Opensourcing 11

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Wasserman

<u>Software Sourcing in the Age of Open</u> Pär J. Ågerfalk,Brian Fitzgerald,Klaas-Jan Stol,2015-04-21 This SpringerBrief discusses multiple forms of open-source-inspired outsourcing: opensourcing, innersourcing and crowdsourcing. It uses a framework-based comparison to explain the strengths and weaknesses of each approach. By pointing out characteristics along with benefits and pitfalls of each approach, the authors provide nuanced and research-based advice to managers and developers facing software sourcing decisions. The differences and commonalities of these three emerging approaches are carefully analyzed. Chapters explore the primary challenges of reliability, efficiency and robustness in open-source methods. Examples from industrial cases are included, along with extensive references to recent research. The brief concludes with a comparative analysis of approaches and outlines key implications to be aware of when outsourcing. Software Sourcing in the Age of Open: Leveraging the Unknown Workforce is designed for professionals and researchers interested in outsourcing challenges. The content is also suitable for postgraduate students interested in contemporary software sourcing approaches.

Open Source Ecosystems: Diverse Communities Interacting

Cornelia Boldyreff,Kevin Crowston,Björn Lundell,Anthony I. Wasserman,2009-07-10 Welcome to the 5th International Conference on Open Source Systems! It is quite an achievement to reach the five-year mark – that's the sign of a successful enterprise. This annual conference is now being recognized as the primary event for the open source research community, attracting not only high-quality papers, but also building a community around a technical program, a collection of workshops, and (starting this year) a Doctoral Consortium. Reaching this milestone reflects the efforts of many people, including the conference founders, as well as the organizers and participants in the previous conferences. My task has been easy, and has been greatly aided by the hard work of Kevin Crowston and Cornelia Boldyreff, the Program Committee, as well as the Organizing Team led by Björn Lundell. All of us are also grateful to our attendees, especially in the difficult economic climate of 2009. We hope the participants found the conference valuable both for its technical content and for its personal networking opportunities. To me, it is interesting to look back over the past five years, not just at this conference, but at the development and acceptance of open source software. Since 2004,

the business and commercial side of open source has grown enormously. At that time, there were only a handful of open source businesses, led by RedHat and its Linux distribution. Companies such as MySQL and JBoss were still quite small.

　　Folklore, Horror Stories, and the Slender Man S. Chess,E. Newsom,2014-11-27 The Slender Man entered the general popular consciousness in May 2014, when two young girls led a third girl into a wooded area and stabbed her. Examining the growth of the online horror phenomenon, this book introduces unique attributes of digital culture and establishes a needed framework for studies of other Internet memes and mythologies.

　　Open Source Innovation Cornelius Herstatt,Daniel Ehls,2015-02-11 Open Source Innovation (OSI) has gained considerable momentum within the last years. Academic and management practice interest grows as more and more end-users consider and even participate in Open Source product development like Linux, Android, or Wikipedia. Open Source Innovation: Phenomenon, Participant Behaviour, Impact brings together rigorous academic research and business importance in scrutinizing OCI from three perspectives: The Phenomenon, Participants' Behavior, and Business Implications. The first section

introduces OCI artefacts, including who is participating and why, and provides a systematic overview of the literature. The second section stresses the behaviour of participants, highlighting participation progression, community selection, user entrepreneurship and fair behaviour, and answering key questions like how to manage governance rules, openness and community design aspects. The third explores the impact and implications of OSI for firms and economies by evaluating business models, uncovering opportunities for firms to interact with communities, and presenting value capture mechanisms. Open Source Innovation provides a full picture of the movement to help readers understand and engage with OSI from the micro perspective of individuals, to the community, to the macro perspective of firms and economies.

Joining Decisions in Open Collaborative Innovation Communities Daniel Ehls,2013-10-29 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.

Open Source Projects – Beyond Code John Mertic,2023-04-21 Accelerate your career and make an impact by launching and running a successful open source project. Purchase of the print or Kindle book includes a free PDF eBook Key Features Understand the method and rationale for launching an open source project Explore best practices and insights for running an open source project Leverage open source projects to advance your career Book Description Open source is ubiquitous in our society, with countless existing projects, and new ones emerging every day. It follows a scratch-your-own-itch model where contributors and maintainers drive the project forward. Through Open Source Projects - Beyond Code, you'll learn what it takes to develop a successful, scalable, and sustainable open source project. In this book, you'll explore the full life cycle of open source projects, from inception, through launch, to maturity, and then discover how to sunset an open source project responsibly. Along the way, you'll

learn the concepts of licensing, governance, community building, ecosystem management, and growing maintainers and contributors, as well as understand how other open source projects have been successful or might have struggled in some areas. You can use this book as an end-to-end guide or reference material for the future. By the end of this book, you'll be able to accelerate your career in open source. Your newly acquired skills will help you stay ahead of the curve even with the ever-evolving nature of technology. What you will learn Explore what is open source and how you can use it to accelerate your career Start an open source project while exploring its key considerations Grow, support, and manage a vast community of developers and users Build and maintain a mature and sustainable project Enable mass users and developers to downstream productization and outreach Use open source as a portfolio to build your career Understand when to end a project and conduct it responsibly Who this book is for This book is for software developers, product managers, project managers, business leaders, or general enthusiasts looking to start an open source project or currently maintaining one.

Open-Source Lab Joshua M. Pearce,2013-10-04 Open-Source Lab: How to Build Your Own Hardware and Reduce Scientific

Research Costs details the development of the free and open-source hardware revolution. The combination of open-source 3D printing and microcontrollers running on free software enables scientists, engineers, and lab personnel in every discipline to develop powerful research tools at unprecedented low costs. After reading Open-Source Lab, you will be able to: Lower equipment costs by making your own hardware Build open-source hardware for scientific research Actively participate in a community in which scientific results are more easily replicated and cited Numerous examples of technologies and the open-source user and developer communities that support them Instructions on how to take advantage of digital design sharing Explanations of Arduinos and RepRaps for scientific use A detailed guide to open-source hardware licenses and basic principles of intellectual property

A Business Ecology Perspective on Community–Driven Open Source Markus Radits,2019-01-25 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 karaktäriserar 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, plattformsimage, 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

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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 allmännytta. En mängd olika möjligheter för framtida forskning lyfts fram.

Making Open Development Inclusive Matthew L. Smith,Ruhiya Kristine Seward,2020-08-25 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 Systems: Enterprise Software and Solutions
Ioannis Stamelos,Jesus M. Gonzalez-Barahoña,Iraklis
Varlamis,Dimosthenis Anagnostopoulos,2018-06-08 This book
constitutes the refereed proceedings of the 14th IFIP WG 2.13
International Conference on Open Source Systems, OSS 2018,
held in Athens, Greece, in June 2018. The 14 revised full papers
and 2 short papers presented were carefully reviewed and selected
from 38 submissions. The papers cover a wide range of topics in
the field of free/libre open source software (FLOSS) and are
organized in the following thematic sections: organizational aspects
of OSS projects, OSS projects validity, mining OSS data, OSS in
public administration, OSS governance, and OSS reusability.

*Towards Engineering Free/Libre Open Source Software
(FLOSS) Ecosystems for Impact and Sustainability* Brian
Fitzgerald,Audris Mockus,Minghui Zhou,2019-07-05 Free/libre open
source software (FLOSS) ecosystems such as Linux have had a
tremendous impact on computing and society and have captured
the attention of businesses, researchers, and policy makers.
Research on FLOSS has been ongoing for almost two decades.
From an economic perspective, the most common topics involve

motivation and organization. As commercial participation in FLOSS has become common, the question of how to combine FLOSS practice with commercial practice has been the subject of research, particularly with a view to understanding how to ensure sustainability of the ecosystem. This book is based on a Shonan meeting on FLOSS ecosystem sustainability held in June 2017. The meeting brought together a blend of established and young researchers who were actively studying the FLOSS phenomenon. These researchers were drawn from a variety of disciplines including software engineering, human computer interaction, information systems, computer-supported cooperative work, data mining, cognitive science, psychology, operations research, and management. Industry practitioners who were active in the FLOSS space also participated. This book presents the results of discussion on fundamental questions related to the impact and sustainability of FLOSS ecosystems, including: · How does an ecosystem form? How do different stakeholders work together to form a community that develops and maintains valuable and freely available software, and how does an ecosystem with millions of repositories and developers operate given the lack of centralized planning? · How does an ecosystem evolve in response to the

environment as technology and needs evolve over time? · How do newcomers learn the protocols and practices of an ecosystem? How would they sustain the ecosystem? What is the relationship between people and ecosystem sustainability?

Open Source Software Policy Options for NASA Earth and Space Sciences National Academies of Sciences, Engineering, and Medicine,Division on Engineering and Physical Sciences,Space Studies Board,Committee on Best Practices for a Future Open Code Policy for NASA Space Science,2019-01-27 Modern science is ever more driven by computations and simulations. In particular, the state of the art in space and Earth science often arises from complex simulations of climate, space weather, and astronomical phenomena. At the same time, scientific work requires data processing, presentation, and analysis through broadly available proprietary and community software.1 Implicitly or explicitly, software is central to science. Scientific discovery, understanding, validation, and interpretation are all enhanced by access to the source code of the software used by scientists. This report investigates and recommends options for NASA's Science Mission Directorate (SMD) as it considers how to establish a policy regarding open source software to complement its existing policy

on open data. In particular, the report reviews existing data and software policies and the lessons learned from the implementation of those policies, summarizes community perspectives, and presents policy options and recommendations for implementing an open source software policy for NASA SMD.

Open Source Development, Adoption and Innovation Joseph Feller,Brian Fitzgerald,Walt Scacchi,Alberto Sillitti,2007-08-10 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.

Sustainability on University Campuses: Learning, Skills Building and Best Practices Walter Leal Filho,Ugo Bardi,2019-06-03 The implementation of sustainability initiatives on campuses is an essential component of promoting sustainability in the higher education context. In addition to reflecting an awareness of environmental issues, campus programmes demonstrate how seriously universities take sustainability at the institutional level.

There is a lack of truly interdisciplinary publications that comprehensively address the issue of campus greening, and there is an even greater need for publications that do so at a truly international level. This book meets these needs. It is one of the outcomes of the "Second Symposium on Sustainability in University Campuses" (SSUC-2018), which was jointly organised by the University of Florence (Italy), Manchester Metropolitan University (UK), the Research and Transfer Centre "Sustainable Development and Climate Change Management" and the "European School of Sustainability Science and Research" at the Hamburg University of Applied Sciences (Germany), in cooperation with the Inter-University Sustainable Development Research Programme (IUSDRP). The book showcases examples of campus-based research and teaching projects, regenerative campus design, low-carbon and zero-carbon buildings, waste prevention, and resilient transport, among others. Ultimately, it demonstrates the role of campuses as platforms for transformative social learning and research, and explores the means by which university campuses can be made more sustainable. The aims of this publication are as follows: • to provide universities with essential information on campus greening and sustainable campus

development initiatives from around the world; • to share ideas and lessons learned in the course of research, teaching and projects on campus greening and design, especially successful initiatives and good practice; and • to introduce methodological approaches and projects intended to integrate the topic of sustainable development in campus design and operations. This book gathers contributions from researchers and practitioners in the field of campus greening and sustainable development in the widest sense, from business and economics, to the arts, administration and the environment, and hailing from Europe, Latin America, North America and Asia.

Multi–Disciplinary Advancement in Open Source Software and Processes Koch, Stefan,2011-03-31 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.

Practical Open Source Software for Libraries Nicole Engard,2010-09-22 Open source refers to an application whose source code is made available for use or modification as users see fit. This means libraries gain more flexibility and freedom than with software purchased with license restrictions. Both the open source

community and the library world live by the same rules and principles. Practical Open Source Software for Libraries explains the facts and dispels myths about open source. Chapters introduce librarians to open source and what it means for libraries. The reader is provided with links to a toolbox full of freely available open source products to use in their libraries. Provides a toolbox of practical software that librarians can use both inside and out of the library Draws on the author's wide-ranging practical experience with open source software both in and out of the library community Includes real life examples from libraries and librarians of all types and locations

Innovations in Database Design, Web Applications, and Information Systems Management Siau, Keng,2012-09-30 New techniques and tools for database and database technologies are continuously being introduced. These technologies are the heart of many business information systems and can benefit from theories, models, and research results from other disciplines. Innovations in Database Design, Web Applications, and Information Systems Management presents ideal research in the areas of database theory, systems design, ontologies, and many more. Including examples of the convergence of ideas from various disciplines

aimed at improving and developing the theory of information technology and management of information resources, this book is useful for researchers and practitioners in the IT field.

How Open Source Ate Software Gordon Haff,2018-08-21 Learn how free software became open source and how you can sell open source software. This book provides a historical context of how open source has thoroughly transformed how we write software, how we cooperate, how we communicate, how we organize, and, ultimately, how we think about business values. You'll look at project and community examples including Linux, BSD, Apache, and Kubernetes, understand the open source development model, and how open source has influenced approaches more broadly, even proprietary software, such as open betas. You'll also examine the flipside, the Second Machine Age, and the challenges of open source-based business models. Today, open source serves as shorthand for much broader trends and behaviors. It's not just about a free (in all senses of the word) alternative to commercial software. It increasingly is the new commercial software. How Open Source Ate Software reveals how open source has much in common, and is often closely allied, with many other trends in business and society. You'll see how it

enables projects that go beyond any individual company. That makes open source not just a story about software, but a story about almost everything. What You'll Learn Understand open source opportunities and challenges Sell software if you're giving it away Apply open source principles more broadly to openorg, devops, etc. Review which organizational incentives you can implement Who This Book Is For Anyone who has an interest in what is happening in open source and the open source community, and anyone who is contemplating making a business that involves open source.

The Secret Reasons Why Teachers Are Not Using Web 2.0 Tools and What School Librarians Can Do about It Peggy Milam Creighton Ph.D.,2012-04-13 School librarians need a simple action plan for overcoming the barriers to adopting School Library 2.0. This book provides one, and describes how fully integrating technology would dramatically benefit 21st-century schools. Web 2.0 and its associated tools have the power to substantially increase student achievement. This book has two straightforward primary purposes: to detail the research-based reasons classroom teachers fail to incorporate Web 2.0 tools into their instruction and collaboration with other educators; and to provide actionable

strategies to rectify these omissions. The Secret Reasons Why Teachers Are Not Using Web 2.0 Tools and What School Librarians Can Do about It provides authoritative definitions of Web 2.0, explains the types of Web 2.0 tools suited for use in educational settings, examines the research-based reasons they are underutilized, and offers strategies for school librarians to model the use of technology-enabled tools—and for teaching others to do so. This book will benefit anyone wishing to effect a positive social change in improving student achievement: practicing K–12 librarians and educators, K–12 school and district administrators, and researchers in the field of K–12 education.

Open Source Systems: Towards Robust Practices Federico Balaguer,Roberto Di Cosmo,Alejandra Garrido,Fabio Kon,Gregorio Robles,Stefano Zacchiroli,2017-05-10 This book is open access under a CC BY license. This book constitutes the refereed proceedings of the 13th IFIP WG 2.13 International Conference on Open Source Systems, OSS 2017, held in Buenos Aires, Argentina, in May 2017. The 16 revised full papers and 3 short papers presented were carefully reviewed and selected from 32 submissions. The papers cover a wide range of topics related to free, libre, and open source software (FLOSS), including: licensing,

strategies, and practices; case studies; projects, communication, and participation; tools; and project management, development and evaluation.

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Introduction

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