Working Papers of the Hans-Bredow-Institut | Works in Progress #* 1.

Krell, T., Braesemann, F., Stephany, F., Friederici, N., & Meier, P. (2020). A Mixed-Method Landscape Analysis of SME-focused B2B Platforms in Germany. *Social Science Research Network*.

Reichert, L., Brack, S., & Scheuermann, B. (2020). A Survey of Automatic Contact Tracing Approaches Using Bluetooth Low Energy. *Cryptology ePrint Archive*.

Salem, H., & Stephany, F. (2020). Wikipedia: A Challenger's Best Friend? Utilising Information-seeking Behavior patterns to Predict US Congressional Elections. *arXiv*.

Sawyer, S., Dunn, M., Munoz, I., Stephany, F., Raheja, R., Vaccaro, G., & Lehdonvirta, V. (2020). Freelancing Online During the COVID-19 Pandemic. *Microsoft New Future of Work*.

Stephany, F. (2020). Does it Pay Off to Learn a New Skill? Revealing the Economic Benefits of Cross-Skilling. *arXiv econ*.

Stephany, F. (2020). There is Not One But Many AI: A Network Perspective on Regional Demand in AI Skills. *OSF Preprints*.

Stephany, F., Stoehr, N., Darius, P., Neuhäuser, L., Teutloff, O., & Braesemann, F. (2020). The CoRisk-Index: A data-mining approach to identify industry-specific risk assessments related to COVID-19 in real-time. *arXiv econ*.

NON-ACADEMIC PUBLICATIONS AND BLOG POSTS

Bieber, C., Dickel, S., Emmer, M., Grunert, C., Hofmann, J., Hüther, M., Joost, G., Reinders, H., & Riekmann, W. (2020). *Dritter Engagementbericht – Zukunft Zivilgesellschaft: Junges Engagement im digitalen Zeitalter*. Berlin: Bundesanzeiger Verlag.

Bock, K., Kühne, C. R., Mühlhoff, R., Ost, M. R., Pohle, J., & Rehak, R. (2020). *Data Protection Impact Assessment for the Corona App*. Bremen: FIfF.

Brack, S., Hofmann, J., Reichert, L., & Scheuermann, B. (2020). Tracing-Technologien: Die Corona-App Ihres Vertrauens. *netzpolitik.org*.

Braesemann, F., & Stephany, F. (2020). Why the Digital Society needs the Open Society. *OII Blog*.

Fecher, B. (2020). The Great Upda^te of Research. *The Network of Centers Collection*.

Fischer, G., & Grünewald-Schukalla, L. (2020). Memes als niedrigschwellige politische Praxis. *tv diskurs.Verantwortung in audiovisuellen Medien*, *24*(2), 22 – 25.

Friederici, N. (2020). Towards a fair and equitable European platform economy. *CARTA – der Autor*innenblog zu Politik, Kultur, Ökonomie und Theorie*.

Friederici, N., Krell, T., Meier, P., Braesemann, F., & Stephany, F. (2020). *Plattforminnovation im Mittelstand*. Berlin: Alexander von Humboldt Institute for Internet and Society.

Gerling, C. (2020). Innovation durch Kollaboration – Wenn Mittelstand und Start-ups ihre Kräfte vereinen – Interview mit Michael Sauer. *Gemeinsam-digital.de*.

Grafenstein, M. v., Jakobi, T., & Wunderlich, L. (2020). Der Kiezkartograph mit Datenspende. *StadtManufaktur*.

Gümüşay, A. A. (2020). Werte schaffen in der Krise. *Süddeutsche Zeitung*.

Haas, C. (2020). Vermittlung und Förderung von Engagement via Plattformen. *Jung. Digital. Engagiert.*

Haas, C. (2020). Entwicklung und Vermittlung von digitalen Technologien. *Jung. Digital. Engagiert.*

Haas, C. (2020). Digitalisierung als Thema des Engagements. *Jung. Digital. Engagiert.*

Haas, C. (2020). Digitale Diskurskultur und Politische Meinungsbildung. *Jung. Digital. Engagiert.*

Haas, C. (2020). Digitale Schnittstellen zwischen Staat und Zivilgesellschaft. *Jung. Digital. Engagiert.*

Haas, C. (2020). Kollaborative Problemlösung und Wissensproduktion. *Jung. Digital. Engagiert.*

Hofmann, J. (2020). Was von Corona-Apps übrig bleibt. Eine Infrastruktur-Perspektive. *WZB-Mitteilungen, 168*, 33 – 35.

Kettemann, M. C. (2020). It's promising that things are moving in the direction of more cooperation. In Friedrich-Ebert-Stiftung (Ed.), *Wer regiert das Internet? (pp. 26 – 30)*. Bonn: Friedrich-Ebert-Stiftung.

Kettemann, M. C. (2020). Wir brauchen eine solide Rechtfertigungs-Governance. *Frankfurter interdisziplinäre Debatte Blog.*

Kettemann, M. C. (2020). Input Paper for the Stakeholder Dialogue on the Digital Cooperation Architecture. *Missions Publiques*.

Kettemann, M. C., & Schulz, W. (2020). Inside Facebook, Tagesspiegel Background Digitalisierung & KI. *Tagesspiegel Background Digitalisierung und KI*.

Kettemann, M. C., & Schulz, W. (2020). Fünf Jahre Haft für kritische Berichte? Ungarns Demokratie als Opfer von Corona. *Media Research Blog.*

Kettemann, M. C., Kleinwächter, W., Senges, M., & Schweiger, J. (2020). How to Build an Enhanced Mechanism for Digital Cooperation. A Multistakeholder Statement from Germany. *Comments on Recommendation 5A/B of the UN High Level Panel on Digital Cooperation*.

Kettemann, M. C., Kleinwächter, W., Senges, M., & Schweiger, J. (2020). Cross-Pollination in Cyberspace and the Internet Governance "Spaghetti-Ball": How to Design a Global Mechanism for Digital Cooperation? *CircleID*.

Laufer, M., & Meta Group (2020). Supporting international doctoral students. *Pathways to practice*.

Lehdonvirta, V., Park, S., Krell, T., & Friederici, N. (2020). *Platformization in Europe. Global and local digital intermediaries in the retail, taxi, and food delivery industries*. Oxford/Berlin: Oxford Internet Institute/Alexander von Humboldt Institute for Internet and Society.

Meier, P. (2020). Berliner KI-Ökosystem im europäischen Vergleich auf Augenhöhe mit London und Paris. *ki-berlin Blog*.

Mosene, K., Dinar, C., Koster, A.-K., & Schmidt, F. (2020). Zoff um Wiki. *Missy Magazin*, *2020*(3).

Ogolla, S., & Hard, V. (2020). KI-Beispiele aus der betrieblichen Praxis. In Bundesministerium für Arbeit und Soziales (Ed.), *Begleitband zur deutschen EU-Ratspräsidentschaft* (pp. 246–257). Berlin: Bundesministerium für Arbeit und Soziales.

Ogolla, S., & Send, H. (2020). KI und Wissensarbeit – Implikationen, Möglichkeiten und Herausforderungen. In Bundesministerium für Arbeit und Soziales (Ed.), *Begleitband zur deutschen EU-Ratspräsidentschaft* (pp. 242–245). Berlin: Bundesministerium für Arbeit und Soziales.

Ogolla, S., Klöpper, M., Send, H., Straub, T., Hard, V., & Grünenberg J. (2020). *Digitale Partizipationsplattformen und betriebliche Mitbestimmung. Eine empirische Analyse des Einsatzes von Enterprise Social Software (ESS) in der betrieblichen Praxis*. Düsseldorf: Hans-Böckler-Stiftung.

Pohle, J., & Hölzel, J. (2020). *Anonymisierung aus Sicht des Datenschutzes und des Datenschutzrechts*. Bonn: Der Bundesbeauftragte für den Datenschutz und die Informationsfreiheit.

Salem, H., & Stephany, F. (2020). Wikipedia: A Challenger's Best Friend? *OII Blog*.

Schmidt, M., Fecher, B., Kobsda, C., & Koch, E. (2020). Open Access in Near Time. *Elephant in the Lab*.

Schulz, W. (2020). Positionierung von Medien in Zeiten von Krisen. *Media Research Blog*.

Specht-Riemenschneider, L., Baur, N., Dehmel, S., Grimm, V., Kenning, P., Liedke, C., Micklitz, H. W., Scharioth, S., & Wagner, G. (2020). Five maxims for platform regulation from the consumer perspective. *The Advisory Council for Consumer Affairs (SVRV)*.

Stephany, F. (2020). Beyond Contact-Tracing Apps – How Trust Shapes E-Governance. *OII Blog*.

Stephany, F. (2020). The pandemic depresses online labour markets, but some countries are bouncing back – Insights from South Korea, Germany, and the United States. *OII Blog*.

Stephany, F. (2020). Pandemic's effects on online freelance work: distancing dividend or downscaling loss? *OII Blog*.

Stephany, F. (2020). Science Without a Question. *Elephant in the Lab*.

Stephany, F., & Darius, P. (2020). Hijacking Hashtags in Times of COVID-19: How the Far-Right Polarises Twitter. *OII Blog*.

Stephany, F., Braesemann, F., Stoehr, N., Darius, P., Teutloff, O., & Neuhäuser, L. (2020). How worried are businesses about COVID-19? A novel indicator measures industry-specific risk assessments in times of the pandemic. *OII Blog*.

Stephany, F., Lehdonvirta, V., Dunn, M., & Sawyer, S. (2020). Pandemic-proof jobs? IT freelancers in high demand, other online workers facing cuts. *iLabour Blog OII*.

Ulich, A. (2020). Eine dynamische Zukunft erfordert dynamische Fähigkeiten von mittelständischen Unternehmen. *New Mittelstand*.

Ulich, A. (2020). Eine Digitalisierungsstrategie für die Jugendbildung. *Neu gedacht, digital gemacht: Wie Mittelständler digitalisieren*, *2020*(3), 30–31.

Ulich, A. (2020). Digitale Geschäftsmodelle. Traditionellen Handel digital denken. *Neu gedacht, digital gemacht: Wie Mittelständler digitalisieren*, *2020*(3), 26–27.

Ulich, A. (2020). Künstliche Intelligenz in der Logistik auf die Zielgruppe zuschneiden. *Neu gedacht, digital gemacht: Wie Mittelständler digitalisieren*, *2020*(3), 16–17.

Wagner, G. (2020). Neue Technologien im Blick. *SVRV-Newsletter*, *2020*(10).

Witte, K. (2020). Mögliche Partner für Kooperationen. *Berliner Wirtschaft*, *2020*(6).

Witte, K., & Hungerland, N. (2020). Künstliche Intelligenz allein reicht nicht. *netzpolitik.org*.

NODE OF AN INTERNATIONAL NETWORK OF KNOWLEDGE PRODUCTION, TRANSFER AND DISSEMINATION

HIIG is a node of an international network of knowledge production that promotes the international networking of institutes in order to benefit from cooperation for research, especially by establishing the European Hub within the *Global Network of Internet and Society Research Centers (NoC)* and enhancing its impact as an information and knowledge source for political actors, civil society and businesses.

NETWORK AND INTERNATIONAL RELATIONS

HIIG has established itself as the German platform of an international collaboration among researchers addressing topics revolving around the internet and society. As a founding member of the NoC, it cooperates with a broad range of leading academic institutions and groups in order to create and share knowledge on an international level. HIIG especially aims at enhancing cooperation among the research centres in Europe and it is helping to establish a platform that can provide knowledge to European stakeholders. Even though international exchange was significantly more limited in 2020, the year still saw the creation of new projects and exchange formats that served to achieve these networking objectives.

Network of Centers, European Hub

The *Global Network of Internet and Society Research Centers* (NoC) focuses on international and interdisciplinary research on the opportunities and challenges presented by the internet, digital technology and innovation. The NoC's current key joint venture is the research project *The Ethics of Digitalisation – From Principles to Practices*, which stands under the patronage of German Federal President Frank-Walter Steinmeier and is funded by the Mercator Foundation. The main NoC partner institutes apart from HIIG are the Berkman Klein Center at Harvard University, the Digital Asia Hub and the Leibniz Institute for Media Research I Hans Bredow Institute. The research project, mainly conducted within the *AI & Society Lab*, aims to develop viable responses to challenges at the intersection of ethics and digitalisation. Innovative formats facilitate interdisciplinary scientific work on application and practice-oriented questions and achieve outputs with high social relevance and impact. The project promotes an active exchange between science, politics and society and thus contributes to a global dialogue on the ethics of digitalisation. In particular it is an essential part of the design of an agora in the field of digitalisation. The project was launched with an opening event at Schloss Bellevue that attracted considerable media attention in August 2020 and consists of four research sprints, three clinics and one multi stakeholder dialogue. The first research sprint took place virtually from August to October 2020 with 13 international fellows from various disciplines working on the challenges of automated content moderation on platforms.

The European members of NoC launched a regional chapter called European Hub in October 2017 to strengthen European internet research on an international level led by HIIG. In the third full year of its existence, the European Hub has continued to strengthen European research collaboration, especially exchange between young researchers. Due to the current pandemic, the desk swap programme – designed especially for young researchers – has temporarily come to a halt, but we aim to re-activate and expand the programme in 2021. Furthermore, the European Hub successfully launched the *European Science Press Service (ESPS)* in March 2020. The idea behind the service is to create a European platform for scientists, journalists, policy makers and interested citizens to learn about and share their most recent relevant scientific results. The project aims to promote networking and knowledge sharing between the scientific community and the media and is continuously being updated.

Promoting up-and-coming researchers and academic visitor programmes

During the institute's first years, we focused on promoting PhD candidates and programmes. In 2020, we can proudly look back on three published theses. Our former researchers are now following career paths that are as diverse as their topics: from positions as judges, professors (e.g. at UdK, TU Berlin, HU), founders, consultants to federal institutions (e.g. Federal Chancellery, Federal Ministry for Economic Affairs and Energy, Office of the Federal President) to heads of research groups and programmes at HIIG who are now promoting the next generation of PhD candidates, our researchers are making a strong impact in both the public and the private sector. HIIG's researchers successfully received awards and grants, including the BMBF-funded research group *Public Interest AI*, which especially promotes female researchers in the field of AI.

2020 was a challenging year for international research exchange due to the travel and contact restrictions of the COVID-19 pandemic. HIIG researchers used the year for reflection, writing/publishing and the exploration of alternative formats for virtual international academic exchange and networking. Some individual research stays took place according to plan, e.g. a JSPS Research Fellowship at Waseda University in Tokyo, Japan, but other field trips had to be postponed or research plans had to be revised. Nevertheless, we had the pleasure of welcoming international guests at HIIG in this special year. In 2020, six international research fellows were selected by our research team and three visiting scholars joined the institute for a research stay. In addition, the year 2020 led to unplanned innovations: new research collaborations were established with international researchers from our NoC partner institutions, who joined HIIG during the pandemic and engaged with HIIG researchers in Berlin. A virtual fellowship program was developed for intense international exchange and networking in 2021.

TRANSFER OF RESEARCH THROUGH EVENTS, PLATFORMS AND COMMUNICATION

Throughout the last few years, HIIG has established itself as an interdisciplinary and international research institute and a source of information and knowledge on issues related to digital transformation, internet and society. Following an open science approach, HIIG reaches out to political and economic actors as well as civil society through various events, platforms and diverse communication channels. Our research allows stakeholders and the public to participate in a constructive dialogue on relevant social, economic and political issues in the digital society. Research results are presented and discussed through science transfer projects and events.

Events, workshops, conferences

The year 2020 brought a lot of challenges and transformation for events and dissemination activities at the institute. Despite the challenging circumstances, HIIG was able to adapt most of its events to hybrid or digital formats and was thus able to maintain a wide range of events in 2020 that explored the social, economic and legal repercussions of digitalisation from all perspectives. The three undertakings below exemplify HIIG's range of activities. Furthermore, we continued to host our popular monthly panel discussion Digitaler Salon.

Even during the pandemic, we were able to continue the high-profile lecture series Making Sense of the Digital Society (organised in cooperation with the Federal Agency for Civic Education) in a hybrid format. Due to travel restrictions, we focused on the thriving international research scene in Berlin and invited upcoming and established speakers to explain the current digital transformation of our society. Among others, Philipp Staab, Joanna Bryson and Tilman Santarius gave lectures in 2020. Each of the livestreams attracted more than 1000 viewers and the online videos are reaching hundreds of thousands of viewers.

The twentyforty project started as an essay competition and is an exceptional experiment in science communication. The anthology consists of thirteen visionary stories written by researchers in various disciplines, addressing the opportunities and challenges that digital technologies will present for our future society in 2040. In addition to the anthology, other formats have emerged during 2020. The stories were transformed into an interactive exhibition that featured audio-visual experiments in science communication and knowledge transfer and were accompanied by background talks with the authors, artists and curators of the exhibition. In 2021, we want to turn the exhibition into a travelling exhibition and present it in the authors' countries.

In August 2020, HIIG launched the NoC research project *The Ethics of Digitalisation – From Principles to Practices*, which stands under the patronage of Federal President Frank-

Walter Steinmeier and is funded by the Stiftung Mercator. The Federal President hosted a hybrid panel discussion and workshop at Schloss Bellevue, which marked the start of a global dialogue on the ethics of digitalisation. The first research sprint on AI and content moderation also took place. International experts from science, politics, civil society and business came together to analyse ethical questions of digitalisation, including the use of artificial intelligence and algorithms.

In order to maintain the institute's **internal knowledge transfer** activities during the pandemic we created new tools and formats and adapted existing ones. From digital and hybrid coffee talks and retreats to newly created VR workshop rooms, we have invested significant resources to enable low threshold interaction and knowledge sharing in times of physical distancing.

Internet Policy Review

Internet Policy Review is an open access journal on internet regulation. It is published by HIIG, in cooperation with three other European internet research institutes. Seven years in, the journal succeeded in establishing a continuous publication stream at 50 peer-reviewed research articles for the first time. The steady output of *Internet Policy Review* is driven by its new focus on special issues and special sections but also by increased submissions of independent papers.

This year we published four special issues and two special sections. The special issues were on *Digital Inclusion and Data Literacy*, guest-edited by Elinor Carmi and Simeon J. Yates of the University of Liverpool; a special issue on *Geopolitics, Jurisdiction and Surveillance*, guest-edited by Monique Mann of Deakin University and Angela Daly of the University of Strathclyde and; a special issue on *Trust in the System*, guest-edited by Péter Mezei (University of Szeged) and Andreea Verteș-Olteanu (West University of Timișoara) as part of our partnership with AoIR. A fourth special issue was experimental as it presented sci-fi essays revolving around information law. The latter was largely coordinated by Natali Helberger and Joost Poort of the University of Amsterdam and Mykola Makhortykh, University of Bern, but involved many Network of Centers (NoC) members in the review stage.

The two special sections we presented were *Defining Concepts of the Digital Society* and *Glossary of Distributed Technologies*. The first one, edited by HIIG's Christian Katzenbach and Thomas Christian Bächle, was augmented this year by six key concepts in the form of short papers meant as reference points in academic discourse and teaching. Newly added concepts include Digital Sovereignty (Julia Pohle & Thorsten Thiel), Smart Technologies (Mireille Hildebrandt) and Digital Commons (Mélanie Dulong de Rosnay & Felix Stalder). The *Glossary of Distributed Technologies* is an entirely new section in collaboration with

the Blockchain & Society Policy Research Lab, University of Amsterdam. It includes even shorter socio-technical term definitions. The first 10 terms were published as a work-in-progress. They are being finalised thanks to crowd-based peer-review.

As part of the journal's participation in the HIIG's DFG-funded InnOAccess research project, this year we started diversifying our revenue model to include a collaboration with SciPost and its PubFractions function, as well as professionalising our editorial tracking system, web accessibility and further technical aspects. In community terms, *Internet Policy Review* has continued to partner with the Association of Internet Researchers (AoIR) and the NoC, and it is deeply involved with many German and European open access networks. Besides Scopus, the Web of Science and ERIH Plus, the journal was indexed by the open access index Free Journal Network this year.

Communication

In 2020, HIIG communication centred on new strategic and content-related focal points. One focus of communication concerned directly and indirectly supporting HIIG's fundraising activities. In the course of the year, the two new research foci *The Ethics of Digitalisation* and *AI & Society Lab* were defined as further focal points of external communication.

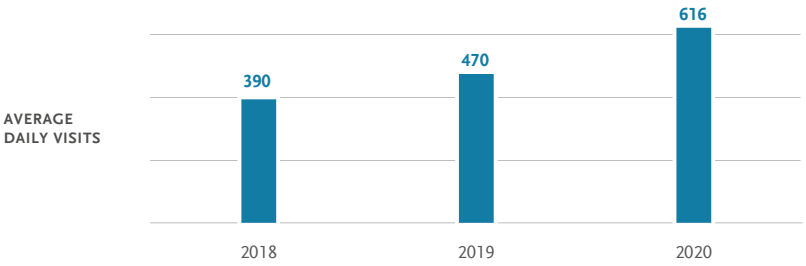
In spring 2020, the first wave of the coronavirus pandemic shook Europe. Social distancing was and remains for the time being one of the most important measures to contain the virus. This led to a migration of events, office work and education at universities and schools to the digital space. The relationship between the internet and society took on a new dynamic – which naturally hit a nerve with HIIG researchers, leading them to produce a huge amount of additional output. This sparked intensified external communication and, among other things, resulted in a blog dossier *How COVID-19 impacts digital technologies*, with 11 articles on a wide range of topics, from Corona Culture to *The coronavirus pandemic and its impact on cybersecurity*.

HIIG received a large number of press enquiries from renowned media organisations, both concerning projects – in particular *The Ethics of Digitalisation* under the patronage of the Federal President of Germany – and more generally current developments in the field of internet and society. Media reports appeared among others in: *The Atlantic*, *Deutschlandfunk*, *Tagesspiegel*, *Handelsblatt*, *MDR*, *Frankfurter Rundschau*, *Frankfurter Allgemeine Zeitung* and *Süddeutsche Zeitung*.

Overall, HIIG was able to further increase its reach and visibility in 2020. We were able to double the number of followers on LinkedIn, quadruple the number of followers on YouTube and increase the number of quarterly subscribers by about 30%.

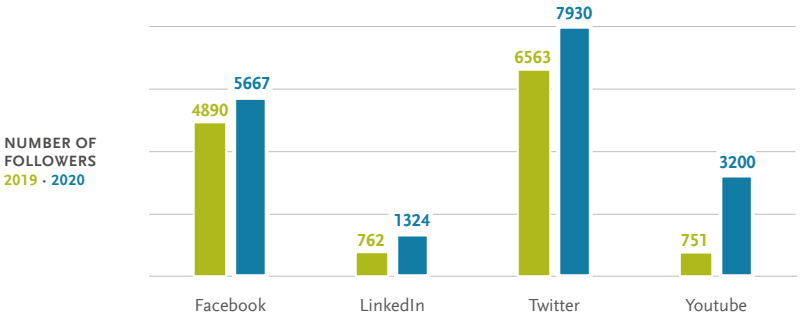
HIIG uses various academic and non-academic information channels and communication tools, including:

The HIIG website: The website is the central online information hub of HIIG: Current events and media reports are presented here as well as long-term projects and research groups. Continuous efforts in search engine optimisation contribute to the visibility of the research topics and the institute. The website records an average of 4,312 visits with 8,263 page views per week in September and October 2020.

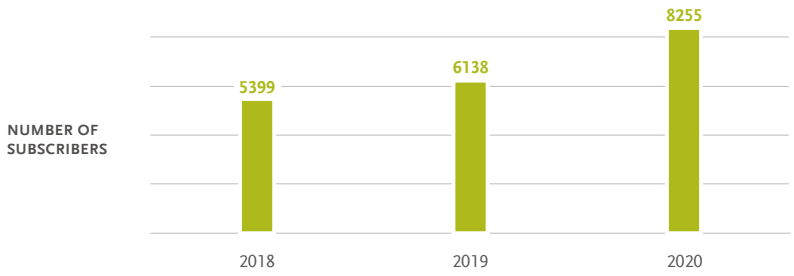


HIIG's Blogs and Journals: In the institute's *Digital Society Blog*, HIIG researchers publish articles about their research work that are understandable to the general public, thus making the research topics accessible to a broad public. The HIIG blog also publishes articles by guest authors on internaet and society research, thus fostering the scientific community. On average, one blog post per week is published, which means that almost 60 articles are published annually. HIIG's online open access journals *Internet Policy Review* and *Elephant in the Lab* remain important channels for visibility and exchange, especially with scientific communities.

Social media activities: Through its social media channels, HIIG reaches out to both the academic community and the general public. Social media thus is an important instrument for knowledge transfer as well as for the general visibility of the institute. A special focus in 2020 was on LinkedIn as a channel that can increase visibility among potential sponsors and thus support fundraising activities. Key figures (as of November 2020):



Newsletter: HIIG offers various topic-specific newsletters, including an event newsletter, a monthly newsletter on current blog articles, and a notification service on job postings. The Quarterly is the most popular newsletter (in terms of subscribers) and offers more in-depth information on projects and results. HIIG's Quarterly subscribers worldwide:



Podcast & video channels: Due to social distancing, most of the events were moved online. This also increased the importance of our audiovisual channels. The live streams were recorded and also frequently watched on YouTube after the event. HIIG's podcast activities continued in 2020 in a cost-benefit-optimised version in order to use this channel more efficiently. Instead of elaborately produced individual episodes with limited coverage, the recordings of the discussion series *Digitaler Salon* are now played out as podcasts, reaching an even broader audience.

APPENDIX: MONITORING OF THE INSTITUTE'S ACTIVITIES

To verify the institute's objectives are being met, common evaluation criteria were developed and approved by the HIIG Advisory Council. These criteria are understood as guidelines and used as a quantitative illustration of the institute's accomplishments:

Problem-oriented basic research on internet and society 44

Node of an international network of knowledge production, transfer and dissemination 50

Securing and developing the institute's future. 59

Please note that the following tables can only reflect a selection of the institute's work.

PROBLEM-ORIENTED BASIC RESEARCH ON INTERNET AND SOCIETY

1. Research project applications (evaluated research grants, DFG, BMBF or alike)

SUBMITTED	TITLE/SUBMITTED AT	PARTNER	APPLICANTS
21.02.2020	Organisationale Adaptivität im deutschen Hochschulkontext Submitted at: FernUniversität Hagen (confirmed)	Prof. Dr. Friedrich Hesse (FernUniversität Hagen)	Benedikt Fecher
28.02.2020	Internet & Jurisdiction Conferences Submitted at: Federal Ministry for Economic Affairs and Energy (BMWi) (confirmed)	Internet & Jurisdiction Policy Network	Wolfgang Schulz
21.03.2020	Legale Anatomie von KI Submitted at: Nemetschek Stiftung (confirmed)	DFKI, Ethical Tech Society	Wolfgang Schulz, Alexander Pirang
21.03.2020	Legale Anatomie von KI Submitted at: Vodafone Institut für Gesellschaft und Kommunikation (confirmed)	DFKI, Ethical Tech Society	Wolfgang Schulz, Alexander Pirang
27.03.2020	Public Interest AI Submitted at: Federal Ministry of Education and Research (BMBF) (confirmed)	–	Theresa Züger
07.04.2020	Imaginaries of Artificial Intelligence: The Communicative Construction of AI in China, Germany and the US Submitted at: SNF/DFG (DACH-Kooperationen) (confirmed)	Universität Zürich, IKMZ, Prof. Dr. Mike S. Schäfer	Christian Katzenbach
15.05.2020	Ethik der Digitalisierung: Von Prinzipien zu Praktiken Submitted at: Stiftung Mercator (confirmed)	Berkman Klein Center (Harvard University), Leibniz Institute for Media Research | Hans Bredow Institute, Digital Asia Hub, Network of Centers	Wolfgang Schulz, Matthias Kettemann, Alexander Pirang, Marie Rosenkranz, Katharina Mosene
01.06.2020	Folgeveranstaltungen Dritter Engagementbericht Submitted at: Federal Ministry for Family Affairs, Senior Citizens, Women and Youth (BMFSFJ) (confirmed)	–	Anja Adler, Lorenz Grünewald-Schukalla
04.06.2020	Public/private partnerships in tackling the coronavirus: introducing innovation and trust into the equation Submitted at: VolkswagenStiftung (confirmed)	University of Haifa, Faculty of Law	Jeanette Hofmann
01.07.2020	AI & social organising in the face of COVID-19 Submitted at: Google (declined)	–	Ali Aslan Gümüşay
01.07.2020	CoRisk Index Submitted at: Google (declined)	–	Nicolas Friederici, Fabian Stephany, Fabian Braesemann
01.07.2020	Smart & Resilient Health and Care Systems for Aging in the Digital Society: Assessing and Mitigating Adverse Effects of COVID-19 Containment Measures on the Health and Well-Being of the Elderly – Responsible Research and Innovation with Highly Sensitive Data Submitted at: Google (declined)	–	Thomas Schildhauer, Björn Scheuermann, Jörg Pohle
07.07.2020	Health Care for the Elderly in the Digital Society Submitted at: Cisco (declined)	–	Thomas Schildhauer, Paul Jackson, Jörg Pohle

SUBMITTED	TITLE/SUBMITTED AT	PARTNER	APPLICANTS
13.08.2020	ScholardLed+. Nachhaltige Zeitschriftenfinanzierung durch konsortiale Unterstützungsstrukturen in kleinen und interdisziplinären Fachzusammenhängen Submitted at: Federal Ministry of Education and Research (BMBF) (confirmed)	Dr. Sven Fund (Knowledge Unlatched), Philipp Hess (Knowledge Unlatched)	Christian Katzenbach, Marcel Wrzesinski
26.08.2020	DIDACTIC – DIgital and DAta seCuriTy and prIvaCy for SMEs and MEs Submitted at: H2020 (submitted)	National Technical University of Athens; Commissioner for Data Protection and Freedom of Information of Mecklenburg-Western Pomerania; Bredex GmbH; Hellenic Data Protection Authority; European Public Law Organization; DataCo GmbH; PRAXI Network; eProdat B.V.; LEGISDATA SL; PONS; UBITECH	Jörg Pohle
04.09.2020	SCiP – Science Communication in Political Contexts Submitted at: VolkswagenStiftung (submitted)	BBAW, Freie Universität Berlin, Weizenbaum Institute for the Networked Society, Universität Zürich, TU Berlin	Christian Katzenbach
04.09.2020	Humboldt Centre Berlin – A living lab for science communication in the anthropocene Submitted at: VolkswagenStiftung (submitted)	Humboldt-Universität zu Berlin, Museum für Naturkunde Berlin	Benedikt Fecher, Wolfgang Schulz
14.09.2020	twentyforty – Scenarios for a Digital Society Submitted at: Stifterverband (confirmed)	Universität der Künste Berlin	Bronwen Deacon, Benedikt Fecher
15.10.2020	DAS – Datenspende, aber sicher! Submitted at: Federal Ministry of Education and Research (BMBF) (submitted)	Apheris AI GmbH, SRT GmbH, Berlin Health Institute BIH/Charité	Björn Scheuermann, Jöhg Pohle, Thomas C. Bächle, Luiza Bengtsson
27.10.2020	Multi-Stakeholder Dialog zur Thematik: "freier Datenfluss" und "Datensouveränität" Submitted at: Federal Ministry for Economic Affairs and Energy (BMWi) (confirmed)	Internet & Jurisdiction Policy Network	Wolfgang Schulz

2. Offering a mentoring structure for up-and-coming researchers

Please see 'Promoting up-and-coming researchers and academic visitor programmes' on pp. 37.

3. Publications

Publishing research results based on the evaluation criteria

A special focus lies in highly recognised discipline-based journal publications as well as transdisciplinary journal publications.
Furthermore we aim to publish a number of open-access journal publications, peer-reviewed journal publications, chapters in edited volumes, and books reflecting our research objectives and programmes.

Please see full publications list on pp. 22 – 35.

4. Academic lectures and panels

Selected competitive/peer-reviewed conference presentations

EVENT ACTIVITY	EVENT	RESEARCHER
Lecture/Talk: Die Dynamik der Governance digitalisierter Meinungsbildung auf Plattformen	DGPuK 2020: Jahrestagung 2020 der Deutschen Gesellschaft für Publizistik- und Kommunikationswissenschaft. Department of Media and Communication (IfKW), Ludwig-Maximilians-Universität, Munich, Germany: 11.03.2020	Christian Katzenbach
Lecture/Talk: Path Creation as Contestation, Imbrication and Emancipation: How Music Distribution Became Digital	VHB Conference 2020. VHB, Goethe University, Frankfurt am Main, Germany: 20.03.2020	Harry Sminia, Jörg Sydow, Stephan Bohn
Lecture/Talk: Engaging Grand Challenges through a Transformative Institutional Logics Perspective	VHB Conference 2020. VHB, Goethe University, Frankfurt am Main, Germany: 20.03.2020	Ali Aslan Gümüşay
Lecture/Talk: A new dynamic for EdTech in the age of pandemics	ISPIM Conference 2020. The International Society for Professional Innovation Management Ltd, Online, Germany: 09.06.2020	Thomas Schildhauer
Lecture/Talk: Governance of SME-focused Data Cooperation Platforms in Germany	ISPIM Conference 2020. ISPIM, Online, Germany: 09.06.2020	Tina Krell
Lecture/Talk: Transiting toward greener solutions? A comparative study of the e-mobility discourse in Norway and Germany during times of change (2000–2018)	36th EGOS Colloquium – Organizing for a Sustainable Future: Responsibility, Renewal & Resistance. EGOS, Online, Germany: 04.07.2020	Birthe Soppe, Stephan Bohn
Lecture/Talk: Curation and control in open innovation processes. How individuals organize collaborative knowledge creation in IoT hardware companies	36th EGOS Colloquium – Organizing for a Sustainable Future: Responsibility, Renewal & Resistance. EGOS, Online, Germany: 04.07.2020	Mehera Hassan, Hendrik Send, Heike Hölzner, Stephan Bohn
Lecture/Talk: Future Imaginaries In The Making And Governing Of Digital Technology: Multiple, Contested, Commodified	EASST/4S 2020 Locating and Timing Matters: Significance and Agency of STS in Emerging Worlds. EASST, Online, Czech Republic: 19.08.2020	Christian Katzenbach, Astrid Mager
Keynote: Fake News and the Digital Public Sphere – What is the Impact of Disinformation in the Democratic Decision-making Process?	Webinar: Acting against Fake News in Social Media – Legislative, judicial and academic means to combat Disinformation. FGV's Department of Public Policy Analysis, Online, Germany/Brazil: 09.09.2020	Jeanette Hofmann
Lecture/Talk: Nachhaltiges Open Access: Verlagsunabhängig, divers und gebührenfrei	Open Access Tage 2020. Universität Bielefeld, Fachhochschule Bielefeld. Online, Bielefeld, Germany: 16.09.2020	Marcel Wrzesinski, Christian Katzenbach, Frédéric Dubois, Nicole Waidlein, Klaus Tochtermann
Lecture/Talk: Lessons Learned aus dem Fellow-Programm Freies Wissen	Open Access Tage. FH Bielefeld, Bielefeld University. FH Bielefeld, Online, Germany: 16.09.2020	Moritz Schubotz, Isabella Peters, Benedikt Fecher, Dominik Scholl
Lecture/Talk: Lehren in der Krise, Lernen aus der Krise? Erfolg & Verstetigung digitaler Lehr- und Lerninnovationen	Lehren in der Krise, Lernen aus der Krise? Erfolg & Verstetigung digitaler Lehr- und Lerninnovationen. Hochschulforum Digitalisierung. Online, Berlin, Germany: 07.10.2020	Melissa Laufer, Bronwen Deacon, Len Ole Schäfer

EVENT ACTIVITY	EVENT	RESEARCHER
Lecture/Talk: Re-imagining higher education: Shifting gears and shifting visions	Re-imagining higher education: Shifting gears and shifting visions. Hochschulforum Digitalisierung. Hochschulforum Digitalisierung, Online, Berlin, Germany: 08.10.2020	Anne Leiser, Melissa Laufer, Bronwen Deacon, Christian Kobsda
Lecture/Talk: Modellierung – Einschreibung – Artefakt: Zur soziologischen Konzeption der informatischen Gestaltung von Technik	Wissenschafts- und Techniksoziologie in der digitalisierten Gesellschaft: Theorien, Methoden, Perspektiven. Institute for Advanced Study in the Humanities Essen, Online, Germany: 11.12.2020	Jörg Pohle, Daniel Guagnin
Lecture/Talk: Wissenschaft und digitale Kultur – Open Science in der Praxis	Offenheit in der Wissenschaft. Universität Hamburg, Hamburg, Germany: 16.12.2020	Benedikt Fecher

Selected invitations to academic lectures and panels

EVENT ACTIVITY	EVENT	RESEARCHER
International scope		
Panel: GDPR Data Protection Icons and Transparency: Where do we stand?	CPDP 2020 Computer, Privacy and Data Protection Conference. Einstein Centre Digital Future. Brussels, Belgium: 22.01.2020	Max von Grafenstein
Lecture/Talk: Militärische KI: Sprachspiele der Autonomie und ihre politischen Folgen	Philosophie der KI – Darmstädter Workshop. Lab3, Darmstadt, Germany: 21.02.2020	Jascha Bareis
Lecture/Talk: Assessing China's Digital Silk Road – A case study of Huawei's engagement in Nigeria	The People's Republic of China's Seven Decades of Foreign Economic Relations. University of Helsinki, Finland: 05.03.2020	Nils Hungerland
Lecture/Talk: Regulatory, ethical and social aspects of emerging eHealth technologies	Symposium on eHealth: Trends and Innovations. Center of International Health, Center of Advanced Studies at Ludwig-Maximilians-Universität, Munich, Germany: 06.03.2020	Alina Wernick
Lecture/Talk: Corona und die Menschenrechte	1. Digitaler Völkerrechtssalon: Die Corona-Krise und das Völkerrecht. University of Graz. Online, Austria: 04.06.2020	Matthias C. Kettemann
Panel: Brave new world?! Opportunities and challenges for sustainable development in the digital age	Gronen 2020 – All Systems go?! Sustainability in the Digital Age. Group for Research on Organizations and the Natural Environment, Online, Portugal: 17.06.2020	Ali Aslan Gümüşay
Lecture/Talk: Corona Tracing Apps. An infrastructure perspective	IAMCR 2020. International Association for Media and Communication Research, Online, Finland: 15.07.2020	Jeanette Hofmann
Panel: COVID-19 in International Relations	ECPR General Conference Online. ECPR. Online, United Kingdom: 27.08.2020	Bruna Toso de Alcântara
Lecture/Talk: Small but sustainable? Scholar-led journals and open access	OASPA 2020 Annual Conference on Open Access Scholarly Publishing. Open Access Scholarly Publishers Association. Online, Poland: 23.09.2020	Marcel Wrzesinski

EVENT ACTIVITY	EVENT	RESEARCHER
Panel: The Digital Economy Post COVID-19: Global Outlook and Local Contexts	The Digital Economy Post COVID-19: Global Outlook and Local Contexts. Access to Knowledge for Development Centre, American University Cairo, Online, Egypt: 13.10.2020	Fabian Stephany
National scope		
Panel: Wie weit reicht die Freiheit der Rede?	Wie weit reicht die Freiheit der Rede? Diskussion an der Humboldt-Universität zum Spagat zwischen privater und wissenschaftlicher Meinungsäußerung. Humboldt-Universität zu Berlin, Germany: 15.01.2020	Wolfgang Schulz
Lecture/Talk: Mediatisierte Demokratie – eine interdisziplinäre Forschungsperspektiv	Demokratie – Hoffnungsträger oder Auslaufmodell? Forums Offene Wissenschaft. Universität Bielefeld, Germany: 20.01.2020	Jeanette Hofmann
Keynote: Digital Disobedience	Ringvorlesung WiSe 2019/20: Selbstbestimmung in der vernetzten Gesellschaft. Weizenbaum Institute. TU Berlin, Germany: 28.01.2020	Theresa Züger
Panel: Die Wahrheit und Fälschung im öffentlichen Raum – Perspektiven der Regulierung, der Professionsethik und der journalistischen Praxis	Jahrestagung 2020 der DGPuK-Fachgruppe Kommunikations- und Medienethik und des Netzwerks Medienethik in Kooperation mit der Akademie für politische Bildung, Tutzing, Germany: 17.02.2020	Wolfgang Schulz
Lecture/Talk: Die kommunikative, politische und technische Institutionalisierung von „Künstlicher Intelligenz“	Leibniz Media Lectures. Leibniz Institute for Media Research | Hans Bredow Institute (HBI), Hamburg, Germany: 05.05.2020	Christian Katzenbach
Lecture/Talk: Datenschutz in Zeiten von Corona. Zwischen Digitalisierung und Überwachung	Digitale Diskussionsrunde. Zeppelin Universität, Online, Germany: 20.05.2020	Jeanette Hofmann
Lecture/Talk: Mediatisierte Demokratie – Experimente im digitalen Möglichkeitsraum	Ringvorlesung: Autonomie im Digitalen Zeitalter?! Suchbewegungen zwischen Freiheit und Kontrolle. Otto von Guericke Universität Magdeburg, Online, Germany: 28.05.2020	Jeanette Hofmann
Lecture/Talk: Bei Strafe ihres Untergangs: Digitale Infrastrukturen als Spannungsverstärker zwischen Gesellschaftssimulation und Organisationserhalt	Gesellschaft unter Spannung – 40. Kongress der Deutschen Gesellschaft für Soziologie. Deutsche Gesellschaft für Soziologie (DGS), TU Berlin, Online, Germany: 23.09.2020	Jörg Pohle, Martin Rost

Selected organisation of academic lectures and panels

EVENT	LOCATION/DATE	RESEARCHER
International scope		
Workshop session/Conference session: Works in Progress on Private Ordering	Forschungsverbund Normative Ordnungen. Goethe-Universität, Frankfurt am Main, Germany 05.02.2020	Matthias C. Kettemann, Wolfgang Schulz
Discussion/Meeting: Lunch Talk: Decrease in universality and abstractness thesis in the development of new human rights	Humboldt Institute for Internet and Society, Berlin, Germany 26.02.2020	Katharina Mosene
Lecture/Talk: Vorlesung für den Bachelor Studiengang "Management by Design"	New Design University St. Pölten, Online, Austria 01.04.2020 – 31.08.2020	Philip Meier
Lecture/Talk: Collaborative Open Course for Master Programs in Business Administration, Management and Organisation Studies	Organising in Times of Crisis, Online, Austria 16.04.2020	Ali Aslan Gümüşay
Workshop: Towards a new European Communication Framework?	Humboldt Institute for Internet and Society, Online, Germany 21.04.2020	Katharina Mosene
Workshop: (Bibliotheks-)Konsortien für gebührenfreies Open Access	Humboldt Institute for Internet and Society, Online, Germany 05.05.2020	Marcel Wrzesinski
Workshop: Works in Progress on Private Ordering #3, Verbraucherschutz und private Ordnungsbildung	Humboldt Institute for Internet and Society, Online, Germany 14.05.2020	Matthias C. Kettemann, Wolfgang Schulz
Workshop: Security in Cyberspace: dynamics, limits and opportunities	Humboldt Institute for Internet and Society, Online, Germany 14.05.2020	Bruna Toso de Alcântara, Jörg Pohle
Conference: 36th EGOS Colloquium – Organising for a Sustainable Future: Responsibility, Renewal & Resistance	EGOS, Online, Germany 02.07.2020 – 03.07.2020	Ali Aslan Gümüşay
Workshop: 1st Pop-Up Lab: Inclusive AI? The challenges of automated tools in HR	Humboldt Institute for Internet and Society, Online, Germany 24.08.2020 – 26.08.2020	Daniela Dicks, Alexander Pirang, Kai Gärtner, Wolfgang Schulz
National scope		
Lecture/Talk: 'God at Work': Engaging Central and Incompatible Institutional Logics through Elastic Hybridity	Universität Hamburg, Hamburg, Germany 07.01.2020	Ali Aslan Gümüşay
Workshop: Normativitäten des Private Ordering	Goethe University, Frankfurt am Main, Germany 05.02.2020	Matthias C. Kettemann
Workshop: Work in Progress-Workshop: Private Ordering	Leibniz Institute for Media Research | Hans Bredow Institute, Hamburg, Germany 05.02.2020	Anna Sophia Tiedeke, Matthias C. Kettemann, Amélie Heldt
Workshop: The Normative Turn: Interdisciplinary Interventions on Normative Orders	Goethe University, Frankfurt am Main, Germany 08.02.2020 – 08.02.2020	Matthias C. Kettemann
Workshop: Werkstattgespräch: Rechtsfreie Datenräume? – Datenstrukturen als Macht- und Herrschaftsressourcen	Humboldt Institute for Internet and Society, Online, Germany 12.05.2020	Jörg Pohle
Workshop session/Conference session: Gesellschaft unter Spannung – 40. Kongress der Deutschen Gesellschaft für Soziologie	TU Berlin, Online, Germany 17.09.2020	Katharina Block, Jörg Pohle
Conference: Anwesenheit, Kommunikation und Interaktion im Raum der Digitalisierung	Humboldt Institute for Internet and Society, Online, Germany 03.12.2020 – 04.12.2020	Katharina Block, Jörg Pohle

NODE OF AN INTERNATIONAL NETWORK OF KNOWLEDGE PRODUCTION, TRANSFER AND DISSEMINATION

1. Node for knowledge production

Sustainable network building activity in Europe

Please see 'Network and international relations' on pp. 36 – 37.

Involvement in NoC events

EVENT	LOCATION/DATE	RESEARCHER
Lecture/Talk: Strukturen und Arbeitsweisen des NoC	Weizenbaum Institute, Berlin, Germany: 30.01.2020	Wolfgang Schulz
Keynote: Ethics of Digitalisation	Humboldt Institute for Internet and Society, Berkman Klein Center at Harvard University, Digital Asia Hub. Berlin, Germany: 17.08.2020	Wolfgang Schulz, Katharina Mosene, Matthias Kettemann
Session lead/Workshop moderation: AI and Content Moderation	Summer School: Research Sprint: AI and Content Moderation. Humboldt Institute for Internet and Society, Berkman Klein Center at Harvard University, Digital Asia Hub. Online, Germany: 17.08.2020	Wolfgang Schulz, Matthias Kettemann, Alexander Pirang, Christian Katzenbach
Session lead/Workshop moderation: Digital Ethics in Times of Crisis: Covid-19 and Access to Education and Learning Spaces	Summer School: Research Sprint: Ethics of digitalisation. Humboldt Institute for Internet and Society, Berkman Klein Center at Harvard University, Digital Asia Hub. Online, USA: 05.10.2020	Wolfgang Schulz

Serving as a host-institution for post-docs

RESEARCHER/DATE/PROJECT PARTNER	SHORT CV/HOME INSTITUTION
Timo Seidl 05.03.2020 – 15.05.2020 Christian Katzenbach	Timo Seidl is a PhD researcher at the Department of Political and Social Science at the European University Institute in Florence, Italy, and a visiting researcher at the HIIG's research programme: "The evolving digital society: concepts, discourses, materialities"Timo's work focuses on the politics and political economy of digitalization; he is interested in why different countries react differently to the challenges posed by digitalization – such as the regulation of platform companies, the protection of personal data, or the changing nature of work. Methodologically, he uses a variety of both quantitative and qualitative methods, but is particularly interested in using novel text-as-data methods to understand how narratives, frames, and discourses affect the political responses to digitalization. Department of Political and Social Science at European University Institute, Florence, Italy
Sally Wyatt 10.03.2020 – 10.04.2020 Christian Katzenbach	Sally Wyatt is a renowned researcher in Science and Technology Studies and Professor of Digital Cultures at Maastricht University. She previously served as Programme Leader of the eHumanities group of the Royal Netherlands Academy of Arts and Sciences and as Director of The Netherlands Graduate Research School of Science, Technology and Modern Culture. She holds a BA in Economics from McGill University, Canada, a master's degree in Economic Policy & Planning from Sussex University, England and a PhD from Maastricht University. Wyatt is known, among others, for her work on the non-users of technology, technological determinism, and the circulation of genetic data via the internet. Faculty of Arts and Social Sciences (FASoS) at Maastricht University, The Netherlands

RESEARCHER/DATE/PROJECT PARTNER	SHORT CV/HOME INSTITUTION
Fabian Braesemann 22.04.2020 – 30.09.2020 Nicolas Friederici	Fabian works as Research Fellow and Data Scientist at the Saïd Business School, University of Oxford, and he is Research Associate at the Oxford Internet Institute. His research focuses on social data science. He has worked with numerous large data sets from online platforms to investigate research questions in domains as different as marketing, real estate, innovation, online freelancing, and political extremism. He is confident that, thanks to the availability of large data sets and computational methods, it will be possible to describe social phenomena with the same accuracy as processes in the natural sciences. Fabian has studied economics in Berlin, Warsaw and Vienna. He holds a doctoral degree from Vienna University of Economics and Business (2016) Saïd Business School at University of Oxford, United Kingdom
Shlomi Hod 01.07.2020 – 30.09.2020 Theresa Züger	Shlomi is a Visiting Researcher at HIIG's AI & Society Lab. He is a first-year computer science Ph.D. student at Boston University, and he is interested in responsible AI, particularly, the societal impact of algorithms and machine learning systems and interpretable machine learning. In Spring 2020 Shlomi co-taught a course in Responsible AI, Law & Society with Prof. Dr. Niva Elkin-Koren and others. Occasionally, he is consulting for startups and companies with data science projects. In his previous life, Shlomi was a social entrepreneur – co-founder of the Israeli Cyber Education Center. He co-authored a Computer Network textbook in a tutorial approach (in Hebrew). Before that, he was an algorithmic research team leader in cybersecurity. Department of Computer Science at Boston University, United States of America
Anulekha Nandi 01.10.2020 – 30.09.2021 Christian Katzenbach	Before joining the For Digital Dignity, Project ONLINERPOL, Anulekha Nandi worked for Cividep India, a workers' rights and corporate accountability NGO. Prior to that she worked as an Editor for the Global Forum for Media Development and as a Research Consultant for projects within the Department of Media and Communications at the London School of Economics and Political Science (LSE). She has an MSc in Media, Communication and Development from the LSE and has also worked as a Parliamentary Intern/ Researcher at the House of Lords, with the LSE Media Policy Project, and as a research assistant and co-author on a report within the Overseas Development Institute's GAGE (Gender and Adolescence: Global Evidence) project. Her individual academic research in the past has revolved around media policy processes in post-conflict environments and privacy regulations, surveillance, and data protection with regard to data for development Research and Advocacy division of the Digital Empowerment Foundation (DEF), Delhi, India

Organising an annual fellowship programme for associated post-graduates

FELLOW/DATE/PROJECT PARTNER	SHORT CV/HOME INSTITUTION
Deniz Erden 01.01.2020 – 31.12.2020 Jörg Pohle	Deniz Erden is a Research Fellow in HIIG's research programme Data, Actors, and Infrastructures. She is currently studying for her third master's degree at the Information and Technology Law Institute of Istanbul Bilgi University. Previously she studied Gender and Women Studies at the Middle East Technical University in Ankara, followed by Public International Law at the University of Kent, Brussels Campus. She received her bachelor's degree from Ankara University Law Faculty and worked as a legal consultant at a large bank mostly focusing on reconciling the tension between the efforts of regulatory compliance and introduction of new technologies, e-commerce, payments, consumer law and data protection law. She also took a leading role in the relation of the Banks Association of Turkey with the national Data Protection Authority. She is a member of the Istanbul Bar Association and the International Association of Privacy Professionals. Her current research brings together gender theory, European data protection law, anti-discrimination law and human rights law, focusing on chilling effects on online political behavior of marginalized others that corporate surveillance, profiling and automated decision making in interconnected application domains may cause. Deniz is planning her PhD on the "right to the city" within the smart city context. Technology Law Institute at Istanbul Bilgi University, Turkey
Robert Gorwa 27.01.2020 – 31.12.2020 Nicolas Friederici	Robert Gorwa is a PhD candidate in the Department of Politics and International Relations, University of Oxford, and a fellow with the HIIG research group Innovation and Entrepreneurship. Robert's work on platform regulation, content moderation, and other transnational digital policy challenges seeks to combine approaches from media studies and communication research with theories from international relations and regulatory studies. He has conducted research at the Weizenbaum Institute, the Reuters Institute for the Study of Journalism, the Oxford Internet Institute, Stanford University's Project on Democracy and the Internet, and the Max Bell School of Public Policy at McGill University. During his time at the HIIG, he will be working on his dissertation on the regulatory politics of intermediary liability. Department of Politics and International Relations at University of Oxford, United Kingdom
Pablo Beytía 12.02.2020 – 01.08.2020 Benedikt Fecher	Pablo Beytía is a Research Fellow at the HIIG's research programme Knowledge & Society, as well as a PhD candidate at the Department of Social Sciences of Humboldt Universität zu Berlin, and a scholarship holder of the German Academic Exchange Service and the Chilean Commission for Science and Technology. His doctoral research focuses on how biographical information is being globally structured on multilingual Wikipedia. Pablo is a sociologist with a background in humanities and computational social science and holds a Master's degree in sociology from the Catholic University of Chile and a Master's degree in philosophy from the University of Chile. Before joining the HIIG, he was a Visiting Researcher at the Centre for Interdisciplinary Methodologies of the University of Warwick, the Berlin Graduate School of Social Sciences, and the Hamburg Institute for Social Research. He was also Director of the Social Research Centre of the international NGO TECHO, Advisor for the Ministry of the Interior of the Government of Chile, and a lecturer at the Catholic University of Chile, the Diego Portales University and the Alberto Hurtado University. Humboldt Universität zu Berlin, Germany
Joaquin Santuber 01.09.2020 – 31.12.2020 Thomas Christian Bächle	Joaquin Santuber is a PhD candidate in the chair of Internet Technologies and Systems at Hasso-Plattner-Institute, University of Potsdam, and a fellow at the HIIG research program The Evolving Digital Society. Joaquin's work on the performativity of digital technologies in Courts of Justice seeks to shed light on the emergent practices in remote-courts combining sociomaterial approaches to organizing and information systems, embodied-enactive cognition, and affective computing. Joaquin holds a Law degree from Chile. Currently, he works as a researcher at the HPI–Stanford Design Thinking Research Program in Potsdam, Germany, with a special focus on legal design in recent years. He's also the co-founder of This is Legal Design GBR, a Berlin-based consultancy firm, bringing in new insights from research to practice in projects with law firms, legal departments and courts. Design Thinking Research Program at Hasso-Plattner-Institute, Potsdam, Germany

2. Node for knowledge transfer and dissemination

Selected coverage of HIIG's work and its researchers in high impact media and online sources

TITLE	MEDIUM/DATE	SUBJECT
Quote: Keine Black-Box: Studie bringt Licht in Regeln von Facebook	Frankfurter Allgemeine Zeitung (Online) 28.01.2020	Matthias C. Kettemann
Reference: Trump's Digital Advantage Is Freaking Out Democratic Strategists	New York Times (Print) 29.01.2020	Internet Policy Review
Article: Inside Facebook	Tagesspiegel (Online) 03.02.2020	Matthias C. Kettemann, Wolfgang Schulz
Quote: Eine neue Form der Mediendemokratie	Tagesspiegel (Online) 26.02.2020	Jeanette Hoffmann
Quote: Das Recht des Roboters	Handelsblatt (Online) 28.02.2020	Thomas Bächle
Interview: "Da ist Deutschland nicht ganz unschuldig"	Süddeutsche Zeitung (Online) 12.03.2020	Wolfgang Schulz
Quote: Mit Jodel zum Bachelor	Frankfurter Allgemeine Zeitung (Print) 21.03.2020	Benedikt Fecher
Quote: So steht der Pegel der Corona-Angst	Wirtschaftswoche (Online) 04.04.2020	Fabian Stephany, Fabian Braesemann
Quote: No, the Internet Is Not Good Again	The Atlantic (Online) 16.04.2020	João Carlos Magalhães, Christian Katzenbach, Internet Policy Review
Quote: Experten beklagen Mangel an wissenschaftlicher Sorgfalt	Spektrum (Online) 23.04.2020	Benedikt Fecher
Interview: Berliner KI-Ökosystem im europäischen Vergleich auf Augenhöhe mit London und Paris	KI_Berlin (Online) 27.04.2020	Philip Meier
Article: Die Corona-App Ihres Vertrauens	Netzpolitik.org (Online) 28.04.2020	Jeanette Hofmann, Björn Scheuermann
Interview: Datenschutz: So funktioniert die Corona-Tracing-App	SWR 2 (Radio) 29.04.2020	Jeanette Hofmann
Reference: Crisis begins to hit professional and public-sector jobs once considered safe	Washington Post (Online) 30.04.2020	Fabian Stephany, Fabian Braesemann
Interview: Tracing-Apps: Pflaster statt Lösung	Deutschlandfunk Kultur (Radio) 02.05.2020	Jeanette Hofmann
Interview: Twentyforty: How will we work, live, love, shape schools, and governmental structures in 2040?	Europarama Podcast (Online) 07.05.2020	Bronwen Deacon
Interview: Was bringt die Corona-App?	SWR2 (Radio) 12.05.2020	Jeanette Hofmann
Reference: Jung, engagiert, online	Süddeutsche Zeitung (Online) 14.05.2020	Dritter Engagementbericht
Quote: Fahrdienst Grab macht in Südasien vor, wie es geht	WirtschaftsWoche (Print) 16.05.2020	Björn Scheuermann

TITLE	MEDIUM/DATE	SUBJECT
Quote: Trump unterzeichnet Erlass zu Sozialen Medien	Tagesschau (TV) 28.05.2020	Matthias C. Kettemann
Interview: Trump vs. Twitter: Wie weit geht Meinungsfreiheit im Netz?	MDR Kultur (Online) 29.05.2020	Matthias C. Kettemann
Quote: Here's how Germany got its wires crossed over video-chat privacy	ZDNet (Online) 03.06.2020	Jörg Pohle
Interview: Der Blick in die Zukunft	Radioeins (Radio) 06.06.2020	Benedikt Fecher
Article: Ein Menschenrechts-Update für das Internet	Tagesspiegel Background (Online) 17.06.2020	Matthias C. Kettemann
Interview: Medienrechtler Schulz: „Man muss sich empören"	Deutschlandfunk (Radio) 20.07.2020	Wolfgang Schulz
Reference: Steinmeier will „Ethik der Digitalisierung" vorantreiben	Süddeutsche Zeitung (Online) 17.08.2020	Alexander von Humboldt Institut for Internet and Society
Interview: Wie man dem Algorithmus Moral vermittelt: Bundespräsident startet Ethikprojekt zur Digitalisierung	SWR 2 (Radio) 18.08.2020	Wolfgang Schulz
Interview: Forschungsprojekt: „Ethik der Digitalisierung"	WDR 5 (Radio) 18.08.2020	Wolfgang Schulz
Reference: Porträt: Matthias Spielkamp	Tagesspiegel Background (Online) 24.08.2020	AI & Society Lab
Interview: Arbeitszeit kürzen wäre zeitgemäß	der Freitag (Online) 31.08.2020	Shirley Ogolla
Quote: Brains of Berlin: Ali Aslan Gümüşay	Brain City Berlin (Online) 22.09.2020	Ali Aslan Gümüşay
Article: Künstliche Intelligenz allein reicht nicht	Netzpolitik.org (Online) 23.10.2020	Klemens Witte, Nils Hungerland
Article: Werte schaffen in der Krise	Süddeutsche Zeitung (Online) 09.11.2020	Ali Aslan Gümüşay
Quote: Brains of Berlin: Tina Krell	Brain City Berlin (Online) 12.11.2020	Tina Krell
Interview: Trendsetter Internet? Angstmacher KI? Folgen der Digitalisierung	Lange Nacht der Wissenschaften Podcast (Radio) 06.12.2020	Jeanette Hofmann
Reference: Brauchen wir ein Plattformgrundgesetz? Visionen für das Internet von morgen	Wikimedia (Online) 10.12.2020	Jeanette Hofmann

Developing formats for knowledge transfer, e.g. regular events, event cooperations, publications, platforms or information services, as part of the exchange with our target groups and to further transdisciplinary networking

Please see 'Transfer of research through events, platforms and communication' on pp. 38 – 42.

Selected invitations to non-academic lectures, panel discussions, public hearings

EVENT ACTIVITY	EVENT	RESEARCHER
International scope		
Lecture/Talk: Personal data in eHealth	Urban Knights Salon. Prof Teresa Dillon in partnership with Southwest Creative Technology Network, Watershed and DCRC, University of the West of England. Bristol, UK: 09.01.2020	Alina Wernick
Session lead/Workshop moderation: Launch of the new board game: Admins and Hackers	CPDP 2020 Computer, Privacy and Data Protection Conference. Brussels, Belgium: 23.01.2020	Max von Grafenstein
Participating expert	Datentreuhänder – Eine Lösung für die europäische Datenökonomie? Stiftung Neue Verantwortung, Berlin, Germany: 20.02.2020	Björn Scheuermann
Lecture/Talk: Perspektiven einer europäischen Medienpolitik: Weitere Horizonte durch mehr horizontale Regulierung	Medien und Meer. Staatskanzlei Schleswig Holstein, Büsüm, Germany: 12.03.2020	Wolfgang Schulz
Panel: COVID-19 Community Mobility Reports – Impact of privacy-preserving technologies in times of crisis	re:publica 2020: COVID-19 Community Mobility Reports. re:publica. Online, Germany: 07.05.2020	Björn Scheuermann
Hearing	Data Governance. TikTok, Online, Germany: 14.05.2020	Wolfgang Schulz
Participating expert	Moderation Sitzung des Fachausschuss Kommunikation der Deutsche UNESCO Kommission. Online, Germany: 15.05.2020	Wolfgang Schulz
Panel: The crisis and the innovation ecosystem – challenges and opportunities	PwC Rise Up Summit. PwC. Online, Berlin, Germany: 19.05.2020	Thomas Schildhauer
Session lead/Workshop moderation: We, the Internet – Stakeholders' Dialogue	We, the Internet – Stakeholders' Dialogue. Missons Publique, Online, Germany: 05.06.2020	Elias Koch
Panel: Cyber and digital policies: good practices	Closing the Gap – International Conference on Cyber, Digital and Tech. EU Cyber Direct project, Egmont Institute, Belgian Ministry of Foreign Affairs. Online, Belgium: 14.07.2020	Bruna Toso de Alcântara
Session lead/Workshop moderation: V Graduate Seminar of the Brazilian Association of International Relations	Learning Call: Dangers and Challenges of the Cyber World Facing Covid-19. Brazilian Association of International Relations, Online, Brazil: 20.07.2020	Bruna Toso de Alcântara
Lecture/Talk: Governing Communications Between 2,7 Billion Users: A Pilot Study of How Facebook Sets and Legitimizes its Content Moderation Rules	General Conference, ECPR, Online, Austria: 26.08.2020	Matthias C. Kettemann
Keynote: Fake News and the Digital Public Sphere – What is the Impact of Disinformation in the Democratic Decision-making Process?	Webinar: Acting against Fake News in Social Media – Legislative, judicial and academic means to combat Disinformation. FGV's Department of Public Policy Analysis, Online, Germany/Brazil: 09.09.2020	Jeanette Hofmann
Panel: Platform Regulation and the EU Digital Single Market	EPIP 2020 Conference. Online: 11.09.2020	Jeanette Hofmann
Panel: Roundtable KI und Nachhaltigkeit	Einführender Input: KI und ökologische Nachhaltigkeit. Co-Organised by: Vertretung der Europäischen Kommission in Deutschland, Berlin, Germany: 21.09.2020	Daniela Dicks, Alexander Pirang, Kai Gärtner, Wolfgang Schulz
Lecture/Talk: Data and Data Protection in Times of Crisis	"The World in the Time of the Covid 19 Crisis" – Network Meeting for KAS Scholars from Central and South America. Konrad Adenauer Foundation. Online, Berlin, Germany: 22.09.2020	Jörg Pohle

EVENT ACTIVITY	EVENT	RESEARCHER
Panel: KI in Betrieben – Realitäten aus der Arbeitswelt	Fachsymposium „Künstliche Intelligenz (KI) in der Arbeitswelt". Federal Ministry of Labour and Social Affairs (BMAS). Online, Berlin, Germany: 01.10.2020	Georg von Richthofen
Panel: Aging with Technology	Inno Health USA. Fraunhofer-Gesellschaft, Online, Germany: 15.10.2020	Thomas Schildhauer
Lecture/Talk: Presentation of the national assessments in Germany	IGF 2020 Pre-Event #16: UNESCO's launch of IGF Dynamic Coalition on Internet Universality ROAM-X Indicators and presentation of national assessments. UNESCO, Online, Germany: 02.11.2020	Wolfgang Schulz
Panel: Sustainable Digitalisation in Urban Areas	2020 Berlin Science Week. Humboldt Institute for Internet and Society, Einstein Center Digital Future, Weizenbaum Institute, Berlin Science Week. Online, Germany: 03.11.2020	Luiza Bengtsson
Panel: Forum of the Internet & Jurisdiction Policy Network Information	IGF 2020 Pre-Event #97. IGF, Online, International: 04.11.2020	Wolfgang Schulz
Discussion/Meeting	AI & Democracy Human-Centric Artificial Intelligence: 2nd French-German-Japanese Symposium. DWIH Tokyo, French Embassy to Japan, Online, Japan: 18.11.2020	Jeanette Hofmann
Lecture/Talk: AI & Democracy	Human-centric Artificial Intelligence: 2nd French-German-Japanese Symposium. DWIH Tokyo, French Embassy to Japan, Online, Japan: 18.11.2020	Wolfgang Schulz
Lecture/Talk: Online Platform Markets 2021 – An opportunity for SMEs?	Expert Workshop The Platform Economy as an Opportunity for SMEs and Start-ups Support programmes to develop an ambitious innovation strategy and skill sets. European Commission, Online, Belgium: 09.12.2020	Fabian Stephany
National scope		
Participating expert	Sozialwissenschaftliche Methoden Erstellen einer Seminararbeit. Gymnasium Altona, Hamburg, Germany: 16.01.2020	Katharina Mosene
Participating expert	Evaluation der DSGVO aus zivilgesellschaftlicher Sicht. Digitale Gesellschaft. Digitale Gesellschaft, Berlin, Germany: 16.01.2020	Jörg Pohle
Lecture/Talk: Junges Engagement: Bestandsaufnahme, Potentiale und Herausforderungen	Wir für Klima, Demokratie und Gerechtigkeit! Zukunft Bildung Schleswig Holstein, Landesbeauftragter für politische Bildung. Landeshaus, Kiel, Deutschland: 17.01.2020	Theresa Züger
Session lead/Workshop moderation: Business Model Innovation & Storytelling	Digital:Relaunch Konferenz 2/2020. nHow Berlin, Germany: 17.02.2020	Philip Meier, Christoph Gerling
Lecture/Talk: Meinungs- und Informationsfreiheit im Internet – Menschenrechte online	Klausurtagung der Arbeitsgruppe Menschenrechte und Humanitäre Hilfe, CDU/CSU-Bundestagsfraktion. Berlin, Germany: 09.03.2020	Matthias C. Kettemann
Lecture/Talk: Datenschutzkonforme Online Kollaboration & Interaktive digitale Veranstaltungen	MuPdigital. Akademie Management und Politik, Friedrich-Ebert-Stiftung, Online, Bonn, Germany: 12.03.2020	Katharina Mosene
Session lead/Workshop moderation: Geschäftsmodelle in Krisenzeiten	Mittelstand 4.0-Kompetenzzentrum Berlin. Online, Germany: 24.04.2020	Pablo Schmiemann, Annika Ulich
Panel: China und die EU in der Digitalisierung: Werte, Wege, Wegweiser	Leibniz Media Lunch Talk: Der Corona-Effekt: Schlaglichter auf Technik und Recht in der Pandemiebekämpfung zwischen China und Europa. Leibniz Institute for Media Research | Hans Bredow Institute, Online, Germany: 28.04.2020	Matthias C. Kettemann

EVENT ACTIVITY	EVENT	RESEARCHER
Keynote: Excellence and Trust	Excellence and Trust – Webinar on the EU White Paper on AI. Representation of the European Commission in Germany, KI Bundesverband, Humboldt Institute for Internet and Society, Online, Germany: 04.05.2020	Wolfgang Schulz
Lecture/Talk: Entstehung und Reproduktion sozialer Ungleichheiten im Netz	24h Online – Surfst du noch oder lebst du schon? Zentralwohlfahrtstelle der Juden in Deutschland, Online, Germany: 10.05.2020	Katharina Mosene
Lecture/Talk: Was bringt die Corona-App?	GIWebTalk – Was bringt die Corona-App? Gesellschaft für Informatik e.V. Gesellschaft für Informatik e.V, Online, Germany: 25.05.2020	Jeanette Hofmann
Discussion/Meeting	Virtueller Roundtable über die aktuelle Situation der Medienbranche Perspektiven für Journalismus und Medienangebote Mediendialog Hamburg. Behörde für Kultur und Medien der Hansestadt Hamburg, Online, Germany: 27.05.2020	Wolfgang Schulz
Lecture/Talk: Datenschutz und Öffentlichkeitsarbeit	Jugend engagiert sich – digital! Bündnis für Demokratie und Toleranz, Federal Agency for Civic Education, Online, Germany: 04.06.2020	Katharina Mosene
Lecture/Talk: Künstliche Intelligenz und KMU	AI Coffee Talks der KI-Trainer. Mittelstand-4.0 Kompetenzzentren-übergreifend, Online, Germany: 10.06.2020	Klemens Witte, Nils Hungerland
Lecture/Talk: Wie digital darf Demokratie sein?	Netzgeschichten TALK: Wie digital darf Demokratie sein? Telekom, Online, Germany: 12.06.2020	Jeanette Hofmann
Lecture/Talk: Diskriminierungstechnologien und Emanzipationsperspektiven	Krisentechnologien und Kooperationstechnik. Perspektiven auf die Rolle menschenzentrierter Technik bei der Krisenbewältigung. Young Forum: Technikwissenschaften (JF:TEC), Online, Germany: 18.06.2020	Katharina Mosene
Lecture/Talk: Internetzugang als Daseinsvorsorge? Staatliche Pflichten zur Sicherung gesellschaftlicher Teilhabe vor und nach Corona	Krisentechnologien und Kooperationstechnik. Perspektiven auf die Rolle menschenzentrierter Technik bei der Krisenbewältigung. Young Forum: Technikwissenschaften (JF:TEC), Online, Germany: 18.06.2020	Matthias C. Kettemann
Session lead/Workshop moderation: Digitale Geschäftsmodellinnovationen	Mittelstand 4.0-Kompetenzzentrum Berlin. Humboldt Institute for Internet and Society, Online, Germany: 22.06.2020	Pablo Schmiemann, Annika Ulich
Panel: Digitale Session zum „Dritten Engagementbericht der Bundesregierung“	Federal Ministry for Family Affairs, Senior Citizens, Women and Youth, Online, Germany: 23.06.2020	Jeanette Hofmann
Lecture/Talk: Demystifying AI	AI Coffee Talks der KI-Trainer. Mittelstand 4.0-Kompetenzzentren-übergreifend, Online, Germany: 24.06.2020	Philip Meier, Nastasja Krohe
Session lead/Workshop moderation: Geschäftsmodell-Innovationen in Krisenzeiten	Wirtschaftsrat Hessen, Netzwerk Familienunternehmen und Mittelstand Hessen. Online, Germany: 25.06.2020	Pablo Schmiemann, Annika Ulich
Discussion/Meeting	Expertengespräch Sondierungsprojekt KI in der Pflege (SoKIP). Online, Germany: 14.07.2020	Thomas Schildhauer
Lecture/Talk: Das Weiterbildungstool für den Mittelstand	Team Up – Digitale Kompetenzen für Ihr Personal von morgen. Mittelstand-4.0 Kompetenzzentrum Berlin, Online, Germany: 09.09.2020	Sonja Köhne
Panel: Wie geht's dem Internet in Deutschland?	XII. Deutsche Internet Governance Forum (IGF-D). Internet Governance Forum Deutschland e.V, Online, Germany: 10.09.2020	Matthias C. Kettemann
Panel: Interview: Engagement der Zukunft – digital-demokratisch-direkt	Auftaktveranstaltung 16. Woche des bürgerschaftlichen Engagements. National Network for Civil Society. Online, Berlin, Germany: 11.09.2020	Claudia Haas
Lecture/Talk: Demokratie und digitaler Wandel	Online-Themenwoche: Digitale Schule? Auf den Kulturwandel kommt es an! Deutsche Schulakademie, Online, Germany: 23.09.2020	Jeanette Hofmann

EVENT ACTIVITY	EVENT	RESEARCHER
Session lead/Workshop moderation: Digitalcheck Mittelstand – Digitale Transformation vorantreiben	Mittelstand 4.0-Kompetenzzentrum Berlin. Humboldt Institute for Internet and Society, Online, Germany: 29.09.2020	Annika Ulich
Lecture/Talk: Mitarbeiter*innen-zentrierter Einsatz von People Analytics	LABOR.A® 2020 – Arbeit der Zukunft in Corona-Zeiten. Hans-Böckler-Stiftung, Forschungsstelle Arbeit der Zukunft, Online, Germany: 07.10.2020	Miriam Klöpper, Sonja Köhne
Session lead/Workshop moderation: We, the Internet – Citizens' Dialogue on the Future of the Internet	We, the Internet – Citizens' Dialogue on the Future of the Internet. Missions Publique. Berlin, Germany: 10.10.2020	Elias Koch
Lecture/Talk: Ein Beitrag zum Handlungsfeld »Innovation«	KI und Politik: Zukunftstechnologie »Made in Germany«? Körber Foundation, Online, Germany: 03.11.2020	Ali Aslan Gümüşay
Panel: Digitale Fishbowl: 2020 – Digitalisierung entdeckt und Jugend vergessen	„Jugend.Digital.Beteiligen". The German Children and Youth Foundation, Online, Germany: 10.11.2020	Claudia Haas
Lecture/Talk: Zukunft Zivilgesellschaft: Junges Engagement im digitalen Zeitalter Erkenntnisse und Folgerungen aus dem 3. Engagementbericht	Expert*innen in eigener Sache: Wie gelingt Jugendbeteiligung? Evangelische Akademie Loccum, Online, Germany: 11.11.2020	Jeanette Hofmann
Panel: Nachhaltigkeit? Mit Sicherheit!	Digital Gipfel 2020. Federal Ministry for Economic Affairs and Energy (BMWi), Online, Germany: 01.12.2020	Jeanette Hofmann
Lecture/Talk: Zukunft Zivilgesellschaft: Junges Engagement im digitalen Zeitalter – Erkenntnisse und Folgerungen aus dem Dritten Engagementbericht	5. Deutscher EngagementTag 2020. Federal Ministry for Family Affairs, Senior Citizens, Women and Youth (BMFSFJ); National Network for Civil Society. Online, Berlin, Germany: 03.12.2020	Jeanette Hofmann
Session lead/Workshop moderation: Zukunft Zivilgesellschaft: Junges Engagement im digitalen Zeitalter – Erkenntnisse und Folgerungen aus dem Dritten Engagementbericht	5. Deutscher EngagementTag 2020. Federal Ministry for Family Affairs, Senior Citizens, Women and Youth (BMFSFJ); National Network for Civil Society, Online, Germany: 03.12.2020	Claudia Haas

SECURING AND DEVELOPING THE INSTITUTE'S FUTURE

1. Acquisition of institutional and project funding to extend the life-span of the institute (confirmed)

BRIEF DESCRIPTION	FUNDER	DIRECTOR/RESEARCHER	CONTRACT TIME FRAME	FUNDING 2020
Institutional funding	GFI/google	–	01.01.2020 – 31.12.2022	1 500 000 €
Support on the project: Multi-Stakeholder Dialog zur Thematik: "freier Datenfluss" und "Datensouveränität"	Federal Ministry for Economic Affairs and Energy (BMWi)	Wolfgang Schulz	01.11.2020 – 31.12.2020	100 224 €
Support on the project: Folgeveranstaltungen Dritter Engagementbericht	Federal Ministry for Family Affairs, Senior Citizens, Women and Youth (BMFSFJ)	Anja Adler, Lorenz Grünewald-Schukalla, Jeanette Hofmann	01.10.2020 – 30.09.2021	27 000 €
Support on the project: twentyforty – Scenarios for a Digital Society	Stifterverband	Bronwen Deacon, Benedikt Fecher	01.11.2020 – 31.07.2021	5 000 €
Support on the project: Ethics of digitalisation	Stiftung Mercator	Marie Rosenkranz, Katharina Mosene, Matthias C. Kettemann, Alexander Pirang, Wolfgang Schulz	01.07.2020 – 30.06.2022	237 500 €
Support on the project: Public Interest AI	Federal Ministry of Education and Research (BMBF)	Theresa Züger, Wolfgang Schulz	01.10.2020 – 30.09.2024	119 688 €
Support on the project: Legale Anatomie von KI	Nemetschek Stiftung	Alexander Pirang, Wolfgang Schulz	01.04.2020 – 30.11.2020	10 000 €
Support on the project: Legale Anatomie von KI	Vodafone Institute for Society and Communications	Alexander Pirang, Wolfgang Schulz	01.04.2020 – 30.11.2020	45 000 €
Support of two Internet & Jurisdiction Conferences	Federal Ministry for Economic Affairs and Energy (BMWi)	Wolfgang Schulz	15.03.2020 – 30.09.2020	120 744 €
Support on the project: Organisationale Adaptivität im deutschen Hochschulkontext	FernUniversität Hagen	Melissa Laufer, Benedikt Fecher	01.04.2020 – 31.03.2023	120 224 €
Support on the project: Algorithmic Accountability: Designing Governance for Responsible Digital Transformation	Norway Research Council	Christian Katzenbach	01.01.2020 – 31.12.2020	20 000 €
Support on the project: Portraitreihe: Junges Engagement im digitalen Zeitalter	Federal Ministry for Familiy Affairs, Senior Citizens, Women and Youth (BMFSFJ)	Jeanette Hofmann, Theresa Züger	01.12.2019 – 31.12.2020	79 267 €
Support on the project: OPEN NEXT	H2020	Hendrik Send	01.09.2019 – 31.08.2022	132 714 €
Support on the project: reCreating Europe	H2020	Christian Katzenbach	01.01.2020 – 31.12.2022	105 314 €
Support on the project: Strategien und Governance für Europas Plattform-Ökonomie	Hans Böckler Stiftung	Nicolas Friederici	01.01.2020 – 31.12.2021	204 604 €
Support on the project: KI und Wissenschaft (KIWI)	Federal Ministry of Labour and Social Affairs (BMAS)	Shirley Ogolla, Thomas Schildhauer, Hendrik Send	01.05.2019 – 30.04.2022	231 271 €
Support on the project: 3. Engagementbericht der Bundesregierung	Federal Ministry for Family Affairs, Senior Citizens, Women and Youth (BMFSFJ)	Claudia Haas, Lorenz Grünewald-Schukalla, Julia Tiemann-Kollipost, Jeanette Hofmann, Theresa Züger	01.10.2018 – 30.09.2020	107 836 €

BRIEF DESCRIPTION	FUNDER	DIRECTOR/RESEARCHER	CONTRACT TIME FRAME	FUNDING 2020
Support on the project: Action for computational thinking in social sciences (ACTISS)	Erasmus+	Nataliia Sokolovska, Benedikt Fecher	01.12.2018 – 31.08.2021	11 911 €
Support on the project: IMPaQt – Qualitätsentwicklung in der Wissenschaft	Federal Ministry of Education and Research (BMBF)	Nataliia Sokolovska, Benedikt Fecher	01.06.2019 – 31.05.2022	138 000 €
Support on Juniorprofessorship Humboldt-Universität Berlin „Digitales Wissensmanagement in Studium und Lehre an der Hochschule“	Commerzbank Stiftung	Wolfgang Schulz, Thomas Schildhauer, Benedikt Fecher	01.10.2018 – 30.09.2024	82 667 €
Support of the event series: Making Sense of the Digital Society	Bundeszentrale für politische Bildung (bpb)	Christian Katzenbach, Jeanette Hofmann	01.12.2017 – 31.12.2020	120 000 €
Support on the project: Kompetenzzentrum 4.0 (incl. AI Trainer)	Federal Ministry for Economic Affairs and Energy (BMWi)	Nicolas Friederici, Philip Meier, Thomas Schildhauer	01.05.2016 – 30.04.2021	591 450 €
Support on the journal: Internet Policy Review (IPR)	Centre national de la recherche scientifique (CNRS), Fraunhofer ISI, Liverpool University Open Access Fund, Universitat Oberta de Catalunya (UOC), University of Strathclyde	Frédéric Dubois	01.01.2020 – 31.12.2020	18 700 €
Support on the project: InnOAcceSS	Deutsche Forschungsgemeinschaft (DFG)	Frédéric Dubois, Christian Katzenbach, Jeanette Hofmann	01.06.2019 – 28.02.2021	78 961 €
				4 208 075 €

IMPRINT

ANNUAL RESEARCH REPORT OF THE
ALEXANDER VON HUMBOLDT INSTITUTE
FOR INTERNET AND SOCIETY

Volume 2020
Published January 2021

PUBLISHER

Alexander von Humboldt Institute for Internet and Society
Französische Str. 9
10117 Berlin

DANKE TEŞEKKÜR EDERIM **TODA** XIÈXIE **GRAZIE** HVALA **DANKON** THANK YOU **MAHALO** KIITOS **GRACIAS** DANKIE **MERCI** OBRIGADA **KAM SAH HAMNIDA** DHANYAVAD **SIYABONGA** MAURUURU **TAK**

Anhalt University of Applied Sciences, Berkman Klein Center for Internet & Society, Berlin Institute of Health, Berlin Science Week, Berlin University of the Arts (UdK), BI Norwegian Business School, Centre national de la recherche scientifique (CNRS), Commerzbank-Stiftung, CREATe, Deutsche Forschungsgemeinschaft (DFG), Einstein Center Digital Future, European Union (Erasmus+), European Union (H2020), Federal Agency for Civic Education (BpB), Federal Ministry for Economic Affairs and Energy (BMWi), Federal Ministry for Family Affairs, Senior Citizens, Women and Youth (BMFSFJ), Federal Ministry of Education and Research (BMBF), Federal Ministry of Finance (BMF), Federal Ministry of Labour and Social Affairs (BMAS), FernUniversität in Hagen, Filmuniversität Babelsberg, Fraunhofer Institute for Systems and Innovation Research (ISI), Foundation Internet and Society, German Association for Small and Medium-sized Businesses (BVMW), German Centre for Higher Education Research and Science Studies (DZHW), German Institute for Economic Research (DIW), Google, Hans Böckler Foundation, Internet & Jurisdiction Policy Network, Leibniz Institute for Media Research | Hans Bredow Institute (HBI), Hasso Plattner Institut, Humboldt-Universität zu Berlin (HU), Kooperative Berlin Kulturproduktion, Leibniz Association, Leibniz Research Alliance Science 2.0, Nemetschek Stiftung, Norway Research Council, Social Science Research Center Berlin (WZB), Stifterverband, Stiftung Mercator, Technische Hochschule Brandenburg, TU Berlin, Universitat Oberta de Catalunya (UOC), University of Glasgow, University of Liverpool, University of Strathclyde, University of Warsaw, Vodafone Institute for Society and Communications

Alexander von Humboldt
INSTITUTE FOR INTERNET
AND SOCIETY