

RESEARCH REPORT 2021

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 with a focus on internet and society, HIIG has established an understanding that centres on the deep interconnectedness of digital innovations and 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. Innovation and governance interact in ambiguous ways; they may both mutually stimulate and even enable each other but they may also be constraining.

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-Institut (HBI) in Hamburg as an integrated co-operation partner.

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STRATEGIC OBJECTIVES 2021

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 intend 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 build creative spaces for knowledge production that allow us to quickly respond to disruptive phenomena and promote new ways of 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.

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 impact through transfer outlets 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 2021:

- Adjusting and strengthening HIIG's profile and distinctive characteristics, primarily 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 an international thought leader and advocating for an open, inclusive and sustainable form of AI 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 via the Data & Society Interface project
- Serving as the European Hub's leading centre and initiating and strengthening network building measures
- Advancing knowledge production and transfer from research through topic-oriented formats and 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 and corresponding fundraising strategies. Beyond these core objectives, HIIG's activities in 2021 were of course influenced by another year of the pandemic. Accordingly, all measures to achieve these goals had to be significantly adjusted throughout the year.

THE INSTITUTE'S LINEUP



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FAREWELL 2021

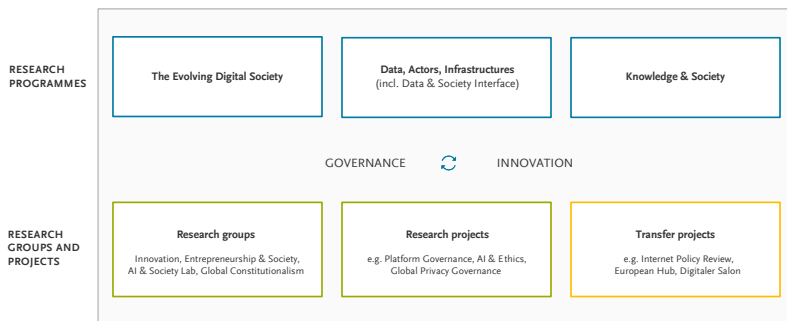
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PROBLEM-ORIENTED RESEARCH ON INTERNET AND SOCIETY

The Alexander von Humboldt Institute for Internet and Society aims to broaden the theoretical and empirical foundations of internet and society research in order to contribute to a better understanding of the 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 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, the Data & Society Interface explores 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:



RESEARCH PROGRAMMES

Analysing the relationship between innovation and governance, HIIG has developed three long-term research programmes, which provide the framework for the 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

The Evolving Digital Society research programme analyses ongoing transformative processes by looking at the concepts, discourses, and material objects and interfaces that shape the reality of digital societies. The research programme continued its work, which focuses on empirical and comparative research projects on key topics like platform governance, AI imaginaries and humanoid robots. At the same time, we continued and refined our existing high-profile transfer activity with the *Making Sense of the Digital Society* lecture series as well as the publication project *Defining Concepts of the Digital Society*.

As part of the first focal theme, platform governance, we finalised the first phase of our study on **platform governance and copyright** as part of a H2020-funded consortium ReCreating Europe. Based on a collection of 2000+ content policies from major and niche platforms over a period of up to 15 years, we have reconstructed the changing governance of copyright and content by platforms, which have become increasingly powerful intermediaries and rule-makers. The results reveal that platforms' copyright content moderation structures have become much more complex and opaque over time. In addition, the increasing deployment of automated content moderation and the almost complete absence of copyright exception rules has led to a disproportionate concentration of decision-making power in the hands of platforms. In the second project phase, we will investigate the impact of these governing structures on diversity and access to content. Building on this empirical work as well as previous work at HIIG, we have launched the *Platform Governance Archive*, an open platform and data repository providing access to the content policies, moderation guidelines and terms of service of major platforms since 2006. With the transition of PI Christian Katzenbach to the University of Bremen, we will continue this project as a collaborative effort between both organisations. In 2021, we have also continued to build the Research Network on Platform Governance with partners across the world. We held the Inaugural Conference online in March 2021 and are now formalising the governance structure of the network and are planning future conferences and funding pathways.

In the context of the second focal theme, the discursive and political construction of AI, we have started the major international project **Shaping 21st Century AI – Controversies and Closure in Media, Policy, and Research**. We are the lead partner of this consortium project with partners in Canada, France and the UK, funded by DFG, ANR, ESRC and SSHRC. In 2021, we have managed to roll out this comprehensive collaborative effort in the challenging context of the pandemic. By the end of 2021, the first phase, detailing the comparative empirical work, will be complete, along with the first case studies on policy, media discourse and research controversies in AI. The team has presented the project and curated round tables at key conferences and published both conceptual as well as empirical papers. The second project **Imaginarities of Artificial Intelligence**, funded by the DFG and SNF in their joint DACH scheme, started in November 2021. This project will investigate AI imaginaries in the United States, China and Germany and their impact on policy making. Both projects will be executed in collaboration with the University of Bremen. These activities emphasise HIIG's role as a major European research organisation that is 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 the material dimension of (media) technologies as interfaces and social agents. In particular, we focused on the various interpretations of the **concept of autonomy** and specifically addressed the conditions that constitute both human and machine autonomy. In a collaborative conference with the Brandenburg Centre for Media Studies (ZeM) on the *Infrastructures of Autonomy*, participants identified two major interpretations of autonomy. The first impulse in the debates on autonomy is to tie it to figurations of the human, such as the rational and free subject, which often serves to portray machine agency as something categorically different. The second understanding of autonomy, on the other hand, regards it as a relational quality that can only exist within specific symbolic or material frameworks. It is these infrastructures of autonomy that create complex entanglements of human/machine autonomy. The research programme's intercultural comparative work continued both conceptually and empirically in 2021, focusing on the socio-cultural specifics of phenomena such as humanoid robots, autonomous weapons and digitally simulated faces (so-called deep fakes). These comparative perspectives – especially those looking at differences between Euro-American and East Asian discourses – indicate 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 being collected, stored and processed is driving innovation processes, while new technologies and new modes of data analysis and surveillance are challenging established relations across all of society. In our research programme The Governance of Data-Driven Innovation and Cybersecurity,

we investigate these challenges for governance structures and processes with a particular focus on the competitive context and on public interest contexts. The goal is to develop practical solutions that balance both the benefits and risks of automated data processing.

In 2021, the defining elements of our work were our efforts to connect and cross-fertilise the research in our projects to put the theoretical and empirical insights gained in previous research into practice – for example, by practically designing and implementing governance structures and processes for data collection, sharing and use that are acceptable to all stakeholders or creating guidelines for data protection by design and oversight practices. We primarily focused on further developing 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 helped to greatly expand the Digital Urban Center for Aging & Health (DUCAH) and successfully initiated its transformation into a cooperative to provide for its long-term sustainability.

The **Data & Society Interface** aims to use the data stored in the data silos of public and private organisations more effectively for the good of society. Instead of simply calling for open data and data sharing, practices that often face 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 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. In our research, we focused on (1) the challenges of and practical approaches to performing secure, privacy-friendly and data-protection-compliant distributed computations on medical data, (2) the design of hardware security modules that facilitate data sovereignty in distributed data processing, and (3) privacy-preserving automated contact tracing and super-spreader event detection.

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 2021, we focused on our project Data Governance: Defining a Transdisciplinary Research Framework and further developed our 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 layout (e.g. centralised or decentralised). We have also prepared a publication on the final model, to be submitted in early 2022, while we have already published two short papers that provide an overview of the framework and outline approaches for the design of data governance structures and processes, one of them tailored to the DUCAH project. The project's findings will then provide the basis both for empirical research into the online advertising industry, the automotive sector or the smart city context, and the design and implementation of real-world data governance practices.

The **Data Protection as a Service (DPaaS)** project built upon our previous research on the particular challenges faced by small and medium-sized controllers in complying with the EU General Data Protection Regulation (GDPR) and the development of suitable approaches to help them to implement and enforce data protection requirements. In 2021, in a HIIG discussion paper, we summarised our experiences with and findings on the development of two certification schemes with associated design criteria for technical and organisational measures to be carried out to comply with the provisions of the GDPR – one for web hosting and one for the online marketing field (the latter has also been submitted for approval to the Deutsche Akkreditierungsstelle, DAkkS, the German national accreditation body). We have also initiated a knowledge transfer project, with a workshop on data protection by design in supervisory practice being first offered to data protection authority staff in October. This will lead to the publication of a set of guidelines for the application and enforcement of Article 25 GDPR.

The **Digital Urban Center for Aging & Health (DUCAH)** is an inter-university collaboration platform addressing issues of living and aging in a digital society. In 2021, we started the Intersectoral Founding Forum for Innovations in the Healthcare System with 22 partners, 10 associated partners and a variety of affiliated scientific institutions. These organisations, together with the HIIG team, are driving the development of DUCAH, building its structures and contributing expertise. Eight agile teams uniting scientists, funders and associates are addressing specific aspects and challenges of technology adoption among elderly people. Current research activities around DUCAH focus on the areas: (1) building a multi-stakeholder network, (2) innovation at the intersection of digitalisation, health and living environment and (3) data, regulation and health/society. Field research with digital innovation products started in November 2021, and content-related tailoring to enable the establishment of co-creation processes is occurring in parallel. Two successful research funding applications concerning the use of AI in nursing care and for fall prevention have led to two projects that will help improve knowledge in the field of digital health and aging and have the potential to build a knowledge bridge to the AI & Society Lab.

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

The Knowledge & Society research programme focuses on shifts in academic knowledge creation, organisation, and dissemination from an inter- and transdisciplinary perspective. The programme comprises three pillars, which aim to combine research on external science communication (Science Communication and Societal Impact), on communication within science (Open Science and Research Integrity) and higher education development (Knowledge Organisation). 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 these pillars in 2021.

The **Organisational Adaptivity in the Higher Education Context (ORA)** project is a cooperation between HIIG and the FernUniversität in Hagen, research cluster Digitalisation, Diversity and Lifelong Learning – Consequences for Higher Education (D²L²). The two studies we conducted last year led to several appearances and publications in the national and international space in 2021. The results showed different levels of preparedness at different higher education institutions, an opportunity for innovation but also an increase in inequalities. Furthermore, a systematic literature review has been completed and is in the process of submission. Here, leadership and strategy, infrastructure and resources, and recognition and motivation were the main factors impacting the implementation of educational technologies. Another study will describe the digitisation process and the dynamics within higher education institutions in order to gain insight into factors that hinder and support the use of digital elements in teaching. Here, the team has conducted 68 interviews with a wide range of staff at programme, faculty and management level, recruited at different universities in Germany and other European countries. This material is currently being analysed and will result in eight case studies.

The project **Indicators, Performance and Measurement of Third-Mission Activities in Social Sciences (IMPaQT)**, funded by the German Federal Ministry for Education and Science, aims to identify quality criteria and indicators for third mission activities – which broadly encompass science communication and measures to achieve societal impact – in the social sciences and humanities. In 2021, we proceeded to collect data by conducting in-depth semi-structured interviews with German local politicians (six in-depth interviews) and journalists (two in-depth interviews) in order to understand their reception logics and understandings of quality – we were able to speak with six mayors of German cities. Our main focus was on identifying and studying innovative research organisations that actively engage in third-mission activities and provide suitable conceptual, personal and financial conditions for this. Here, we conducted 30 in-depth semi-structured interviews with representatives of such organisations in four different countries (Germany, the UK, Netherlands and Belgium) and started analysing the data. Furthermore, our study among science communication practice experts on SSH, scientists and representatives of different societal publics was published. It was conducted to better understand their quality expectations and criteria.

In the **Scholar-led plus** project (April 2021–March 2023), we aim to improve the state of scholar-led, open access journals without author-facing charges (diamond open access) by developing a community support structure. This includes developing a governance and business model together with stakeholders from the publishing community, implementing the newly developed concept and setting up the structure itself, deriving strategies from the accompanying research for long-term support of diamond OA journals, and finally

transferring the results and recommendations for subsequent use in other publishing communities. In April 2021 we launched the project with a detailed document analysis of existing business and financing models for diamond open access publishing, which confirmed the project's aim of establishing a community-funded support structure. With this result, we started the outreach phase by preparing an information package (including the roadmap, action points, and code of conduct) and compiling a sample of relevant journals using the Directory of Open Access Journals. Individuals from this key set of journals were asked to participate in an initial LimeSurvey on the costs of diamond open access publishing. Together with an in-depth analysis of other relevant studies on OA publishing costs, we summarised the results of the survey in an 10 page evaluation memo that laid the foundation for the storymapping workshops with journals and funders (Spring 2022). In autumn 2021, we also started internal discussions and requested external expertise on the pillars of a community governance model and the legal form of the support structure.

We are currently analysing the rich data that we collected and plan to publish the results of these studies in 2022. For us, it is important that the results also have practical relevance for different publics such as policymakers or higher education institutions. We feel vindicated in our selection of this priority – the research group leader has been a member of #factorywisskomm, the leading think tank of the Federal Ministry of Science and Education, which has published its results in 2021. In addition, a research team member has been invited to join the CRISP project (Crisis Science Project), which has been appointed by the ministry to develop a prototype of an innovative organisation and software for scientific policy advice in crises. Two project members have continued working at the Berlin Brandenburg Academy of Science, doing research that focuses on quality in science communications; a key paper in this context has been finalised and will be published in 2021. Two of our research group members are members of the European GoFair Implementation Network, which aims to implement FAIR (findable, accessible, interoperable and reusable) data principles. Our results have been referred to in policy papers by the Wissenschaftsrat, which has also invoked our study on the key literature on open data. We also continue to maintain our blog on science policy and science communication Elephant in the Lab (elephantinthelab.org).

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. 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 (award-winning) journal and newspaper articles on topics around digital technologies and value creation, AI and work, collaboration and openness, platforms and ecosystems, and digital social innovation and entrepreneurship. We have also conducted innovative interdisciplinary and collaborative workshops on- and offline. 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 technologies for (digital) organising. In 2021, the IES group consisted of four research projects.

HIIG was part of the Mittelstand 4.0 Competence Centre Berlin **„Gemeinsam digital** between 2016 and 2021. The Federal Ministry of Economic Affairs and Energy funded the programme (now called Mittelstand-Digital), which supports SMEs by offering expert knowledge, demonstration centres and best-practice examples, among other things. In 2021, the project was successfully completed. What remains of the 5-year competence centre at HIIG is the insights into transferring research into practice and taking into account the needs of SMEs. In order to meet the specific challenges SMEs face with regard to digitalisation and disruptive technologies, support services were developed with and for the target groups. The results were published in blog posts, activity cards for collaboration between SMEs and startups, online information services for digital training and many more.

In the **Artificial Intelligence & Knowledge Work – Implications, Opportunities And Risks** (KIWI) project, we conducted case study research in eight German organisations that have either implemented AI or are in the process of developing AI systems. Based on our analysis, we identified three pervasive changes that knowledge workers perceive: a shift from manual labour and routine tasks to controlling and exception handling, an emergence of new tasks and roles and an emergence of new skill requirements. In addition, we identified three factors that are conducive to the development of AI systems in the context of knowledge work: leadership support, participative change management and effective integration of domain knowledge. We presented our findings at the EGOS conference and

plan to submit a version of the conference paper to a journal in early 2022. In addition to the case studies, we conducted 23 interviews with employee and union representatives to explore the implications of AI for the future of work representation. Our preliminary analysis reveals several challenges that these representatives face in regard to the adoption of AI, such as the immaterial nature of AI and the lack of an agreed upon definition of what constitutes AI. While the work representatives we interviewed are aware of the potential risks of AI, they also see AI as an opportunity to relieve both workers and themselves of repetitive routine tasks.

In our project **OPEN!NEXT – Open and Community-based Innovation Processes** 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 project is a Horizon 2020 research project supported by the European Union. The aim of our part is to better understand company-community collaboration in open-source innovation processes in the hardware area. In 2021, we published the article “Free Technologies for the Whole World to Use” and explained in detail why open source hardware is in the public interest. We also submitted another paper entitled “Balancing the Freedom and Control Paradox in Company-Community Collaborations”. Here we developed a model on how companies can digitally organise the contributions of communities. In 2021, we also completed the post- and pre-impact assessment for the project and focused on questions around open source hardware community building and product development with open source principles. We found that companies heavily benefit from OSH implementation, especially in terms of new and creative ideas, community management and cooperation. For 2022, we plan to present the findings at different conferences and will also publish (as editors) a practical book about the implementation of open source hardware.

Research on the European platform economy in 2021 was conducted within the **Platform Alternatives** project – with support from the Hans Böckler Foundation. We set out to understand the structural effects of large American platforms and the strategies of their European competitors. What we found was a highly diverse and active landscape. We witnessed the interest and involvement of European platform providers in actively positioning themselves in the platform economy. Two digital roundtables (organised in cooperation with our consortium partner Oxford Internet Institute and the German Representation of the European Commission) brought together representatives of Europe´s most interesting platform businesses to discuss regulation and digital industrial policy at national and EU level. In addition a publication entitled “The Strategic Guide to Responsible Platform Business”, embedded in a research issue in focus on the HIIG website, highlighted alternative strategies for European platforms that can help them prosper as more sustainable alternatives. We also maintained the European task force to conduct and foster research on digital platforms, established a network of platform experts and promoted knowledge transfer and exchange.

AI & Society Lab

The **AI & Society Lab**, an inter- and transdisciplinary research laboratory, has focused on three main topics this year: research on AI in the public interest, intersectional AI and the explainability of AI for the public. Regarding the latter, the lab co-hosted an interdisciplinary research clinic with participation of experts such as Prof. Judith Simon and technical experts from the DFKI, bringing perspectives from governance, law, AI development and design in a deep and fruitful exchange. The findings of the clinic will be published in a comprehensive report in early 2022 and might lead to additional research publications. Our research fellow Sarah Ciston focused her work at HIIG on artistic research on the development of an intersectional AI toolkit. In September, we hosted a very successful workshop in which the toolkit was presented and collaboratively explored, with organisations like netzforma e. V., the MOTIF Institute and SUPERRR Lab.

The most extensive research efforts in the AI & Society Lab were dedicated to the question of how AI can be developed and deployed in the public interest, particularly in the context of our **Public Interest AI** project. During this year, the research group submitted a conceptual paper to a leading journal in which they explored political and legal theory as a foundation for an applied understanding of public interest AI. In addition, each of the three PhD candidates presented and published their first conference papers. In general, the group has started to conceptualise a public interface that will demonstrate all research findings and allow other researchers, as well as citizens, to participate in the research process. The interface will also include a worldwide survey on projects that consider themselves public interest AI. The results of this research will be published later in a publicly available database. We also started developing two technical projects. The first uses machine learning to detect features relevant to accessibility – for instance, stairs in pictures of public buildings. The second explores how machine learning can be used to help translate standard German into a simple language version. Both projects have successfully acquired sufficient data sets for the training process. Another project has started exploring the concept of design patterns as a productive guide for the development of public interest AI to produce an outcome that can be used by practitioners in the future.

Global Constitutionalism and the Internet

In 2021, this research group continued to contribute to the research into constitutionalist principles on the internet and the application thereof. The **public International Law of the Internet** project published a special edition of Germany's leading international law journal, *ZaöRV*, containing articles investigating the impact of the internet on international law and vice versa. Further outputs generated by the project will be published in an OA book in 2022. Project team members contributed to refining society's understanding of

the challenges of digital sovereignty. The project team also contributed to both the national German and the international Internet Governance Forum.

The project on **Cybersecurity** continued to liaise with stakeholders in international politics and foreign affairs, both with regard to disinformation and cybersecurity and with regard to establishing a cyber-incidence database. The growing Digital Constitutionalism discussion group brought together researchers from HIIIG and abroad for regular meetings and presentations by both senior and early-stage digital constitutionalism scholars and to discuss current issues in this field. In 2021, outreach continued and key group members established themselves as leading voices in the digital constitutionalism discourse community.

Global Digital Knowledge Community

In cooperation with the Gesellschaft für Internationale Zusammenarbeit (GIZ), in November 2021 we launched a new project that will support the newly established Digital Transformation Centres (DTCs) in 10 countries worldwide in research questions regarding digitalisation, entrepreneurship and climate change. The project includes different sub-research projects, case studies, research sprints, dissemination events and multi-stakeholder dialogues with a focus on digital technologies for climate-resilient development, sustainable business models, and work organisation and regulation in the platform economy. In 2021, an initial roadmap and research agenda were drafted and a preliminary analysis of the current state of digitalisation in the respective countries was conducted.

RESEARCH PROJECTS

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

Expert Events on the Third Engagement Report

The **Third Engagement Report** addresses civic engagement with a focus on the future of civil society and young engagement in the digital age. Following the publication of the Third Engagement Report, a series of four expert events took place to discuss the key findings of the report. The event series kicked off with a workshop for so-called engagement organisations. The digitalisation workshop presented aspects of digital organisational work and discussed fundamental questions of digitalisation in engagement organisations. The data workshop focused on the possibility to use the data collected by engagement organisations as part of their mission. The virtual roundtable *Platforms in Engagement* brought together operators of engagement platforms and platform experts to discuss the possibilities of collaboration. The discussion forum *Strengthening for Young and Digital Engagement* invited young activists to exchange ideas for strengthening social and political participation with actors from politics and civil society. The series of events was funded by the BMFSFJ.

Innovative Open Access in Small Sciences (InnOAccess)

The **InnOAccess** project (June 2019–February 2021; together with ZBW – Leibniz Information Centre for Economics; DFG-funded) took the dynamic and diverse OA ecosystem as a starting point and aimed 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 intended to improve editorial infrastructures, design sustainable open access funding modules for small science contexts and test new network and cooperation models.

Following on from events in 2020, we finalised, published and disseminated two white papers in the HIIG Discussion Paper Series. One white paper connects innovations in publishing technology with the question of sustainability; the other evaluates and recommends financing solutions for open access publishing without author-facing charges (diamond open access). In addition, we prepared our project evaluation in close collaboration with our partners at the ZBW-Leibniz Information Centre for Economics and stakeholders in the publishing community (e.g. diamond OA journals, research libraries, research societies, funding organisations). Lastly, we intensified our cooperation with the German working group scholar-led.network and managed to secure funding to further develop one key result of the project – sustainable financing through consortial funding structures – until 2023 (see **Scholar-led Plus**).

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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 business.

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. International exchange was still limited in the year 2021, but, nevertheless, innovative exchange formats enabled it 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 research project **The Ethics of Digitalisation – From Principles to Practices** is 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 (DAH) and the Leibniz Institute for Media Research | Hans-Bredow-Institut. The research project, mainly conducted within the AI & Society Lab, aims to develop viable responses to challenges at the intersection of ethics and digitalisation. In 2021, we facilitated interdisciplinary scientific work and a global dialogue via research sprints and clinics, and together with international fellows, we explored various practice-oriented questions on the ethics of digitalisation like:

- Increasing Fairness in Targeted Advertising (virtual clinic, February 2021, hosted by HIIG)
- Digital Self-Determination (virtual research sprint, March–May 2021, hosted by DAH)
- Toward an African Narrative on Digital Sovereignty (virtual research sprint, June–July 2021, hosted by SARChI-ID, University of Johannesburg)

- Challenges & Opportunities of Public Sector AI Policy (virtual clinic, July 2021, hosted by BKC)
- Explainable AI (clinic, September 2021, hosted by HIIG)
- Cities, Digitalisation, and Ethics (virtual clinic, October 2021, hosted by DAH)

The European Hub, launched by members of the NoC in October 2017 and led by HIIG, continues to strengthen European internet research and collaboration, with a special focus on the exchange between young researchers, on an international level. 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 the programme in 2022. Furthermore, the European Science Press Service (ESPS) continues 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 successfully promotes 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

Following the success of our PhD candidates over the last ten years, 2021 marked the beginning of a new generation of PhD students, primarily in the broad and interdisciplinary field of AI research. Our former researchers are following diverse career paths: from positions as judges, professors (e.g. at the University of Bremen, UdK, TUB, IFS), founders, consultants, public servants in 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. Our researchers are hence making a strong impact in the public and private sectors. In 2021, we can proudly look back on three completed theses. HIIG researchers furthermore received awards and grants, including the OMT Best Published Paper Award.

2021 was another challenging year for international research exchange due to restrictions of the COVID-19 pandemic. HIIG researchers used the year for writing/publishing and for exploring alternative formats for virtual international academic exchange and networking. Despite all the challenges, we had the pleasure of welcoming three international fellows to our institute – digitally as well as physically. Moreover, one guest researcher joined the HIIG for a research stay within the framework of her DAAD stipend. For 2022, we are planning a hybrid fellowship programme and will onboard about five fellows, three visiting researchers as well as two German Chancellor Fellowship researchers.

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 and internet and society. Following an open science approach, HIIG reaches out to political, civil society and economic actors 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 and transfer formats

With an ongoing pandemic in 2021, the organisation of events and dissemination activities continued to be challenging. However, HIIG was able to continue its knowledge transfer activities in online, hybrid and offline formats and thus maintained a dialogue with societal stakeholders. The three undertakings below exemplify the wide range of activities in 2021 that explored the social, economic and legal repercussions of digitalisation from all perspectives.

Lecture series: Making Sense of the Digital Society and compendium

In 2021 the HIIG continued the high-profile lecture series Making Sense of the Digital Society (organised in cooperation with the Federal Agency for Civic Education), which is now successfully in its fourth year. With two onsite lectures and renowned speakers such as Jan-Werner Müller and Judith Simon, the lecture series maintained its prestigious character even under difficult circumstances. Besides the lectures we focused this year on additional online curation based on the comprehensive collection of material related to the lecture series. A new podcast with seven thematic clusters gives an overview of the diverse topics and materials of the lectures series and thus also facilitates access to this field for non-experts and a broad public.

Stakeholder dialogue: Ethics of Digitalisation

In October 2021, the HIIG concluded the first phase of the NoC (Global Network of Internet and Society Research Centers) research project The Ethics of Digitalisation – From Principles to Practices, with a Multi-Stakeholder Dialogue. The findings from different research formats, such as sprints and clinics, were discussed with a wide range of relevant stakeholders from civil society, academia, politics and the private sector. The diverse group of experts drew initial conclusions and recommended next steps and actions to foster an ongoing societal debate about the ethics of digitalisation.

Talk series: Digitaler Salon

In 2021, the HIIG continued its long-standing talk format Digitaler Salon with an updated version: in every second edition of the Digitaler Salon, the series provided a deep dive into one topic. A researcher or other expert in the field was then on hand to give better insights into current research questions. Besides that, we maintained the community character of the talk series with active online participation and discussion and onsite events in the second half of 2021.

Internet Policy Review

Internet Policy Review is an open access journal on internet regulation published by HIIG together with four European research institutes. The Johan Skytte Institute of political studies (University of Tartu) has joined as a new partner this year. Nine years in, the journal publishes a steady flow of 50+ peer-reviewed research articles a year. The output of Internet Policy Review is driven by its focus on special issues and special sections and the *Glossary of Distributed Technosocial Systems*.

The special section *Defining Concepts of the Digital Society*, edited by HIIG's Christian Katzenbach and Thomas C. Bächle, and currently boasting 15 entries, saw the addition of three key concepts this year: "decentralisation", "digital democracy" and "artificial emotional intelligence". The "Glossary of Distributed Technologies", edited among others by the University of Amsterdam's Valeria Ferrari, currently includes 10 short socio-technical term definitions. Fifteen terms are undergoing review.

This year, the special issues were *Governing 'European Values' Inside Data Flows*, guest-edited by the University of Amsterdam's Kristina Irion, Ans Kolk, Stefania Milan, and the University of Lucerne's Mira Burri; and *Feminist Data Protection*, guest-edited by Jens T. Theilen of Helmut-Schmidt-University, the University of Tübingen's Andreas Baur and Regina Ammicht Quinn, the Office of the Data Protection Commissioner Schleswig-Holstein's Felix Bieker and Marit Hansen, as well as Gloria González Fuster of Vrije Universiteit Brussel.

Communication

In the second year of the COVID-19 pandemic, science communication had to face multiple challenges. Many processes, whether in the private or professional sphere, took place digitally, and content consumed on screens reached a noticeable saturation point. At the same time, even greater importance was given to the topics of science communication itself and digitisation by the public sphere. One of the main efforts for the institute's communication in 2021 was to make HIIGs research results tangible and understandable –

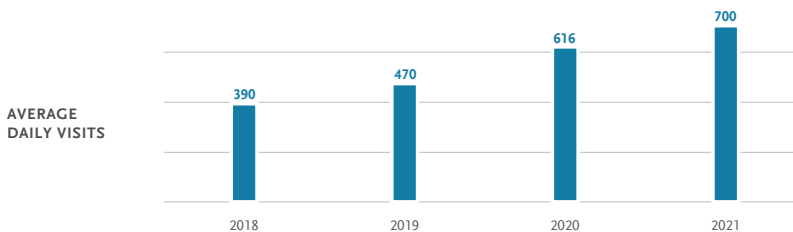
despite the lack of events and personal exchanges as well as the huge overload of digitally available information.

In 2021, HIIGs communication concentrated on three research projects in order to promote their findings in as diverse formats as possible. One was the project **Ethics of Digitalisation**, which was able to communicate its results in various ways: Research sprints and clinics were documented by their participants in classic ways like papers and blog posts, but the modes of communication also included card games or video pieces. A second research project that played a central role in communication in 2021 is the **AI & Society Lab**. The focus was on the debunking of myths about AI with the OER collection “Why, AI?!", which is primarily intended to appeal to multipliers in teaching. The third project that was highlighted by HIIG's communicative activities was the **European Platform Alternatives** project. The results were then made available to the general public in the form of a strategic guide for companies and a research topic in focus on the *Digital Society Blog*, with several blog posts and videos.

HIIG received numerous press enquiries from renowned media organisations. In addition to general questions on current developments in the field of internet and society, the focus was on concrete debates on digital policy (especially on the digital infrastructure in Germany and the nationwide question of the need for a digital ministry). Media reports appeared, among others, in: *Süddeutsche Zeitung*, *El País*, *Deutschlandfunk*, *Tagesspiegel*, *The Washington Post*, *TAZ*, *Deutschlandfunk*, *Handelsblatt*, *SWR*, *FR* and *BR*.

Overall, HIIG was able to further increase its reach and visibility in 2021. HIIG uses various academic and non-academic information channels and communication tools, including:

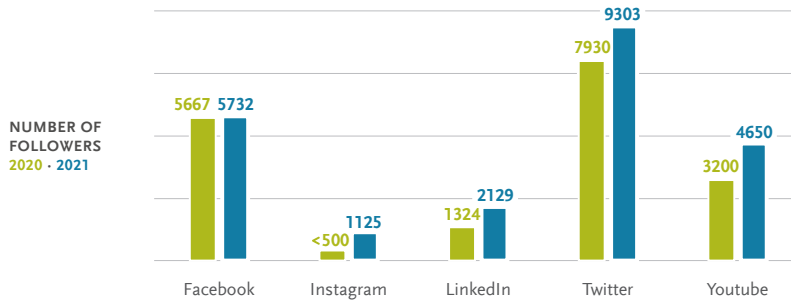
The HIIG website: The website is the central online information hub of HIIG. Continuous search engine optimisation efforts have contributed to the visibility of the research topics and the institute. The website records an average of 4,877 visits with 8,267 page views per week.



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. On average, one blog post per week is published, which means that almost 60 articles are published annually. With a social media video campaign, the visibility of the blog has been significantly increased since August by over 100% (Aug – Nov 2021: 1120 visits, April – July 2021: 436 visits).

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. A special focus in 2021 was on YouTube as a channel that helped us keep our events visible via live streams during lockdown periods as well as on Instagram in order to continue expanding our outreach to new target groups.



Newsletter: HIIG offers various topic-specific newsletters, including an event newsletter, a monthly newsletter on current blog articles (7,493 subscribers), and a notification service on job postings. The "Quarterly" is HIIG's newsletter that offers more in-depth information on projects and results (subscribers worldwide: 6,900).

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 society42

Node of an international network of knowledge production, transfer and dissemination49

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
01.02.2021	Zwischen Autonomie und Überwachung: Arbeitnehmer*innen-orientierter Einsatz von People Analytics in Präsenz- und Fernarbeit Submitted at: Hans-Böckler-Stiftung (confirmed)	FZI Forschungszentrum Informatik	Sonja Köhne, Georg von Richthofen, Hendrik Send
04.03.2021	Digitale Lösungen in der Versorgung erfahrbar machen – Innovative Modellvorhaben im Rahmen der Zukunftsregion Digitale Gesundheit Submitted at: Federal Ministry of Health (declined)	BIA – Berlin Innovation Agency	Annika Ulich, Christoph Gerling
17.03.2021	Physisch geschützte Datentreuhänderschaft Submitted at: Federal Ministry of Education and Research (BMBF) (declined)	Nitrokey	Jan Götte
31.03.2021	Prozessentwicklung und -begleitung zum KI-Einsatz in der Pflege – ProKIP Submitted at: Federal Ministry of Education and Research (BMBF) (confirmed)	Universität Bremen Universität Bremen, vediso e.V., Charité – Universitätsmedizin Berlin, Beuth Hochschule für Technik	Max Grafenstein, Jörg Pohle
31.03.2021	KI in der Pflege – Sturz/Delir/Medikation (KIP-SDM) Submitted at: Federal Ministry of Education and Research (BMBF) (submitted)	Charité – Universitätsmedizin Berlin, EGZB, Lindera GmbH, Beuth Hochschule für Technik	Max Grafenstein, Jörg Pohle
31.03.2021	KI-gestützte zahnmedizinische Diagnostik für Pflegeempfangende Submitted at: Federal Ministry of Education and Research (BMBF) (declined)	EJF, Empident, Medondo, Medizinische Hochschule Hannover	Luiza Bengsston, Max von Grafenstein, Jörg Pohle
19.04.2021	Qualitätssicherung im Transfer (Quatra) – Prozesse, Strukturen und Rollen der Qualitätssicherung von Wissenstransfer an Deutschen Hochschulen Submitted at: Federal Ministry of Education and Research (BMBF) (declined)	Weizenbaum Institute – Research for the Networked Society	Benedikt Fecher, Wolfgang Schulz
06.05.2021	SenseHEI [Sensemaking in the era of Higher Education Institutions' Digital Transformation] Submitted at: CHANSE (submitted)	University Warsaw	Benedikt Fecher, Natalia Sokolovska
07.05.2021	Wissenschaftsjahr 2022 – Humboldt Expedition Submitted at: Federal Ministry of Education and Research (BMBF) (declined)	Stiftung Hülshoff	Christian Grauvogel, Benedikt Fecher
31.05.2021	Digitale Krisenresilienz (DigiRes): Strategien zur nachhaltigen Krisenbewältigung in der Postpandemie Submitted at: Federal Ministry of Education and Research (BMBF) (submitted)	Leibniz-Institut für Medienforschung Hans-Bredow-Institut (HBI), Network of Centers (NoC)	Stephan Bohn, Benedikt Fecher, Ali Aslan Gümüşay, Matthias C. Kettemann
24.08.2021	Technologiegestützte Innovationen für Sorgegemeinschaften (TIS-NETZ): Ein Netzwerk für Sorgegemeinschaften Submitted at: Federal Ministry of Education and Research (BMBF) (declined)	Charité, Ruhr-Uni Bochum, Hoffnungstaler Stiftung Lobetal (HStL), Condat	Jörg Pohle

SUBMITTED	TITLE/SUBMITTED AT	PARTNER	APPLICANTS
24.08.2021	Stärkung selbstbestimmter "Kulturen der Sorge" in der informellen Pflege durch technologiegestützte Innovation für Sorgegemeinschaften (Begleitprojekt) Submitted at: Federal Ministry of Education and Research (BMBF) (declined)	K8 Institut für strategische Ästhetik gGmbH, Hochschule für Technik und Wirtschaft des Saarlandes, Deutsches Institut für Demenzforschung, Universität des Saarlandes, AAL Netzwerk e.V., Fachstelle pflegende Angehörige, Nui Care GmbH	Jörg Pohle, Annika Ulich
01.09.2021	Global Digital Knowledge Community Submitted at: Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) (confirmed)		Ali Aslan Gümüşay, Nicolas Friederici, Matthias Kettemann, Stephan Bohn
08.10.2021	INCA – Increasing Corporate political responsibility and Accountability in the platform economy Submitted at: H2020 (submitted)	University Bologna, PI Edoardo Mollona, University Barcelona, Tilburg, Wroclaw + institutes e.g., COLABOR	Nicolas Friederici
15.12.2021	Theoretische und praktische Ansätze der gemeinwohlorientierten Anwendung künstlicher Intelligenz Submitted at: Federal Ministry for the Environment, Nature Conservation, Nuclear Safety and Consumer Protection (confirmed)	-	Theresa Züger

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

Please see 'Promoting up-and-coming researchers and academic visitor programmes' on p. 35.

3. 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 publications list on pp. 22 – 33.

4. Academic lectures and panels

Selected competitive/peer-reviewed conference presentations

EVENT ACTIVITY	EVENT	RESEARCHER
Lecture/Talk: Zwischen Agenda, Zwang und Widerspruch. Der liberale Staat und der Fall KI	NTA9-TA21: Digital, Direkt, Demokratisch? Technikfolgenabschätzung und die Zukunft der Demokratie. Organised by Institute of Technology Assessment of the Austrian Academy of Sciences. Online, Vienna, Austria: 11.05.2021	Jascha Bareis
Lecture/Talk: Amplifying Privacy: Scaling Up Transparency Research Through Delegated Access Requests	5th Workshop on Technology and Consumer Protection (ConPro '21). Organised by ConPro '21. Online, San Francisco, USA: 27.05.2021	Hadi Asghari
Panel: Remote Working During the Pandemic I: Experiences from different continents	Conference: Annual Conference of the Society for the Advancement of Socio-Economics. SASE Conference, Online, Germany: 03.07.2021	Fabian Stephany
Lecture/Talk: How to interact with robots in Japan – A comparative perspective on the Eurocentric concept of agency	International Conference: Agency in a Datafied Society: Communication between and across humans, platforms and machines (Session: Entanglements and Agency). Organised by ZeMKI (University of Bremen). Online, Bremen, Germany: 30.07.2021	Thomas Christian Bächle
Session lead/Workshop moderation: Presentation: Hostile frame takeover. Co-opting the security frame in the German nuclear energy debate	Conference: Annual Meeting of the Academy of Management (AOM-2021). Academy of Management, Online, USA: 03.08.2021	Stephan Bohn, Nora Lohmeyer, Harsh Kumar Jha & Juliane Reinecke
Lecture/Talk: Automatically evaluating the conceptual complexity of German texts	KONVENS 2021 (Session: Automatically evaluating the conceptual complexity of German texts). Heinrich-Heine-Universität Düsseldorf, Düsseldorf, Germany: 09.09.2021	Freya Hewett
Lecture/Talk: Online Labour Index 2020: New ways to measure the world's remote freelancing market	3rd Crowdfunding Symposium. Universität Bremen, Online, Germany: 17.09.2021	Fabian Stephany
Lecture/Talk: Particles of a whole: design patterns for transparent and auditable AI-systems	UbiComp '21: The 2021 ACM International Joint Conference on Pervasive and Ubiquitous Computing. Organised by UbiComp. Online, New York, USA: 25.09.2021	Judith Faßbender
Panel: Toward a new methodological paradigm in transition studies? Recent approaches for analyzing collections of texts by discourse (network) analysis, topic modeling and natural language processing	Conference: 12th International Sustainability Transitions Conference (IST). Fraunhofer-Institut für System- und Innovationsforschung, Online, Germany: 05.10.2021	Christian Binz, Stephan Bohn, Jonas Heiberg, Daniel Hain, Birthe Soppe & Bernhard Truffer

Selected invitations to academic lectures and panels

EVENT ACTIVITY	EVENT	RESEARCHER
International scope		
Lecture/Talk: Citizen science in a connected world: Ethical issues with using Internet of Things devices	CitSci Helvetia. Organised by Citizen Science Center Zurich, Participatory Science Academy, Citizen Cyberlab, & Foundation Science et Cité. Online, Zurich, Switzerland: 15.01.2021	Anna Jobin
Lecture/Talk: Produktion von Handlungswissen für Plattformgovernance: Daten, Interfaces und Institution	Internet-Plattformen für Europa. Organised by Institut für vergleichende Medien- und Kommunikationsforschung (CMC) der österreichischen Akademie der Wissenschaften und der Universität Klagenfurt, Institut für Innovation und Digitalisierung im Recht. Online, Vienna, Austria: 19.01.2021	Wolfgang Schulz
Panel: Where are the Missing Data Subjects? Democratising Data Protection Through Participation	Conference: Computers, Privacy and Data Protection. Organised by CDPC. Online, Brussels, Belgium: 28.01.2021	Max von Grafenstein
Lecture/Talk: Was (auch) Jurist*innen über KI wissen sollten: mehr (künstliche) Intelligenz für die juristische Ausbildung	The International Legal Informatics Symposium. Law Faculty of the University of Salzburg. Online, Salzburg, Austria: 26.02.2021	Matthias C. Kettemann
Lecture/Talk: Rights & Violence	Rights & Violence. Universität Graz, Graz, Austria: 15.03.2021	Katharina Mosene
Keynote: Gesellschaftliche Aspekte technologischer Innovation	APARIUZ Tagung. Organised by University of Zurich: Faculty of Law. Online, Zurich, Switzerland: 19.03.2021	Anna Jobin
Lecture/Talk: The rapid digital turn – an exploration into the tight and loose coupling of university structures	Understanding Digital Transformations of Higher Education Teaching and Learning in the Nordics and Beyond. Organised by Agder (Norway), Aarhus (Denmark) and KTH Royal Institute of Technology (Sweden). Online, online, Norway, Denmark, Sweden: 30.03.2021	Bronwen Deacon, Len Ole Schäfer, Melissa Laufer
Panel: Entrepreneurship and faith – a diversity of religious perspectives	Conference: L.I.F.E. Research Conference 2021 – 1st Annual Research Conference on Faith and Entrepreneurship. Organised by Miami University, L.I.F.E. Research Lab. Online, Miami, USA: 08.04.2021	Ali Aslan Gümüşay
Lecture/Talk: What AI ethics can do (and what it cannot do)	ASU Machine Learning Day. Organised by Arizona State University. Online, Tempe (AZ), USA: 09.04.2021	Anna Jobin
Keynote: Not just technology – The turn to algorithms and AI in Governing social communication	Algorithms in Film, Television and Sound Cultures: New Ways of Knowing and Storytelling. Organised by Bilgi University, Faculty of Communication. Online, Istanbul, Turkey: 29.04.2021	Christian Katzenbach
Lecture/Talk: Wer bestimmt, was man sagen darf: Regelbildung in digitalen Kommunikationsräumen	Kriminologisches Kolloquium. Organised by Kriminologisches Forschungsinstitut Niedersachsen. Kriminologisches Forschungsinstitut Niedersachsen. Online, Hannover, Germany: 04.05.2021	Matthias C. Kettemann
Session lead/Workshop moderation: Reihe "Daten Macht Recht"	Conference: Lunchtalk "Normative Algorithmen". WWU Münster, Münster, Germany: 13.05.2021	Katharina Mosene
Lecture/Talk: Theoretische Implikationen einer Governance von Informationsintermediären und insbesondere Plattformen – Bedarf eines Paradigmenwechsels?	Mediensymposium der Universität Zürich 2021 (Session: Theoretische Implikationen einer Governance von Informationsintermediären und insbesondere Plattformen – Bedarf eines Paradigmenwechsels?). Organised by Universität Zürich. Universität Zürich, Zurich, Switzerland: 10.06.2021	Wolfgang Schulz
Lecture/Talk: The making of »Japanese Robot Culture«: comparing East Asian and European visions of Artificial Intelligence	International Symposium: Visions of Artificial Intelligence: Society, Art and Future Technologies. Organised by HafenCity University Hamburg (HCU). Online, Hamburg, Germany: 12.06.2021	Thomas Christian Bächle

EVENT ACTIVITY	EVENT	RESEARCHER
Lecture/Talk: Information Governance Technologies	CEPE/IACAP Joint Conference 2021 (Session: The Philosophy and Ethics of Artificial Intelligence). Online, Hamburg, Germany: 07.07.2021	Wolfgang Schulz
Lecture/Talk: Digital higher education – A divider or bridge builder? Leadership perspectives on digital learning for collaboration	CHER 33rd Annual Conference Promoting Closer Relations and Scholarly Dialogues Between European and Asian Higher Education Researchers. Organised by University of Hong Kong; CHER Board of Governors. Online, Hong Kong, HKSAR: 01.09.2021	Bronwen Deacon, Anne Leiser, Erle Lim Chuen Hian, Ilka Parchmann
Lecture/Talk: Self-stification of private actors – A Solution to the legitimacy vacuum in cyberspace?	The 16th Annual Conference of the European Society of International Law (Session: Cyber Space and Changes in Lawmaking). Organised by European Society of International Law. Aula Magna, Stockholm, Sweden: 10.09.2021	Anna-Sophia Tiedeke
Lecture/Talk: The rapid digital turn – an Exploration into the tight and loose coupling of university structures	43rd Annual EAIR Forum 2021: Transformation Fast and Slow: Quality, Trust and Digitalisation in Higher Education. Organised by Humboldt-Universität zu Berlin. Online, Berlin, Germany: 10.09.2021	Bronwen Deacon, Len Ole Schäfer, Melissa Laufer
Lecture/Talk: "One strategy does not fit all" – A typology of European platform competition	Session E: Platform Economy. BEYOND4.0 Conference. Online, Sofia, Bulgaria: 01.10.2021	Tina Krell, Nicolas Friederici
Panel: Inequalities in higher education – A global perspective	Conference: University:Future Festival 2021 – Open for Discussion. Organised by Hochschulforum Digitalisierung. Online, Berlin, Germany: 03.11.2021	Anne Leiser, Bronwen Deacon, Pam Fredman, Amy Ogan, Barbara Moser-Mercer, Jeff Grabill
National scope		
Talk: Sprache und Realität	Sprache und Realität. Leibniz-Institut für Medienforschung Hans-Bredow Institut, Hamburg, Germany: 21.04.2021	Katharina Mosene
Lecture/Talk: Enge und lose Kopplungen in der Hochschule – Die COVID-19 Pandemie und digitale Lehre	Soziologische Betrachtungen zur Digitalisierung der Lehre (in der COVID-19-Pandemie). Organised by DIPF Leibniz-Institut für Bildungsforschung und Bildungsinformation. Online, Frankfurt am Main, Germany: 10.09.2021	Bronwen Deacon, Len Ole Schäfer, Moritz Timm, Melissa Laufer
Lecture/Talk: Qualität in der digitalen Lehre – Eine Untersuchung von Einflussfaktoren	Tagung der Gesellschaft für Hochschulforschung 2021. Organised by Gesellschaft für Hochschulforschung. Online, Siegen, Germany: 16.09.2021	Moritz Timm, Bronwen Deacon, Melissa Laufer, Len Ole Schäfer
Lecture/Talk: Gastvortrag beim Sonderforschungsbereich MAKI, "Handling Scarce Resources in Networked Systems"	Gastvortrag beim Sonderforschungsbereich MAKI, "Handling Scarce Resources in Networked Systems" (Session: Gastvortrag beim Sonderforschungsbereich MAKI, "Handling Scarce Resources in Networked Systems"). Organised by Sonderforschungsbereich MAKI. Online, Darmstadt, Germany: 22.09.2021	Björn Scheuermann
Panel: Mehr KI als Verstand – Technik im Dienste des Menschen?	Conference: Mehr KI als Verstand – Technik im Dienste des Menschen? Organised by Zentrum für Angewandte Kulturwissenschaft und Studium Generale. Karlsruher Institut für Technologie, Karlsruhe, Germany: 10.10.2021	Ali Aslan Gümüşay

Selected organisation of academic lectures and panels

EVENT	LOCATION/DATE	RESEARCHER
International scope		
Workshop: Research Clinic – Increasing fairness in targeted advertising – The risk of gender stereotyping by job ad algorithms	Online, Humboldt Institute for Internet and Society, Berlin, Deutschland 01.02.2021 – 14.02.2021	Shlomi Hod, Friederike Stock, Nadine Birner, Matthias C. Kettemann, Alexander Pirang, Wolfgang Schulz
Conference: STS-CH 2021	Online, Lausanne, Switzerland 15.02.2021 – 17.02.2021	Anna Jobin
Workshop: Digital Ideas Lunch Series: Law in the Algorithmic Society	Online, Online, Online 03.03.2021 – 26.05.2021	Matthias C. Kettemann
Lecture/Talk: MAN 910 – Area Management Seminar	University of Mannheim Business School, Mannheim, Germany 17.03.2021	Ali Aslan Gümüşay
Conference: The First Annual Conference of the Platform Governance Research Network	Online, Berlin, Germany 24.03.2021 – 26.03.2021	Robert Gorwa, João Carlos Magalhães, Clara Iglesias Keller, Amélie Heldt, Christian Katzenbach
Workshop: Courts of the Future – The Future of Courts Between Automated Justice and Platform Jurisprudence	Online, Hamburg, Germany 22.04.2021	Matthias C. Kettemann, Wolfgang Schulz
Lecture/Talk: Digital Rights in Context. Global Digital Human Rights Network Highlights Lecture Series	Online, Hamburg, Innsbruck, Tallinn, Germany, Estonia 04.05.2021 – 25.01.2022	Matthias C. Kettemann
Conference: CEPE/IACAP 2021 – The philosophy and ethics of Artificial Intelligence	Online, Hamburg, Germany 05.07.2021 – 09.07.2021	Anna Jobin
Workshop: The 3rd Workshop on Security, Privacy, Organizations, and Systems Engineering (SPOSE)	Darmstadt, Online, Germany 08.10.2021	Jörg Pohle
Lecture/Talk: Innsbrucker Digitaldialog	Online, Innsbruck, Austria 14.10.2021 – 09.06.2022	Matthias C. Kettemann
Lecture/Talk: Innsbrucker Zukunftsgespräche. Innovation, Nachhaltigkeit und Verantwortung	Online, Innsbruck, Austria 21.10.2021 – 23.06.2022	Matthias C. Kettemann
Lecture/Talk: Hosting Visionaries	Online, Hamburg, Germany 05.11.2021 – 30.11.2021	Matthias C. Kettemann
Lecture/Talk: Innsbrucker Theoriekolloquium. Positionen zur Rechtstheorie als kritische Praxis	Online, Innsbruck, Austria 25.11.2021 – 02.06.2022	Matthias C. Kettemann

EVENT	LOCATION/DATE	RESEARCHER
National scope		
Discussion/Meeting: 4. Hamburger Gesprächskreis Automatisiertes Entscheiden "Nicht gut, nicht böse, nie neutral – KI im Brennpunkt feministischer und intersektionaler Kritik"	Online, Hamburg, Germany 11.03.2021	Katharina Mosene
Roundtable: Data Governance in Digital Platform Economy	Humboldt Institute for Internet and Society, Online, Germany 23.06.2021 – 23.06.2021	Asal Dardan, Lea Erlenwein, Lena Starke, Tina Krell, Matthias C. Kettemann
Workshop: Organisation der Qualitätssicherung von Wissenschaftskommunikation	BBAW, Berlin, Germany 26.06.2021 – 26.06.2021	Benedikt Fecher
Workshop: Infrastrukturen der Autonomie	Humboldt Institute for Internet and Society, Berlin, Germany 29.09.2021 – 30.09.2021	Thomas Christian Bächle
Summer School: Summerschool zum Thema Fehlerkultur	Fakultät für Medizin, TU München, Munich, Germany 04.10.2021 – 06.10.2021	Katharina Mosene
Conference: Digitale Nachhaltigkeit oder nachhaltige Digitalisierung? Sozial- und gesellschaftstheoretische Perspektiven auf das Verhältnis von Digitalisierung und Nachhaltigkeit	Humboldt Institute for Internet and Society, Berlin, Germany 02.12.2021 – 03.12.2021	Katharina Block, Jörg Pohle
Workshop: XII. Interdisziplinärer Workshop „Privacy, Datenschutz & Surveillance“	Humboldt Institute for Internet and Society, Berlin, Germany 14.12.2021	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. 34 – 35.

Involvement in NoC events

EVENT	LOCATION/DATE	RESEARCHER
Research Clinic – Increasing fairness in targeted advertising – The risk of gender stereotyping by job ad algorithms	Online, Humboldt Institute for Internet and Society, Berlin, Deutschland 01.02.2021 – 14.02.2021	Matthias C. Kettemann, Christian Katzenbach, Alexander Pirang
Research Sprint – Digital Self-Determination	Online, Hong Kong, HKSAR, The Digital Asia Hub, Berkman Klein Center at Harvard University. 15.03.2021	Malavika Jayaram
Research Sprint – Toward an African Narrative on Digital Sovereignty	Online, South African Research Chair in Industrial Development at the University of Johannesburg, Johannesburg, South Africa 08.06.2021 – 27.07.2021	Padmashree Gehl Sampath, Fiona Tregenna, Phumzile Ncube
Virtual research clinic – Challenges & opportunities of public sector AI policy	Online, Berkman Klein Center for Internet & Society at Harvard University, Cambridge, USA 01.07.2021 – 31.07.2021	Urs Gasser, Elisabeth Sylvan
Research clinic – Explainable AI	Coconat Gutshof, Bad Belzig, Germany 08.09.2021 – 11.09.2021	Wolfgang Schulz, Matthias Kettemann
Virtual research clinic – Cities and the ethics of digitalisation	Online, The Digital Asia Hub, Hong Kong, HKSAR 01.10.2021 – 31.10.2021	Malavika Jayaram, Dev Lewis
Stakeholder-Dialog – Ethik der Digitalisierung	Humboldt Institute for Internet and Society, Berlin, Germany 06.10.2021 – 08.10.2021	Wolfgang Schulz, Matthias Kettemann

Serving as a host-institution for post-docs

RESEARCHER/DATE/PROJECT PARTNER SHORT CV/HOME INSTITUTION

Nina Shengelia 01.07.2021 – 30.07.2021 Jörg Pohle	Nina Shengelia is a lecturer at Tbilisi State University and a PHD researcher based in Georgia. In July 2021 she was a visiting researcher at HIIG in the framework of DAAD Scholarship of Research Grants for PHD students. Nina's research is concerned with digital constitutionalism, regulation, co-regulation and self-regulation of social media platforms, digital rights, human rights, social media councils, platform governance, intermediary liability as well as impact of social media and human rights on fragile democracies. She studied law at King's College London and has completed a Master's Degree at BPP University in the framework of her scholarship from a leading London based law firm, Herbert Smith Freehills. Nina worked as a lecturer of law at Georgian Institute of Public Affairs at the Department of Law and Politics between 2016 and 2019. She has been working as a lecturer of Media Law at Tbilisi State University at the Department of Journalism and Mass Communication Studies since 2020. Since 2019 Nina is a member of "Digital Constitutionalism Discussion Group" at HIIG. Nina is also heading a non-governmental organization Digital Democracy Center in Georgia and is a former fellow at Sector 3 where her work focused on Media Literacy, Disinformation and Regulation Policy Review. Tbilisi State University
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Organising an annual fellowship programme for associated post-graduates

FELLOW/DATE/PROJECT PARTNER SHORT CV/HOME INSTITUTION

Sarah Ciston 01.03.2021 – 31.08.2021 Theresa Züger	Sarah Ciston is a PhD Candidate in Media Arts + Practice at the University of Southern California, where she leads Creative Code Collective—a student community for co-learning programming using approachable, interdisciplinary strategies. Her research investigates how to bring intersectionality to artificial intelligence by employing queer, feminist, and anti-racist theories, ethics, and tactics at every stage of development and implementation. She makes computational art and experimental writing that argue for embodied, embedded, and ethical approaches to technology; and her artistic research projects include a natural language processing interface that 'rewrites' the inner critic and a chatbot that explains feminism to online misogynists. She completed a Master of Fine Arts in Literature at University of California San Diego and a Bachelor in English from University of Southern California, and she worked previously in open-access publishing at the Public Library of Science. While supporting the AI & Society Lab at HIIG, she is developing a library of digital-print hybrid zones on Intersectional AI. University of Southern California
Lubna Rashid 01.04.2021 – 30.09.2021 Ali Aslan Gümüşay	Lubna is a postdoctoral researcher at the Technische Universität Berlin at the Chair of Entrepreneurship and Innovation Management, (co-)leading research at the intersection of entrepreneurship, digitalisation, sustainability and grand societal challenges. Her PhD research focused on the factors enabling entrepreneurial success in fragile countries, involving first-hand analyses in Syria, Pakistan, and Nigeria. She is primarily a quantitative researcher with experience in statistical methods and a passion for data science and machine learning. She plans to (further) incorporate theoretical perspectives from psychology, biology and computer science into her research. Lubna was a graduate from the Jordan University of Science and Technology (B.Sc. in Biotechnology) and the Georgia Institute of Technology (M.Sc. in Health Systems) before having studied in Germany. She was born in Iraq and has spent years working with several activist groups, consultancies and social entrepreneurs across the USA, Europe and the Arab world. At HIIG, she conducted research at the junction of entrepreneurship, artificial intelligence and sustainable outcomes in Arabic-speaking contexts. Technische Universität Berlin

FELLOW/DATE/PROJECT PARTNER	SHORT CV/HOME INSTITUTION
Maurice Jones 12.04.2021–15.10.2021 Thomas Christian Bächle, Christian Katzenbach	<p>Maurice Jones is a curator, producer, and AI policy researcher based in Tokyo, Japan. Following ventures into journalism and business consultancy, he has been producing, curating and communicating the electronic music and digital arts festival MUTEK.JP following its arrival in Tokyo in 2016. As MUTEK.JP's Artistic & Communications Director, he is committed to the promotion of electronic music and digital art in Japan within a global context. As curator and producer Maurice explores the application of new technologies, such as Artificial Intelligence or Virtual Reality in initiatives that investigate these in a cross-cultural context. Most recently this manifested in him curating and facilitating the MUTEK.JP VR Salon (January 2019), the MUTEK.JP AI Music Lab (November 2019) and the MUTEK AI Art Lab (March 2020). These endeavours directly resulted in new performances, artworks, and releases presented around the world. His professional activities combined with his academic background in Cultural Studies and International Relations guide his interdisciplinary research interest in exploring cross-cultural visions of Artificial Intelligence and their impact on governance efforts. By investigating the diversity of cultural perspectives on AI Maurice ultimately seeks to foster intercultural understanding by inspiring an open and inclusive discourse around this novel technology.</p> <p>AI for People, MUTEK Japan Association</p>

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
Interview: Twitter sperrt 70.000 Konten. Wie lässt sich Social Media demokratisieren?	Deutschlandfunk Kultur (Radio) 12.01.2021	Jeanette Hofmann
Interview: Medienunternehmen als „Internetpolizei“	Deutschlandfunk (Radio) 12.01.2021	Matthias C. Kettemann
Interview: Wer sperrt – und nach welchen Regeln?	Tagesschau (TV) 13.01.2021	Matthias C. Kettemann
Interview: COSMO Tech – Wer kontrolliert die Internetkonzerne?	COSMO Radio (Online) 19.01.2021	Amélie Heldt
Interview: Digital Health: More time for personal care	//next (Online) 21.01.2021	Thomas Schildhauer
Interview: „Ein nachhaltiges Ziel unserer Arbeit ist es, zu verdeutlichen, was die Technik eigentlich kann“	Brain City Berlin (Online) 26.01.2021	Wolfgang Schulz
Interview: Ringen um Urheberrecht	ZDF (TV) 29.01.2021	Amélie Heldt
Interview: Matthias Kettemann über Deplatforming und die Folgen	Netzpölitik.org (Online) 30.01.2021	Matthias C. Kettemann
Interview: IT & Recht Podcast	AnchorFm (Radio) 11.02.2021	Jörg Pohle
Article: Ins Netz gegangen	Human Resources Manager (Online) 05.03.2021	Sonja Köhne, Hendrik Send
Interview: Demokratie-Forum Hambacher Schloss: Demokratie in Zeiten digitaler Medien – zwischen Qualitätsjournalismus und Fakenews	SWR (TV) 10.03.2021	Jeanette Hofmann
Article: Online-Stellenanzeigen: Diskriminierung durch die Hintertür	Tagesspiegel Background Digitalisierung (Online) 23.03.2021	Humboldt Institute for Internet and Society
Quote: Die Entzauberung des Silicon Valley	Deutschlandfunk Kultur (Radio) 25.03.2021	Jeanette Hofmann
Interview: Facebook auf PR-Reise. Beziehungsstatus: Es ist kompliziert	ZDF heute (TV) 01.04.2021	Matthias C. Kettemann
Interview: Das Co-Design des Gemeinwohls	Wikimedia (Online) 19.04.2021	Theresa Züger
Article: Die Weltordnung des Digitalen	Zeitschrift Vereinte Nationen (Print) 20.04.2021	Matthias Kettemann
Interview: Συμβαίνει στην Ευρώπη	Ertflix (TV) 20.04.2021	Matthias Kettemann
Quote: Wird Trump zum Wendepunkt in der Geschichte des Internets?	Tagesspiegel (Print) 05.05.2021	Jeanette Hoffmann
Article: Private Macht und Private Gewaltenteilung	Tagesspiegel Background (Online) 10.05.2021	Matthias Kettemann
Interview: Digitalisierung gibt der Jugend eine Stimme	WDR (Online) 18.05.2021	Jeanette Hofmann

TITLE	MEDIUM/DATE	SUBJECT
Quote: Die Macht der Meinungen	SWR (Online) 25.05.2021	Christian Katzenbach
Interview: Aktionstag für digitale Teilhabe: „Wir brauchen Glasfaser überall!“	SWR2 (Radio) 18.06.2021	Jeanette Hofmann
Quote: Wenn Maschinen moderieren	TAZ (Print) 21.07.2021	Matthias C. Kettemann
Quote: Homeoffice in der Corona-Pandemie: Wenn die Chefin online über die Schulter schaut	Frankfurter Rundschau (Online) 25.07.2021	Sonja Köhne
Article: A Twitter user insulted a German politician. Police then raided his house	The Washington Post (Online) 09.09.2021	Jeanette Hofmann
Article: Chancen, Risiken und Nebenwirkungen	Süddeutsche Zeitung (Online) 19.09.2021	Wahlkompass Digitales 2021
Quote: Alemania: el país de los faxes que necesita modernizarse	El País (Online) 20.09.2021	Jeanette Hofmann
Interview: Künstliche Intelligenz und Frauen	D64 Zentrum für Digitalen Fortschritt (Online) 05.10.2021	Theresa Züger
Interview: Blackout bei Facebook, Instagram, WhatsApp: Wie wichtig sind soziale Medien für Sie?	BR24live – Tagesgespräch (TV) 05.10.2021	Hendrik Send
Interview: Facebook in der Kritik: Das Unternehmen ist längst “too big to fail”	Deutschlandfunk Kultur, BREITBAND (Radio) 09.10.2021	Stephan Bohn
Quote: Wie eine 60 Jahre alte Idee jetzt die Verwaltung digitalisieren soll	Handelsblatt (Online) 03.11.2021	Jörg Pohle

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. 36 – 40.

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

EVENT ACTIVITY	EVENT	RESEARCHER
International scope		
Lecture/Talk: Is the future of work online? How online labour markets change the world of work	Webinar: British Council 'Knowledge is GREAT' lecture: Is the future of work online? British Council Singapore, Online, Singapore: 29.04.2021	Fabian Stephany
Keynote: Digitalisierung und veränderte Öffentlichkeit – Gefahr und Chancen für die repräsentative Demokratie	Videokonferenz der Präsidentinnen und Präsidenten der EU-Parlamente – Thema Digitalisierung und Demokratie. Organised by Bundesrat und Bundestag, Online, Berlin, Germany: 10.05.2021	Jeanette Hofmann
Lecture/Talk: The State of the Internet in Germany	Stockholm Internet Forum 2021 (Session: Building trust and advancing human rights: through evidence-based internet policies and internet universality). Organised by Swedish International Development Cooperation Agency, Swedish International Development Cooperation Agency, Online, Stockholm, Sweden: 12.05.2021	Matthias C. Kettermann
Participating expert	Hearing: CULT-Committee on the Digital Markets Act (European Parliament). Organised by CULT-Committee on the Digital Markets Act. European Parliament, Strasbourg, France: 17.05.2021	Wolfgang Schulz
Lecture/Talk: Wie geht's dem Internet in Deutschland? Die UNESCO Internet-Universalitäts-Indikatoren zur Lage in Deutschland	Conference: re:publica 21. Online, Berlin, Germany: 20.05.2021	Matthias C. Kettermann
Panel: Gemeinwohlorientiert = Gemeinnützig? Unternehmen und gemeinwohlorientierte KI	Conference: re:publica 21. Online, Berlin, Germany: 21.05.2021	Theresa Züger
Keynote: Was ist KI? Eine Übersicht zu Technologie, Hype und Ethik	Parlamentarierdinner. Organised by Swiss Federal Parliament. Swiss Federal Parliament, Bern, Switzerland: 01.06.2021	Anna Jobin
Panel: Future of Work After Covid-19: Opportunities and Challenges of Platform Cooperativism	Workshop: PLUS Project – Platform Labour in Urban Spaces. Alma Mater Studiorum – Università di Bologna, Online, Italy: 04.06.2021	Tina Krell
Participating expert: Facebook's Approach to Content Demotions	Conference: Briefing on Facebook's Approach to Content Demotions Facebook's Approach to Content Demotions. Organised by Facebook. Online, Berlin, Germany: 28.06.2021	Wolfgang Schulz
Lecture/Talk: Privacy & Security in der öffentlichen Wahrnehmung in Deutschland	Hintergrundgespräch mit Canvas8, Ltd. Online, London, United Kingdom: 23.07.2021	Björn Scheuermann
Lecture/Talk: Democracy in a changing media landscape	The 30th Baltic Sea Parliamentary Conference. Organised by The Baltic Sea Parliamentary Conference. Online, Stockholm, Sweden: 30.08.2021	Jeanette Hofmann
Participating expert: Digitale Entwicklungszusammenarbeit 2021 – Ideen & Aufgaben für die neue Legislaturperiode	Fachgespräch. Organised by Brot für die Welt, Institut für Zukunftsstudien und Technologiebewertung & Konnektiv. Heinrich Böll Stiftung, Online, Germany: 08.09.2021	Nicolas Friederici
Panel: Young activists & human rights in a digital age	Conference: Fundamental Rights Forum. Online, Fundamental Rights Forum, Warsaw, Poland: 11.10.2021	Theresa Züger
Lecture/Talk: Inclusive Digital Economies – A quick tour of findings from three research streams	UNDP Chief Digital Office. United Nations Development Programme, Online, USA: 18.11.2021	Nicolas Friederici
Lecture/Talk: Disinformation. Risks, Regulatory Gaps and Adequate Countermeasures	Safeguarding Freedom – Balancing Rights. Organised by die medienanstalten. Online, Brussels, Belgium: 19.11.2021	Wolfgang Schulz

EVENT ACTIVITY	EVENT	RESEARCHER
National scope		
Participating expert	Workshop: Fokusgruppe "Künstliche Intelligenz in der Arbeitswelt". Organised by Federal Ministry of Labour and Social Affairs (BMAS). Online, Berlin, Germany: 15.01.2021	Georg von Richthofen
Session lead/Workshop moderation: Zwischen Autonomie und Überwachung – Kann People Analytics dem Interesse der Arbeitnehmer*innen dienen?	Conference: Machtfragen der Digitalisierung. Hans-Böckler-Stiftung, Online, Germany: 19.01.2021	Sonja Köhne
Participating expert	Workshop: Kommunikation Projekt digital bewegt. Online, Hamburg, Germany: 22.01.2021	Katharina Mosene
Keynote: Digitales urbanes Altern und Gesundheit: für gesunde Bürger*innen in resilienten Städten mit digitaler Unterstützung	Digitale Innovation im Gesundheitssektor – Netzwerkveranstaltung für Mittelstand und Startups. Organised by „Gemeinsam digital. Mittelstand 4.0. Kompetenzzentrum Berlin. Online, Berlin, Germany: 28.01.2021	Thomas Schildhauer
Discussion/Meeting	Workshop: Online-Marketing zwischen Cookies und Datenschutz Digital auf Nummer sicher! Organised by Tagesspiegel. Online, Berlin, Germany: 28.01.2021	Maximilian von Grafenstein
Lecture/Talk: People Analytics und das Versprechen objektiver Personalentscheidungen	Digitalkonferenz der IG BCE. IG BCE, Hannover, Germany: 11.03.2021	Sonja Köhne
Lecture/Talk: Jung. Digital. Engagiert	Online-Fachtagung: #freiraumnetz21 – Jugendarbeit und Jugendpolitik im digitalen Raum. Organised by Academy of the Evangelical Lutheran Church in Northern Germany. Online, Rostock, Germany: 11.03.2021	Claudia Haas
Lecture/Talk: Digitale Gewalt & HateSpeech	Vortragswoche zum internationalen Tag der Frau. Universität Regensburg, Regensburg, Germany: 12.03.2021	Katharina Mosene
Lecture/Talk: Ergebnisse des Dritten Engagementberichts	Fachbeiratssitzung der Niedersächsischen Landeszentrale für politische Bildung. Organised by State Agency for Civic Education of Saxony-Anhalt. Online, Hannover, Germany: 17.03.2021	Claudia Haas
Lecture/Talk: Schnelle und effiziente Datenübertragung in eingebetteten Systemen	Schnelle und effiziente Datenübertragung in eingebetteten Systemen. Organised by Hahn-Schickard-Gesellschaft. Online, Villingen-Schwenningen, Germany: 01.04.2021	Björn Scheuermann
Session lead/Workshop moderation: Workshop "Medienkompetenz"	Workshop: Medienkompetenz. IG Bergbau, Chemie, Energie, Hannover, Germany: 16.04.2021	Katharina Mosene
Keynote: Ergebnisse des Dritten Engagementberichts – Plattformen im Engagementssektor	Roundtable: Plattformen im Engagement – Fachveranstaltung zum Dritten Engagementbericht. Organised by Humboldt Institute for Internet and Society. Online, Berlin, Germany: 16.04.2021	Jeanette Hofmann
Lecture/Talk: Digital Urban Center for Aging and Health (DUCAH)	Impulsvortrag zum Digital Urban Center for Aging and Health (DUCAH) (Session: Digital Urban Center for Aging and Health (DUCAH)). Organised by Rotary Club Hannover-Kröpcke. Online, Hannover, Germany: 23.04.2021	Thomas Schildhauer
Lecture/Talk: Digitale & soziale Innovationen für gesunde Bürger*innen in resilienten Städten – Das Digital Urban Center for Aging & Health (DUCAH)	ECDF Industry Forum „Digital Health in the Aging Society – Sind wir bereit?“. Organised by Einstein Center Digital Future. Online, Berlin, Germany: 26.04.2021	Thomas Schildhauer

EVENT ACTIVITY	EVENT	RESEARCHER
Participating expert	Conference: Wieviel Grundrechtsverlust ist mir die Nutzung von Instagram wert? Bonner Tage der Demokratie "Digitale Demokratie und Datenschutz". Online, Bonn, Germany: 04.05.2021	Katharina Mosene
Lecture/Talk: Künstliche Intelligenz in der Personalarbeit: Risiken, Chancen, neue Machtfragen	Vom Wert der Demokratie und demokratischen Werten in Zeiten des Wandels (Session: Künstliche Intelligenz in der Personalarbeit: Risiken, Chancen, neue Machtfragen). Forum Politische Bildung – IG Metall, Frankfurt, Online, Germany: 11.05.2021	Sonja Köhne
Panel: KI und Wissensarbeit – Implikationen, Möglichkeiten und Risiken	Conference: Algorithmen, Automatisierung und Arbeit – Wie KI unsere Arbeit und unser Leben besser machen kann. Organised by BMAS. Bundesministeriums für Arbeit und Soziales, Berlin, Germany: 20.05.2021	Georg von Richthofen
Lecture/Talk: Künstliche Intelligenz – Potenziale, Grenzen und betriebliche Mitbestimmung	KI-Tag der Technologieberatungsstelle DGB NRW (TBS NRW). TBS NRW, Online, Dortmund, Germany: 20.05.2021	Sonja Köhne
Lecture/Talk: People Analytics am Arbeitsplatz: Every Break You Take, Every Click You Make	People Analytics am Arbeitsplatz: Every Break You Take, Every Click You Make. re:publica 21, Online, Berlin, Germany: 22.05.2021	Sonja Köhne
Session lead/Workshop moderation: Gesellschaftlicher Zusammenhalt durch Medienrecht	Conference: Mediensymposium 2021. Leibniz-Institut für Medienforschung Hans-Bredow Institut, Hamburg, Germany: 27.05.2021	Katharina Mosene
Lecture/Talk: Digital Urban Center for Aging & Health (DUCAH)	11. Sitzung des Fachbeirats „Digitalisierung und Bildung für ältere Menschen“. Organised by Institut für Sozialarbeit und Sozialpädagogik e. V. Online, Frankfurt am Main, Germany: 31.05.2021	Thomas Schildhauer
Session lead/Workshop moderation: Engagement frühzeitig in Bildung und Erziehung integrieren	Conference: Dialogtag: Stärkung für junges und digitales Engagement – Fachveranstaltung zum Dritten Engagementbericht. Organised by Humboldt Institute for Internet and Society. Online, Berlin, Germany: 08.06.2021	Theresa Züger, Anja Adler
Lecture/Talk: Myth: AI is disrupting knowledge work	Why AI? Humboldt Institute for Internet and Society, Online, Germany: 10.06.2021	Hendrik Send
Lecture/Talk: Digitalisierung und Demokratie – Kommunikation, Partizipation, Infrastruktur	Digitalisierung und Demokratie – Kommunikation, Partizipation, Infrastruktur. Organised by Bundesnetzwerk Bürgerschaftliches Engagement. Forum Digitalisierung und Engagement. Online, Berlin, Germany: 15.06.2021	Jeanette Hofmann
Discussion/Meeting	Conference: Digitalisierung und Verantwortung. Organised by Facebook. Facebook, Berlin, Germany: 02.07.2021	Wolfgang Schulz
Participating expert	Conference: Development in the Age of Digital Platforms: Finance and E-Commerce. Organised by Münchner Kreis, World Bank & Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ). GIZ, Online, Germany: 19.08.2021	Nicolas Friederici
Discussion/Meeting	Conference: Digital Urban Center for Aging and Health Cluster Meeting. Organised by HealthCapital Berlin Brandenburg, HealthCapital Berlin Brandenburg, Berlin, Deutschland: 01.09.2021	Stephan A. Jansen
Lecture/Talk: Digital Urban Center for Aging and Health	Barcamp Health-IT – HealthTech in der Pflege. Organised by Berlin Partner für Wirtschaft und Technologie GmbH. Online, Berlin, Deutschland: 10.09.2021	Annika Ulich
Keynote: Digitalisierungsforschung. Über das Beobachten einer Wanderdüne	Summer School 2021: Quo vadis Digitalisierungsforschung? Organised by Center for Advanced Internet Studies (CAIS). Online, Bonn, Germany: 13.09.2021	Jeanette Hofmann

EVENT ACTIVITY	EVENT	RESEARCHER
Session lead/Workshop moderation:	Workshop: KLEINERE UND MITTLERE PLATTFORMEN IM SUPERWAHLJAHR – Good Practices für gute Content Moderation und einen fairen Online Wahlkampf. Leibniz Institute for Media Research Hans-Bredow-Institut (HBI), Hamburg, Germany: 23.09.2021	Katharina Mosene
Lecture/Talk: Zwischen Automation und Augmentation: KI in der Wissensarbeit	Fachgespräch: Künstliche Intelligenz – Veränderungen von Arbeitsmärkten – Folgen und Herausforderungen für die Stadtentwicklung. Bundesinstitut für Bau-, Stadt- und Raumforschung, Berlin, Germany: 23.09.2021	Georg v. Richthofen
Participating expert	Workshop: Vision Paper on AI. Goethe Institut, Munich, Germany: 28.09.2021	Katharina Mosene
Participating expert	Workshop: Analyse von Online Stellenanzeigen. Bertelsmann Stiftung, Online, Germany: 30.09.2021	Fabian Stephany
Lecture/Talk: Wie geht's dem Internet?	62. UNESCO Vorstandsklausur (Session: Vorstellung der Studie zu den Universalitätsindikatoren). Deutsche UNESCO Kommission, Bonn, Germany: 22.10.2021	Wolfgang Schulz
Session lead/Workshop moderation: Podiumsgespräch Digitalisierung, Gesundheit und Urbanisierung	Conference: 3. Quartalstreffen des Digital Urban Centers for Aging and Health. Organised by Digital Urban Center for Aging and Health. Change Hub der Evangelischen Bank, Berlin, Deutschland: 25.10.2021	Thomas Schildhauer, Stephan A. Jansen
Keynote: Demokratie und Digitalisierung	Wissenschaftskongress 2021 "Digitalisierung und Politik". Organised by Think Tank Thurgau, DenkRaumBodensee. Online, Amriswil, Switzerland: 27.10.2021	Jeanette Hofmann
Lecture/Talk:	Digitale Gewalt, Gleichstellung, für netzforma* e.V., Osterode am Harz, Germany: 01.11.2021	Katharina Mosene
Lecture/Talk: Erfolgreiche Einwilligungsagenten und die User Experience	DatenTag: Das TTDSG und neue Wege zur Einwilligungsverwaltung. Organised by Stiftung Datenschutz. Historische Kassenhalle im Humboldt Carré, Berlin, Germany: 03.11.2021	Max von Grafenstein
Panel: Airbnb, Uber, Lieferando: Die Zukunft der Wirtschaft?	Conference: Berlin Science Week 1–10 Nov. Organised by Einstein Center Digital Future, Humboldt Institute for Internet and Society. Weizenbaum-Institut, Berlin, Germany: 03.11.2021	Tina Krell
Keynote: Warum wir die Megatrends Demografie und Digitalisierung zusammen denken müssen	Symposium: Körper Demografie 2021. Körber-Stiftung, Hamburg, Germany: 04.11.2021	Thomas Schildhauer
Session lead/Workshop moderation: Digitaler Kapitalismus #DigiCap der Friedrich-Ebert-Stiftung	Conference: Online-Kongress. Forum "Künstliche Intelligenz im Personalmanagement – mit Mitbestimmung gegen das Machtungleichgewicht", Bremen, Germany: 18.11.2021	Sonja Köhne
Lecture/Talk: Datenschutz: Rechtsstaatsmodell oder neoliberale Responsibilisierung? Warum Datentreuhänder kein Mittel zum Schutz der Grundrechte sind	Zu treuen Händen? Verbraucherdatenschutz und digitale Selbstbestimmung. Online-Vortragsreihe der Verbraucherzentrale NRW e.V. Organised by Verbraucherzentrale NRW e. V. Online, Düsseldorf, Germany: 18.11.2021	Jörg Pohle
Session lead/Workshop moderation: Web Scraping	Workshop: Web Scraping. Bertelsmann Stiftung, Gütersloh, Germany: 22.11.2021	Fabian Stephany
Session lead/Workshop moderation:	Conference: WARUM KI UND DIVERSITÄT ZUSAMMENGEHÖREN. KI Konvention 2021, Germany: 26.11.2021	Katharina Mosene
Session lead/Workshop moderation:	Workshop: Digital Literacy. Digitale Camp 2021 des Haus des Stiftens, Germany: 30.11.2021	Katharina Mosene
Panel: Wie vermitteln wir Wissen über KI an die Bevölkerung?	Conference: Auftaktveranstaltung: Zentrum für vertrauenswürdige Künstliche Intelligenz. iRights.Lab, Berlin, Germany: 07.12.2021	Theresa Züger

EVENT ACTIVITY	EVENT	RESEARCHER
Session lead/Workshop moderation:	Workshop: „Politische Bildung rund um die Uhr – Blended Learning und Selbstlernkurse als flexible Zukunftsformate“. Organised by Friedrich Ebert Foundation. Friedrich Ebert Foundation, Bonn, Germany: 09.12.2021	Katharina Mosene
Lecture/Talk: Autonomy is in the eye of the beholder?	Berlin Research 50 Workshop on Artificial Intelligence in Research. Organised by BR50. Online, Berlin, Germany: 13.12.2021	Jeanette Hofmann
Session lead/Workshop moderation:	Workshop: Digitale Aufbauschulung bei der Gesellschaft für Sicherheitspolitik e.V. „Grundwissen Datenschutz im Netz“. Gesellschaft für Sicherheitspolitik e.V, 15.12.2021	Katharina Mosene
Panel: Experimentierräume und Reallabore	Workshop: Festival: The unkOwn unkOwns. innOsc Forum für offene Innovationskultur, Berlin, Germany: 16.12.2021	Thomas Schildhauer

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 gGmbH/ Google	–	01.01.2020–31.12.2022	1 500 000 €
Support on the project: Digital Urban Center for Aging & Health (DUCAH) founders forum	Amplia, Bank für Sozialwirtschaft, Berliner Volksbank, BezirksApotheke, Condat AG, Diakonie Sachsen, DRK-Kliniken, EJF, equo Health, Evangelische Bank, Gewobag, Hilfswerksiedlung, Honda Research Institute, Medondo AG, Pradke, Rox, Stephanus Stiftung, Stiftung Neuerkerode, Stiftung Lobetal, Vivantes	Stephan A. Jansen, Annika Ulich, Thomas Schildhauer	01.04.2021–31.03.2022	375 000 €
Support on the project: Internet Policy Review	CNRS, University of Amsterdam, University of Tartu	Frédéric Dubois	01.01.2021–31.12.2021	17 000 €
Support on the project: Global Digital Knowledge Community	Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ)	Georg von Richthofen, Ali Aslan Gümüşay, Stephan Bohn, Marie Blüml, Matthias C. Kettemann, Nicolas Friederici, Christian Grauvogel, Moritz Timm, Wolfgang Schulz	01.11.2021–30.04.2023	93 033 €
Support on the project: Prozessentwicklung und -begleitung zum KI-Einsatz in der Pflege – ProKIP	Federal Ministry of Education and Research (BMBF)	Björn Scheuermann, Maximilian von Grafenstein, Jörg Pohle, Thomas Schildhauer	01.12.2021–30.04.2025	7 124 €
Support on the project: Folgeveranstaltungen Dritter Engagementbericht	Federal Ministry for Family Affairs, Senior Citizens, Women and Youth (BMFSFJ)	Claudia Haas, Jeanette Hofmann	01.10.2020–30.09.2021	115 000 €
Support on the project: ScholardLed+	Deutsche Forschungsgemeinschaft (DFG)	Marcel Wrzesinski, Christian Katzenbach, Frédéric Dubois, Jeanette Hofmann	01.03.2021–29.02.2024	83 333 €
Support on the project: Ethics of digitalisation	Stiftung Mercator	Nadine Birner, Katharina Mosene, Matthias C. Kettemann, Alexander Pirang, Wolfgang Schulz	01.07.2020–30.06.2022	475 000 €
Support on the project: Public Interest AI	Federal Ministry of Education and Research (BMBF)	Theresa Züger, Wolfgang Schulz	01.10.2020–30.09.2024	457 025 €
Support on the project: Organisationale Adaptivität im deutschen Hochschulkontext	FernUniversität Hagen	Melissa Laufer, (in Elternzeit), Benedikt Fecher, Wolfgang Schulz	01.04.2020–31.03.2023	160 299 €
Support on the project: Imaginaries of Artificial Intelligence	Deutsche Forschungsgemeinschaft (DFG)	Christian Katzenbach	01.10.2021–30.09.2024	24 999 €
Support on the project: OPEN NEXT	H2020	Stephan Bohn, Hendrik Send	01.09.2019–31.08.2022	113 333 €

BRIEF DESCRIPTION	FUNDER	DIRECTOR/RESEARCHER	CONTRACT TIME FRAME	FUNDING 2020
Support on the project: reCreating Europe	H2020	João Carlos Magalhães, Christian Katzenbach	01.01.2020–31.12.2022	103 000 €
Support on the project: Strategien und Governance für Europas Plattform-Ökonomie	Hans Böckler Stiftung	Nicolas Friederici	01.01.2020–31.12.2021	204 605 €
Support on the project: KI und Wissenschaft (KIWI)	Federal Ministry of Labour and Social Affairs (BMAS)	Georg von Richthofen, Shirley Ogolla (in Elternzeit), Thomas Schildhauer, Hendrik Send	01.05.2019–30.04.2022	156 406 €
Support on the project: Action for computational thinking in social sciences (ACTISS)	Erasmus+	Natalia Sokolovska, Benedikt Fecher	01.12.2018–31.08.2021	3 000 €
Support on the project: IMPaQt – Qualitätsentwicklung in der Wissenschaft	Federal Ministry of Education and Research (BMBF)	Natalia Sokolovska, Benedikt Fecher	01.06.2019–31.05.2022	137 182 €
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 on the project: Kompetenzzentrum 4.0 (incl. AI Trainer)	Federal Ministry for Economic Affairs and Energy (BMWi)	Annika Ulich, Philip Meier, Thomas Schildhauer	01.05.2016–30.04.2021	175 984 €
Support on the project: InnOAcceSS	Deutsche Forschungsgemeinschaft (DFG)	Frédéric Dubois, Christian Katzenbach, Jeanette Hofmann	01.06.2019–28.02.2021	9 820 €
				4 293 913 €

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

Amplia, Bank für Sozialwirtschaft, Berkman Klein Center for Internet & Society, Berlin Science Week, Berlin University of the Arts (UdK), Berliner Institut für Gesundheitsforschung (BIG), Berliner Volksbank, BezirksApotheke, Centre national de la recherche scientifique (CNRS), Charité Berlin, Commerzbank-Stiftung, Condat AG, CREATE, Diakonie Sachsen, Deutsche Forschungsgemeinschaft (DFG), DRK-Kliniken, Einstein Center Digital Future (ECDF), EJJ, equio Health, European Union (Erasmus+ and H2020), Evangelische Bank, 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 Labour and Social Affairs (BMAS), FernUniversität in Hagen, 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), Gesellschaft für Internationale Zusammenarbeit (GIZ), Gewobag, Google, Hans Böckler Foundation, Leibniz-Institut für Medienforschung | Hans-Bredow-Institut (HBI), Hasso-Plattner-Institut (HPI), Hilfswerksiedlung, Humboldt-Universität zu Berlin (HU), Honda Research Institute, Kooperative Berlin Kulturproduktion, Leibniz Association, Leibniz Research Alliance Science 2.0, Medondo AG, Pradke GmbH, Rox Health, Social Science Research Center Berlin (WZB), Stephanus Stiftung, Stifterverband, Stiftung Mercator, Stiftung Neuerkerode, Stiftung Lobetal, Technische Hochschule Brandenburg, TU Berlin, Universitat Oberta de Catalunya (UOC), University of Amsterdam, University of Glasgow, University of Tartu, University of Warsaw, Vivantes

