

Read Open Source Openness And Higher Education

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[Multi-Disciplinary Advancement in Open Source Software and Processes](#) Mar 24 2022 "This book reviews the development, design, and use of free and open source software, providing relevant topics of discussion for programmers, as well as researchers in human-computer studies, online and virtual collaboration, and e-learning"--Provided by publisher.

[Online Communities and Open Innovation](#) Aug 17 2021 The advent of Internet marked a significant change in how users and customers can be involved in the innovative process. History is rife with examples of how users innovate, but Internet and its associated communication technologies brought radically new means for individuals to interact rapidly and at little cost in communities that spur new innovations. These

communities are initiated and governed by people that differ in their motivations for taking part and participate to varying degrees. Such communities are outside the immediate control of companies seeking to develop open innovation strategies aimed at harnessing their work. This book brings together distinguished scholars from different disciplines: economics, organization theory, innovation studies and marketing in order to provide

an improved understanding of how technological as well as symbolic value is created and appropriated at the intersection between online communities and firms. Empirical examples are presented from different industries, including software, services and manufacturing. The book offers food for thought for academics and managers to an important phenomenon that challenges many conventional wisdoms for how business can be done. This book was published as a special issue of *Industry and Innovation*.

Digitized institutions Apr 12 2021 A key sociological insight is that institutions, whether education, the economy, politics or the media, shape the contours of individual life and drive inequality. In this Byte, the contributions take up the way that digitally mediated social processes are transforming institutions. The writing here examines the interconnectedness of institutions and considers digitization across schooling, work, and media, with an eye toward how inequality works. Together, these selections yield important insights into critical features of the institutions that mediate our digitized society, arguing that digital sociology's greatest challenge is measuring inequalities that are produced by society's datalogical turn.

[Cultures and Politics of Global Communication: Volume 34, Review of International Studies](#) Sep 17 2021 This special issue focuses on how International Relations communicates with

the world.

The Open Organization May 26 2022 This is a story of reinvention. Jim Whitehurst, celebrated president and CEO of one of the world's most revolutionary software companies, tells first-hand his journey from traditional manager (Delta Air Lines, Boston Consulting Group) and "chief" problem solver to CEO of one of the most open organizational environments he'd ever encountered. This challenging transition, and what Whitehurst learned in the interim, has paved the way for a new way of managing—one this modern leader sees as the only way companies will successfully function in the future. Whitehurst says beyond embracing the technology that has so far disrupted entire industries, companies must now adapt their management and organizational design to better fit the Information Age. His mantra? "Adapt or die." Indeed, the successful company Whitehurst leads—the open source giant Red Hat—has become the organizational poster child for how to reboot, redesign, and reinvent an organization for a decentralized, digital age. Based on open source principles of transparency, participation, and collaboration, "open management" challenges conventional business ideas about what companies are, how they run, and how they make money. This book provides the blueprint for putting it into practice in your own firm. He covers challenges that have been missing from the

conversation to date, among them: how to scale engagement; how to have healthy debates that net progress; and how to attract and keep the "Social Generation" of workers. Through a mix of vibrant stories, candid lessons, and tested processes, Whitehurst shows how Red Hat has blown the traditional operating model to pieces by emerging out of a pure bottom up culture and learning how to execute it at scale. And he explains what other companies are, and need to be doing to bring this open style into all facets of the organization. By showing how to apply open source methods to everything from structure, management, and strategy to a firm's customer and partner relationships, leaders and teams will now have the tools needed to reach a new level of work. And with that new level of work comes unparalleled success. The Open Organization is your new resource for doing business differently. Get ready to make traditional management thinking obsolete.

[Corporate Capitalism's Use of Openness](#) Aug 29 2022 "Matching the rigour of the analysis with an extraordinary pedagogical capacity, the authors unveil all the arcana of the 'openness' capitalism model and digital labour. Essential for scholars and students across the social and economic sciences." (Carlo Vercellone, Université de Paris 8, France) "This vital book is an objective and detailed assessment of the private capture of common value,

concluding with an in-depth survey of what commons-friendly public authorities could do to defend the new 'common-wealth'." (Michel Bauwens, Founder of the P2P Foundation, The Netherlands) "An outstanding analysis of how digital capital uses openness as principle of capital accumulation and exploitation. A must-read for everyone who wants to understand what the internet and digital media are all about." (Christian Fuchs, University of Westminster, UK) This book tackles the concept of openness (as in open source software, open access and free culture), from a critical political economy perspective to consider its encroachment by capitalist corporations, but also how it advances radical alternatives to cognitive capitalism. Drawing on four case studies, Corporate Capitalism's Use of Openness will add to discussion on open source software, open access content platforms, open access publishing, and open university courses. These otherwise disparate cases share two fundamental features: informational capitalist corporations base their successful business models on unpaid productive activities, play, attention, knowledge and labour, and do so crucially by resorting to ideological uses of concepts such as "openness", "communities" and "sharing". The authors present potential solutions and alternative regulations to counter these exploitative and alienating business models, and to foster digital knowledge commons, ranging from co-ops and

commons-based peer production to state agencies' platforms. Their research and findings will appeal to students, academics and activists around the world in fields such as sociology, economy, media and communication, library and information science, political sciences and technology studies.

Open Source Agriculture

Dec 09 2020 This Palgrave Pivot employs the concept of open source agriculture as a new social movement, which not only advocates a specific agenda but also creates technological products under a unique technology development model. The book brings together social movement and technology theory to examine it through two in-depth case studies of open source agricultural communities. This allows for the tracing of values and interests coded within the technological artefacts the communities produce, as well as their development processes. Critical theory of technology is further applied to examine the broader political economy of the development model.

Joining Decisions in Open Collaborative Innovation Communities

Dec 21 2021 Daniel Ehls analyzes the impact of contextual factors on attracting volunteers into open initiatives. He answers challenging questions like why do users join one community over another and what are attractive conditions for user and open innovation With a discrete choice experiment, Daniel Ehls identifies openness

trade-offs and joining preferences contingent on access, usage and sponsorship. Also, he reveals causes of taste heterogeneity and shows how context and personality determine joining decisions. Management insights target organizational behavior, e.g. how the governance structure affects user actions, and competitive strategy, e.g. how to source external distributed knowledge.

Product Lifecycle

Management and the

Industry of the Future Jun 22

2019 This book constitutes the refereed post-conference proceedings of the 14th IFIP WG 5.1 International Conference on Product Lifecycle Management, PLM 2017, held in Seville, Spain, in July 2017. The 64 revised full papers presented were carefully reviewed and selected from 78 submissions. The papers are organized in the following topical sections: PLM maturity, implementation and adoption; PLM for digital factories; PLM and process simulation; PLM, CAX and knowledge management; PLM and education; BIM; cyber-physical systems; modular design and products; new product development; ontologies, knowledge and data models; and Product, Service, Systems (PSS).

Open Source Development,

Adoption and Innovation Jun 26

2022 Open source software has emerged as a major field of scientific inquiry across a number of disciplines. When the concept of open source began to gain mindshare in the global business community,

decision makers faced a challenge: to convert hype and potential into sustainable profit and viable business models. This volume addresses this challenge through presenting some of the newest, extensively peer-reviewed research in the area.

Oct 07 2020

Proud to be Flesh Mar 12 2021

Dedicated to an analysis of culture and politics after the net, Mute magazine has, since its inception in 1994, consistently challenged the grandiose claims of the digital revolution. This anthology offers an expansive collection of some of Mute's finest articles and is thematically organised around key contemporary issues: Direct Democracy and its Demons; Net Art to Conceptual Art and Back; I, Cyborg - Reinventing the Human; of Commoners and Criminals; Organising Horizontally; Art and/against Business; Under the Net - City and Camp; Class and Immaterial Labour; The Open Work. The result is both an impressive overview and an invaluable sourcebook of contemporary culture in its widest sense

Governing Knowledge

Commons Aug 05 2020

"Knowledge commons" describes the institutionalized community governance of the sharing and, in some cases, creation, of information, science, knowledge, data, and other types of intellectual and cultural resources. It is the subject of enormous recent interest and enthusiasm with respect to policymaking about innovation, creative

production, and intellectual property. Taking that enthusiasm as its starting point, Governing Knowledge Commons argues that policymaking should be based on evidence and a deeper understanding of what makes commons institutions work. It offers a systematic way to study knowledge commons, borrowing and building on Elinor Ostrom's Nobel Prize-winning research on natural resource commons. It proposes a framework for studying knowledge commons that is adapted to the unique attributes of knowledge and information, describing the framework in detail and explaining how to put it into context both with respect to commons research and with respect to innovation and information policy. Eleven detailed case studies apply and discuss the framework exploring knowledge commons across a wide variety of scientific and cultural domains.

Open Development

May 14 2021 Experts explore current theory and practice in the application of digitally enabled open networked social models to international development. The emergence of open networked models made possible by digital technology has the potential to transform international development. Open network structures allow people to come together to share information, organize, and collaborate. Open development harnesses this power, to create new organizational forms and improve people's lives; it is not only an agenda for research

and practice but also a statement about how to approach international development. In this volume, experts explore a variety of applications of openness, addressing challenges as well as opportunities. Open development requires new theoretical tools that focus on real world problems, consider a variety of solutions, and recognize the complexity of local contexts. After exploring the new theoretical terrain, the book describes a range of cases in which open models address such specific development issues as biotechnology research, improving education, and access to scholarly publications. Contributors then examine tensions between open models and existing structures, including struggles over privacy, intellectual property, and implementation. Finally, contributors offer broader conceptual perspectives, considering processes of social construction, knowledge management, and the role of individual intent in the development and outcomes of social models.

Contributors Carla Bonina, Ineke Buskens, Leslie Chan, Abdallah Daar, Jeremy de Beer, Mark Graham, Eve Gray, Anita Gurumurthy, Havard Haarstad, Blane Harvey, Myra Khan, Melissa Loudon, Aaron K. Martin, Hassan Masum, Chidi Oguamanam, Katherine M. A. Reilly, Ulrike Rivett, Karl Schroeder, Parminder Jeet Singh, Matthew L. Smith, Marshall S. Smith Copublished with the International Development Research Centre

of Canada (IDRC)
Making Open Development Inclusive Oct 19 2021 Drawing on ten years of empirical work and research, analyses of how open development has played out in practice. A decade ago, a significant trend toward openness emerged in international development. "Open development" can describe initiatives as disparate as open government, open health data, open science, open education, and open innovation. The theory was that open systems related to data, science, and innovation would enable more inclusive processes of human development. This volume, drawing on ten years of empirical work and research, analyzes how open development has played out in practice.

Open Source for Knowledge and Learning Management: Strategies Beyond Tools Jan 22 2022 "This book presents learning and knowledge management from a point of view where the basic tools and applications are provided by open source technologies. It explains an intense orientation to the critical issues of the open source paradigm: open source tools, applications, social networks, and knowledge sharing in open source communities"--Provided by publisher.

Virtues of Openness Apr 24 2022 The movement toward greater openness represents a change of philosophy, ethos, and government and a set of interrelated and complex changes that transform markets altering the modes of

production and consumption, ushering in a new era based on the values of openness: an ethic of sharing and peer-to-peer collaboration enabled through new architectures of participation. These changes indicate a broader shift from the underlying industrial mode of production—a "productionist" metaphysics—to a postindustrial mode of consumption as use, reuse, and modification where new logics of social media structure different patterns of cultural consumption and symbolic analysis becomes a habitual and daily creative activity. The economics of openness constructs a new language of "presuming" and "produsage" in order to capture the open participation, collective co-creativity, communal evaluation, and commons-based production of social and public goods. Information is the vital element in the "new" politics and economy that links space, knowledge, and capital in networked practices and freedom is the essential ingredient in this equation if these network practices are to develop or transform themselves into 'knowledge cultures'. The Virtues of Openness investigates the social processes and policies that foster openness as an overriding educational value evidenced in the growth of open source, open access, and open education and their convergences that characterize global knowledge communities. The book argues that openness seems also to suggest political transparency and the norms of

open inquiry, indeed, even democracy itself as both the basis of the logic of inquiry and the dissemination of its results. The Virtues of Openness examines the complex history of the concept of the open society before beginning a systematic investigation of openness in relation to the book, the "open text" and the written word. These changes are discussed in relation to the development of new open spaces of scholarship with their impact upon open journal systems, open peer review, open science, and the open global digital economy.

Innovation Through Information Systems Jan 28 2020 This book presents the current state of research in information systems and digital transformation. Due to the global trend of digitalization and the impact of the Covid 19 pandemic, the need for innovative, high-quality research on information systems is higher than ever. In this context, the book covers a wide range of topics, such as digital innovation, business analytics, artificial intelligence, and IT strategy, which affect companies, individuals, and societies. This volume gathers the revised and peer-reviewed papers on the topic "Management" presented at the International Conference on Information Systems, held at the University of Duisburg-Essen in 2021

Wikipedia and the Politics of Openness Sep 29 2022 Few virtues are as celebrated in contemporary culture as openness. Rooted in software culture and carrying more than

a whiff of Silicon Valley technical utopianism, openness—of decision-making, data, and organizational structure—is seen as the cure for many problems in politics and business. But what does openness mean, and what would a political theory of openness look like? With *Wikipedia and the Politics of Openness*, Nathaniel Tkacz uses Wikipedia, the most prominent product of open organization, to analyze the theory and politics of openness in practice—and to break its spell. Through discussions of edit wars, article deletion policies, user access levels, and more, Tkacz enables us to see how the key concepts of openness—including collaboration, ad-hocracy, and the splitting of contested projects through “forking”—play out in reality. The resulting book is the richest critical analysis of openness to date, one that roots media theory in messy reality and thereby helps us move beyond the vaporware promises of digital utopians and take the first steps toward truly understanding what openness does, and does not, have to offer.

Opening digital fabrication: transforming

TechKnowledgies Feb 20 2022

The New Production of Users Jul 24 2019 Behind the steady stream of new products, technologies, systems and services in our modern societies there is prolonged and complicated battle around the role of users. How should designers get to know the

users' interests and needs? Who should speak for the users? How may designers collaborate with users and in what ways may users take innovation into their own hands? *The New Production of Users* offers a rare overview of these issues. It traces the history of designer-user relations from the era of mass production to the present days. Its focus lies in elaborating the currently emerging strategies and approaches to user involvement in business and citizen contexts. It analyses the challenges in the practical collaborations between designers and users, and it investigates a number of cases, where groups of users collectively took charge of innovation. In addition to a number of new case studies, the book provides a thorough account of theories of user involvement as well as and offers further developments to these theories. As a part of this, the book relates to the wide spectrum of fields currently associated with user involvement, such as user-centered design, participatory design, user innovation, open source software, cocreation and peer production. Exploring the nexus between users and designers, between efforts to democratize innovation and to mobilize users for commercial purposes, this multi-disciplinary book will be of great interest to academics, policy makers and practitioners in fields such as Innovation Studies, Innovation Policy, Science and Technology Studies, Cultural Studies, Consumption studies,

Marketing, e-commerce, Media Studies as well as Design research.

Reformatting Politics: Information Technology and Global Civil Society Feb 08 2021 This book examines the ways in which new information and communication technologies (ICTs) are being used by civil society organizations (CSOs) to achieve their aims through activities and networks that cross national borders. These new ICTs (the internet, mobile phones, satellite radio and television) have allowed these civil society organizations to form extensive networks linking the local and the global in new ways and to flourish internationally in ways that were not possible without them. *Reformatting Politics* consists of four sections containing essays by some of the top scholars and activists working at the intersections of networked societies, civil society organizations, and information technology. The book also includes a section that takes a critical look at the UN World Summit of Information Society and the role that global governance has played and will play in the use and dissemination of these new technologies. Finally, the contributors aim to influence this important and emerging field of inquiry by posing a set of questions and directions for future research. In sum, *Reformatting Politics* is a fresh look at the way critical network practice through the use of information technology is reformatting the terms and terrains of global politics.

The Handbook of Peer Production Nov 19 2021 The definitive reference work with comprehensive analysis and review of peer production Peer production is no longer the sole domain of small groups of technical or academic elites. The internet has enabled millions of people to collectively produce, revise, and distribute everything from computer operating systems and applications to encyclopedia articles and film and television databases. Today, peer production has branched out to include wireless networks, online currencies, biohacking, and peer-to-peer urbanism, amongst others. The Handbook of Peer Production outlines central concepts, examines current and emerging areas of application, and analyzes the forms and principles of cooperation that continue to impact multiple areas of production and sociality. Featuring contributions from an international team of experts in the field, this landmark work maps the origins and manifestations of peer production, discusses the factors and conditions that are enabling, advancing, and co-opting peer production, and considers its current impact and potential consequences for the social order. Detailed chapters address the governance, political economy, and cultures of peer production, user motivations, social rules and norms, the role of peer production in social change and activism, and much more. Filling a gap in available literature as the only extensive

overview of peer production's modes of generating informational goods and services, this groundbreaking volume: Offers accessible, up-to-date information to both specialists and non-specialists across academia, industry, journalism, and public advocacy Includes interviews with leading practitioners discussing the future of peer production Discusses the history, traditions, key debates, and pioneers of peer production Explores technologies for peer production, openness and licensing, peer learning, open design and manufacturing, and free and open-source software The Handbook of Peer Production is an indispensable resource for students, instructors, researchers, and professionals working in fields including communication studies, science and technology studies, sociology, and management studies, as well as those interested in the network information economy, the public domain, and new forms of organization and networking.

The Engaged University Sep 05 2020 The Engaged University is a comprehensive empirical account of the global civic engagement movement in higher education. In universities around the world, something extraordinary is underway. Mobilizing their human and intellectual resources, institutions of higher education are directly tackling community problems - combating poverty, improving public health, and restoring environmental quality. This

book documents and analyzes this exciting trend through studies of civic engagement and social responsibility at twenty institutions worldwide. This timely volume offers three special contributions to the literature on higher education policy and practice: a historical overview of the founding purposes of universities, which almost invariably included a context-specific element of social purpose, together with a survey of how these "founding" intentions have fared in different systems of higher education; a contemporary account of the policy and practice of universities - all over the world - seeking to re-engage with this social purpose; and an overview of generic issues which emerge for the "engaged university." [Open Source Product Development](#) Oct 31 2022 Kerstin Balka focuses on the open source development of tangible objects, so-called open design. To explore the landscape and mechanisms of open design, she presents a comprehensive study of 104 projects and an in-depth case study of six projects.

Handbook of Innovation & Appropriate Technologies for International Development Aug 24 2019 This timely Handbook provides a conceptual discussion and an empirical review of new disruptive forms of innovation producing appropriate technologies, which address both the needs of low-income populations worldwide, and provides alternative solutions for sustainable development. **Software Ecosystems** Dec 29

2019 This book describes the state-of-the-art of software ecosystems. It constitutes a fundamental step towards an empirically based, nuanced understanding of the implications for management, governance, and control of software ecosystems. This is the first book of its kind dedicated to this emerging field and offers guidelines on how to analyze software ecosystems; methods for managing and growing; methods on transitioning from a closed software organization to an open one; and instruments for dealing with open source, licensing issues, product management and app stores. It is unique in bringing together industry experiences, academic views and tackling challenges such as the definition of fundamental concepts of software ecosystems, describing those forces that influence its development and lifecycles, and the provision of methods for the governance of software ecosystems. This book is an essential starting point for software industry researchers, product managers, and entrepreneurs.

Infotopia Feb 29 2020 The rise of the "information society" offers not only considerable peril but also great promise. Beset from all sides by a never-ending barrage of media, how can we ensure that the most accurate information emerges and is heeded? In this book, Cass R. Sunstein develops a deeply optimistic understanding of the human potential to pool information, and to use that knowledge to improve our lives. In an age of

information overload, it is easy to fall back on our own prejudices and insulate ourselves with comforting opinions that reaffirm our core beliefs. Crowds quickly become mobs. The justification for the Iraq war, the collapse of Enron, the explosion of the space shuttle Columbia--all of these resulted from decisions made by leaders and groups trapped in "information cocoons," shielded from information at odds with their preconceptions. How can leaders and ordinary people challenge insular decision making and gain access to the sum of human knowledge? Stunning new ways to share and aggregate information, many Internet-based, are helping companies, schools, governments, and individuals not only to acquire, but also to create, ever-growing bodies of accurate knowledge. Through a ceaseless flurry of self-correcting exchanges, wikis, covering everything from politics and business plans to sports and science fiction subcultures, amass--and refine--information. Open-source software enables large numbers of people to participate in technological development. Prediction markets aggregate information in a way that allows companies, ranging from computer manufacturers to Hollywood studios, to make better decisions about product launches and office openings. Sunstein shows how people can assimilate aggregated information without succumbing to the dangers of the herd mentality--and when

and why the new aggregation techniques are so astoundingly accurate. In a world where opinion and anecdote increasingly compete on equal footing with hard evidence, the on-line effort of many minds coming together might well provide the best path to infotopia.

Words and Worlds Jan 10 2021 Born in a time of anxiety, Words and Worlds examines some of the disquieting challenges that societies now face. Through an inquiry into a political lexicon of commonsense words, ranging from democracy and revolution to knowledge and authority, from inequality and toleration to war and power, the authors of this book trouble the self-evidence of these terms, bringing into view the hidden transcripts and unexpected trajectories of many settled ideas, such as the human sense of belonging or the call for openness and transparency in research and public life. The case studies conducted over five continents with the tools of eight different disciplines challenge the ethnocentric assumptions, false moralism, and cultural prejudices that underlie much discussion on corruption, or even the virtue invested in resilience. The critique of the ubiquitous use of crisis to characterize our times shows how this framing obscures the unjust conditions of existence and violence of everyday life. Together the essays in this book offer a fresh look at the deeply connected worlds we inhabit in solidarity and discord. Contributors. Banu Bargu, Veena Das, Alex

de Waal, Didier Fassin, Peter Geschiere, Behrooz Ghamari-Tabrizi, Caroline Humphrey, Ravi Kanbur, Julieta Lemaitre, Uday S. Mehta, Jan-Werner Müller, Jonathan Pugh, Elizabeth F. Sanders, Todd Sanders
Platform Openness as a Strategic Parameter. Google Chrome vs. Apple Safari Sep 25 2019 Scientific Essay from the year 2021 in the subject Business economics - General, grade: 1,3, Hamburg School of Business Administration gGmbH, language: English, abstract: The following report is dedicated to platform openness as a strategic parameter using the example of Google Chrome and Apple Safari. Even in the early days of the Internet and the use of browsers to access the Internet, there was a competition in the market. This competition between the browsers of Netscape (Netscape Navigator) and Microsoft (Internet Explorer) became known under the synonym "first browser war". In December 1994, the market share of Netscape Navigator 1.0 was about 80%, while the share of Internet Explorer was 3%. In November 1997, Microsoft's share was already 39%, while Netscape's share dropped to 53%. Microsoft emerged from the war as the clear winner. For Shapiro and Varian (1999), the victory was due on the one hand to the financial advantage that Microsoft had over Netscape, and on the other hand to the Microsoft operating system, through which Internet Explorer reached many

potential customers. As a result of the browser war, Netscape made the source code for all its products publicly available in 1998. This was not only the birth of today's browser "Firefox", but also the birth of today's well-known open source projects in the browser market. The first browser war shows that in the early days of browsers, factors such as "open source" or "extensions" and the associated platform openness played only a minor role in the market environment.

Individualism and Collectiveness in Intellectual Property Law

Jun 14 2021 This title embraces fundamental, eternal and yet very contemporary elements in IP law dealt with in all parts of the world.

Routledge Handbook of Internet Politics

May 02 2020 The politics of the internet has entered the social science mainstream. From debates about its impact on parties and election campaigns following momentous presidential contests in the United States, to concerns over international security, privacy and surveillance in the post-9/11, post-7/7 environment; from the rise of blogging as a threat to the traditional model of journalism, to controversies at the international level over how and if the internet should be governed by an entity such as the United Nations; from the new repertoires of collective action open to citizens, to the massive programs of public management reform taking place in the name of e-government, internet politics and policy are continually in

the headlines. The Routledge Handbook of Internet Politics is a collection of over thirty chapters dealing with the most significant scholarly debates in this rapidly growing field of study. Organized in four broad sections: Institutions, Behavior, Identities, and Law and Policy, the Handbook summarizes and criticizes contemporary debates while pointing out new departures. A comprehensive set of resources, it provides linkages to established theories of media and politics, political communication, governance, deliberative democracy and social movements, all within an interdisciplinary context. The contributors form a strong international cast of established and junior scholars. This is the first publication of its kind in this field; a helpful companion to students and scholars of politics, international relations, communication studies and sociology.

Leeway to Operate With Plant Genetic Resources

Oct 26 2019 This eBook is a collection of articles from a Frontiers Research Topic. Frontiers Research Topics are very popular trademarks of the Frontiers Journals Series: they are collections of at least ten articles, all centered on a particular subject. With their unique mix of varied contributions from Original Research to Review Articles, Frontiers Research Topics unify the most influential researchers, the latest key findings and historical advances in a hot research area! Find out more on how to host your own Frontiers

Research Topic or contribute to one as an author by contacting the Frontiers Editorial Office: frontiersin.org/about/contact. *Compromised Data* Jul 16 2021 There has been a data rush in the past decade brought about by online communication and, in particular, social media (Facebook, Twitter, Youtube, among others), which promises a new age of digital enlightenment. But social data is compromised: it is being seized by specific economic interests, it leads to a fundamental shift in the relationship between research and the public good, and it fosters new forms of control and surveillance. *Compromised Data: From Social Media to Big Data* explores how we perform critical research within a compromised social data framework. The expert, international lineup of contributors explores the limits and challenges of social data research in order to invent and develop new modes of doing public research. At its core, this collection argues that we are witnessing a fundamental reshaping of the social through social data mining. [Artificial Intelligence Supported Educational Technologies](#) Jul 04 2020 This book includes a collection of expanded papers from the 2019 Sino-German Symposium on AI-supported educational technologies, which was held in Wuhan, China, March, 2019. The contributors are distinguished researchers from computer science and learning science. The contributions are organized in four sections: (1) Overviews and systematic

perspectives, (2) Example Systems, (3) Algorithms, and (4) Insights gained from empirical studies. For example, different data mining and machine learning methods to quantify different profiles of a learner in different learning situations (including interaction patterns, cognitive interaction patterns, cognitive modes, knowledge skills, interests and emotions etc.) as well as connections to measurements in psychology and learning sciences are discussed in the chapters. *Entrepreneurship, Innovation, and Platforms* Nov 07 2020 Despite recent advances in our understanding of how innovation and entrepreneurship impact the creation and appropriation of value, numerous questions remain unanswered. This volume draws together scholars working at the forefront of entrepreneurship-, strategy-, and innovation-related domains to explore these questions. **Library of Congress Subject Headings** Nov 27 2019 **A Business Ecology Perspective on Community-Driven Open Source** Jul 28 2022 This thesis approaches the phenomenon of open source software (OSS) from a managerial and organisational point of view. In a slightly narrower sense, this thesis studies commercialisation aspects around community-driven open source. The term 'community-driven' signifies open source projects that are managed, steered, and controlled by communities of volunteers, as opposed to those that are managed, steered, and

controlled by single corporate sponsors. By adopting a business ecology perspective, this thesis places emphasis on the larger context within which the commercialisation of OSS is embedded (e.g., global and collaborative production regimes, ideological foundations, market characteristics, and diffuse boundary conditions). Because many business benefits arise as a consequence of the activities taking place in the communities and ecosystems around open source projects, a business ecology perspective may be a useful analytical guide for understanding the opportunities, challenges, and risks that firms face in commercializing OSS. There are two overarching themes guiding this thesis. The first theme concerns the challenges that firms face in commercialising community-driven open source. There is a tendency in the literature on business ecosystems and open source to emphasise the benefits, opportunities, and positive aspects of behaviour, at the expense of the challenges that firms face. However, business ecosystems are not only spaces of opportunity, they may also pose a variety of challenges that firms need to overcome in order to be successful. To help rectify this imbalance in the literature, the first theme particularly focuses on the challenges that firms face in commercialising community-driven open source. The underlying ambition is to facilitate a more balanced and holistic understanding of the

collaborative and competitive dynamics in ecosystems around open source projects. The other theme concerns the complex intertwining of community engagement and profit-oriented venturing. As is acknowledged in the literature, the subject of firm-community interaction has become increasingly important because the survival, success, and sustainability of peer production communities has become of strategic relevance to many organisations. However, while many strategic benefits may arise as a consequence of firm-community interaction, there is a lack of research studying how the value-creating logics of firm-community interaction are embedded within the bigger picture in which they occur. Bearing this bigger picture in mind, this thesis explores the intertwining of volunteer community engagement and profit-oriented venturing by focusing on four aspects that are theorised in the literature: reinforcement, complementarity, synergy, and reciprocity. This thesis is designed as a qualitative exploratory single-case study. The empirical case is Joomla, a popular open source content management system. In a nutshell, the Joomla case in this thesis comprises the interactions in the Joomla community and the commercial activities around the Joomla platform (e.g., web development, consulting, marketing, customisation, extensions). In order to achieve greater analytical depth, the business ecology perspective is complemented with ideas and

propositions from other theoretical areas, such as stakeholder theory, community governance, organizational identity, motivation theory, pricing, and bundling. The findings show that the common challenges in commercialising community-driven open source revolve around nine distinct factors that roughly cluster into three domains: the ecosystem, the community, and the firm. In short, the domain of the ecosystem comprises the global operating environment, the pace of change, and the cannibalisation of ideas. The domain of the community comprises the platform policy, platform image, and the voluntary nature of the open source project. And finally, the domain of the firm comprises the blurring boundaries between private and professional lives, the difficulty of estimating costs, and firm dependencies. Based on these insights, a framework for analysing community-based value creation in business ecosystems is proposed. This framework integrates collective innovation, community engagement, and value capture into a unified model of value creation in contexts of firm-community interaction. Furthermore, the findings reveal demonstrable effects of reinforcement, complementarity, synergy, and reciprocity in the intertwining of volunteer community engagement and profit-oriented venturing. By showing that this intertwining can be strong in empirical cases where commercial activities are often implicitly assumed to be

absent, this thesis provides a more nuanced understanding of firm involvement in the realm of open source. Based on the empirical and analytical insights, a number of further theoretical implications are discussed, such as the role of intersubjective trust in relation to the uncertainties that commercial actors face, an alternative way of classifying community types, the metaphor of superorganisms in the context of open source, issues pertaining to the well-being of community participants, and issues in relation to the transitioning of open source developers from a community-based to an entrepreneurial self-identity when commercialising an open source solution. Furthermore, this thesis builds on six sub-studies that make individual contributions of their own. In a broad sense, this thesis contributes to the literature streams on the commercialisation of OSS, the business value and strategic aspects of open source, the interrelationships between community forms of organising and entrepreneurial activities, and the nascent research on ecology perspectives on peer-production communities. A variety of opportunities for future research are highlighted. Denna avhandling undersöker fenomenet öppen källkod, 'open source', ur ett lednings och styrningsperspektiv. Mer konkret studeras aspekter på kommersialisering av ett community-drivet open source projekt (OSS, open source software). Uttrycket

'community-drivet' hänvisar till open source projekt som drivs och styrs av volontärgrupper, till skillnad från open source projekt som drivs och styrs av enskilda företag. Genom att tillämpa ett affärsekologiperspektiv fokuserar denna avhandling på det vidare sammanhang som karakteriserar kommersialisering av OSS, såsom globala och kollaborativa produktionssystem, värderingarna öppenhet och samarbete, marknadsstrukturer, och diffusa organisationsgränser. Aktiviteterna i open source communityn och dess kringliggande ekosystem kan bidra till många fördelar för företag, och därför kan ett affärsekologiperspektiv vara en användbar analytisk lins för att förstå de möjligheter, utmaningar och risker som företag står inför när de kommersialiserar OSS. Två övergripande teman lyfts fram i denna avhandling. Det första temat handlar om de utmaningar som företag står inför när de kommersialiserar community-driven OSS. Det finns i litteraturen om affärsekologier och open source en tendens att betona fördelar, möjligheter och positiva aspekter på beteende på bekostnad av att undersöka utmaningar som företag står inför. Affärsekologier innebär dock inte enbart möjligheter för företag, utan kan också orsaka en rad utmaningar som företag behöver hantera för att lyckas. Med utgångspunkt i denna obalans i litteraturen fokuserar det första temat på

de utmaningar med kommersialisering av community-driven OSS. Detta görs för att bidra till en mer balanserad och holistisk förståelse av den på samma gång kollaborativa och konkurrerande dynamiken i affärsekologin runt ett open source projekt. Det andra temat handlar om sammanflätningen (intertwining) mellan community-deltagande och vinstdrivande verksamhet. Såsom det framgår i litteraturen har frågan om samverkan mellan företag och communities blivit allt viktigare, eftersom communityernas överlevnad, framgång och hållbarhet har blivit strategiskt viktiga för många organisationer. Även om många strategiska fördelar kan uppstå som en följd av samverkan mellan företag och communities saknas forskning om hur värdeskapande uppstår i en vidare kontext. Med ett bredare perspektiv i åtanke undersöker denna avhandling sammanflätningen av frivilligt community-deltagande och en vinstdrivande verksamhet genom att fokusera på fyra aspekter av sammanflätning som förekommer i litteraturen: förstärkning, komplementaritet, synergi, och ömsesidighet. Denna avhandling är utformad som en kvalitativ utforskande fallstudie. Det empiriska fallet är Joomla, ett innehållshanteringssystem som bygger på open source. Inom ramen för avhandlingen undersöks fallet i termer av samspel inom Joomla-communityn och de

kommersiella aktiviteterna som sker runt Joomla-plattformen (t.ex., webbutveckling, rådgivning, marknadsföring, anpassningar, och extensions). För att uppnå ett analytiskt djup kompletteras affärsekologiperspektivet med idéer och förslag från andra teoretiska områden, såsom intressentmodellen, community-styrning, företagsidentitet, motivationsteori, prissättning, och buntning. Resultaten visar att utmaningarna med kommersialisering av community-driven OSS kretsar kring nio olika faktorer som kan grupperas i tre områden: ekosystemet, communityn, och företaget. Ekosystemsfaktorerna innefattar den globala verksamma miljön, förändringshastigheten och kannibalisering av idéer. Community-faktorerna innefattar plattformspolicy, plattformsimago, och att deltagandet i open source projektet sker på frivillig basis. Slutligen innefattar företagsfaktorerna suddiga gränser mellan privatliv och arbetsliv, svårigheten att uppskatta kostnader samt beroendeförhållanden mellan företag. Baserat på dessa insikter föreslås en modell för att analysera communitybaserad värdeskapande i affärsekologier. Modellen integrerar kollektiv innovation, community-deltagande, och value capture i en holistisk modell för community-baserad värdeskapande i kontexten samverkan mellan företag och communities. Vidare beskrivs

effekterna av sammanflätningen av frivilligt community-deltagande och vinstdrivande verksamhet i termer av förstärkning, komplementaritet, synergi, och ömsesidighet. Genom att visa att sammanflätningen av frivilligt community-deltagande och vinstdrivande verksamhet kan vara stark i fall där det ofta antas implicit att kommersiella aktiviteter inte förekommer ger denna avhandling en mer nyanserad förståelse av företags roll i kontexten open source. Baserat på empiriska och analytiska insikter diskuterar denna avhandling ett antal teoretiska konsekvenser, såsom rollen som intersubjektiv tillit spelar i förhållande till den ovisshet som kommersiella aktörer står inför, ett alternativt sätt att klassificera community-typer, metaforen superorganismer i kontexten open source, community-deltagares välbefinnande, samt hur open source utvecklare hanterar

övergången från en community-baserad självidentitet till en entreprenöriell självidentitet vid kommersialisering av OSS. Dessutom ger de sex delstudier som avhandlingen bygger på egna bidrag som presenteras i respektive delstudie. I stora drag bidrar denna avhandling till litteraturen om kommersialisering av OSS, affärsmässiga och strategiska aspekter på open source, samspelet mellan community-driven entreprenörsverksamhet samt den framväxande forskning som använder ett affärsekologiperspektiv för att studera kollegial produktion baserad på allmännyttan. En mängd olika möjligheter för framtida forskning lyfts fram.

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