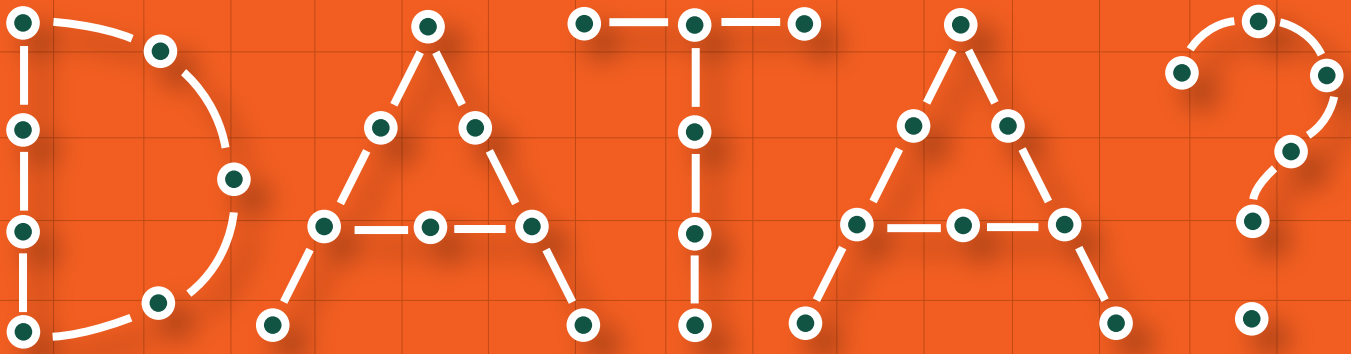# WHO OWNS THE DATA?

An International Conference on Digital Assets, Data Philanthropy, and Public Benefit

May 14, 2015
9:00 am - 5:30 pm

#WhoOwnsData 🐦

Conference Focus

As countless social, commercial and civic transactions are rapidly moving to online platforms, and sensors in our houses, cars, and mobile devices send endless streams of data to servers around the world, discussions of "Big Data" have become commonplace. But what happens to the information once it leaves our fingertips or pockets? How is the data being used, who benefits, and what role do individual contributors of data play --wittingly or unwittingly-- in the revenue models that sustain the systems? The conference will bring together data scientists, elected officials, representatives of public agencies and advocacy organizations, and entrepreneurs from the United States and Europe.

Presenting Sponsors

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Participant Bios - Keynotes

Brewster Kahle, Founder & Digital Librarian, The Internet Archive
"Who Owns Culture? Internet Archive's Perspective"

Brewster Kahle is a passionate advocate for public Internet access and a successful entrepreneur. He has spent his career intent on a singular focus: providing Universal Access to All Knowledge. He is the founder and Digital Librarian of the Internet Archive, one of the largest libraries in the world. Soon after graduating from the Massachusetts Institute of Technology where he studied artificial intelligence, Kahle helped found the company Thinking Machines, a parallel supercomputer maker. In 1989, Kahle created the Internet's first publishing system called Wide Area Information Server (WAIS), later selling the company to AOL. In 1996, Kahle co-founded Alexa Internet, which helps catalog the Web, selling it to Amazon.com in 1999. The Internet Archive, which he founded in 1996, now preserves 20 petabytes of data - the books, Web pages, music, television, and software of our cultural heritage, working with more than 400 library and university partners to create a digital library, accessible to all.
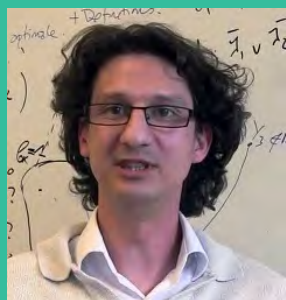
Francisco García Morán, Chief IT Advisor, European Commission
"A European Perspective on Ownership of Public Data and Publicly Funded Research Data"

Francisco García Morán is Chief IT Advisor at the European Commission where he advises the European Commission, other EU Institutions and Member States on digital policies, e-government, interoperability, IT governance, IT management, and IT security. He joined the European Commission in 1986 and was appointed Director General of Informatics and helped create the Directorate General in 2005. He has been member representative of the European Commission in the Management Board of ENISA (European Network and Information Security Agency) , member of the World Bank's HLEG (High Level E Transformation Group) and External Advisor of the IT Steering Committee of the European Central Bank. He supervised the CERT-EU since October 2012 until he moved to his current position. He is currently Visiting Scholar at UC Berkeley where he does research on "The Future of Digital Public Services."

Participant Bios

Nicolas Anciaux, Researcher, Inria

Nicolas is a researcher at INRIA, in the SMIS project, which focuses on secured and mobile information systems. He received his PhD in 2004 and his French Habilitation in 2014 from the University of Versailles. Since he joined INRIA in 2006, his research interests lie in the area of data management on specific hardware architecture, and more precisely on secure chips and embedded systems. Since 2015, Nicolas co-animates the research activities of the privacy cluster of the Digital Society Institute, which brings together economists, jurists and computer scientists.

Tom Andriola, CIO, University of California @Andriola_UC

Tom joined the University of California as Vice President and Chief Information Officer in 2013. He oversees the information technology function, helps guide system-wide technology initiatives, and provides leadership for the development of a long-term strategic vision for technology and digitalization across the University. Tom has a background as a CIO, business executive and entrepreneur and spent much of his career engaging in disruptive technologies and business models. He collaborates with campus, medical center and Office of the President leadership exploring opportunities both for achieving efficiencies and developing technology innovations to support the UC missions of teaching, research, and patient care.

Lucy Bernholz, Visiting Scholar, Center on Philanthropy and Civil Society, Stanford University @p2173

Lucy is a philanthropy wonk. She is trying to understand how we create, fund, and distribute shared social goods in the digital age – what she calls The Future of Good. She writes extensively on philanthropy, technology, information, and policy on her award-winning blog, philanthropy2173.com. This work led The Huffington Post to hail her as a "game changer."

Bernholz is a Senior Fellow at the Stanford University Center on Philanthropy and Civil Society where she co-leads the Digital Civil Society Lab. She has a B.A. from Yale University, where she played field hockey and captained the lacrosse team, and an MA and PhD from Stanford University.

Camille Crittenden, Deputy Director, CITRIS; Director, Connected Communities Initiative @CamCritt

Camille Crittenden serves as Deputy Director of CITRIS, Director of the Data and Democracy Initiative, and Executive Director of the Social Apps Lab. Prior to coming to CITRIS in 2012, she was Executive Director of the Human Rights Center at Berkeley Law, where she helped to develop its program in human rights, technology, and new media. She has written and spoken widely on these topics, as well as technology applications for civic engagement, government transparency and accountability, and the digital divide. She earned an MA and PhD from Duke University.

Participant Bios

Stefano Foresti, Professor, UC Merced

Stefano is the Director of Innovation, School of Engineering, and Associate Director of CITRIS at the University of California, Merced where he supports a variety of programs and industry partnerships. He is a Program Committee member of VLAB (MIT/Stanford Enterprise Forum), chairing events on actionable discovery of disruptive technologies and markets. He is also Founder of Globidea, launching a breakthrough product (xap.io) to make information much easier to find and reuse, yet supporting ownership rights, privacy, and accountability. Stefano holds a Doctorate in Mathematics, and was Senior Scientist at the University of Utah, Center for High Performance Computing for over a decade.

Lise Getoor, Professor, UC Santa Cruz

Lise is a professor in the Computer Science Department at the University of California, Santa Cruz. Her research areas include machine learning, data integration and reasoning under uncertainty, with an emphasis on graph and network data. She is an AAAI Fellow, serves on the Computing Research Association and International Machine Learning Society boards, was co-chair of ICML 2011, and is a recipient of an NSF Career Award and nine best paper and best student paper awards. She was recently recognized as one of the top ten emerging researchers in data mining and data science based on citation and impact, according to KDD Nuggets. She received her PhD from Stanford University.

Ken Goldberg, Professor, UC Berkeley
@ken_goldberg

Ken Goldberg is an artist and UC Berkeley professor. He and his students investigate robotics, automation, art, and social media. Ken is Director of the People and Robots Initiative (a CITRIS multicampus multidisciplinary research program established in April 2015) and UC Berkeley's Automation Sciences Research Lab (since 1995). Ken earned dual degrees in Electrical Engineering and Economics from the University of Pennsylvania (1984) and MS and PhD degrees from Carnegie Mellon University (1990).

More info available at goldberg.berkeley.edu

Stéphane Grumbach, Senior Researcher, Inria
@sgrumbach

Stéphane is a specialist of data. He has worked on complex data types, such as spatial, statistical, as well as biological data, and has designed a compression algorithm for DNA sequences. His current research focuses on the disruptions of the digital revolution, particularly on intermediation platforms, which transform data to create new economic and societal means. He is director of IXXI, the Complex Systems Institute at ENS Lyon, promoting cross-disciplinary research to address contemporary challenges, and heads the Dice research group from Inria devoted to the Economy of Data.

More info available at
who.rocq.inria.fr/Stephane.Grumbach/

Participant Bios

Valerie Issarny, Inria@SiliconValley Scientific Coordinator, Inria

Dr. Valérie Issarny holds a Directrice de recherche position at Inria, the French institute for research in Information and Communication Science and Technologies, where she led the ARLES research team until 2013. Valérie studies middleware solutions easing the development of distributed collaborative services, including mobile services deployed over smartphones and interacting with sensors and actuators. Since summer 2013, she is the scientific coordinator of the Inria@SiliconValley program promoting and fostering collaboration between Inria and California universities. She is also coordinating the Inria CityLab program dedicated to smart cities and promoting citizen engagement; the program is developed in collaboration with CITRIS at the University of California, Berkeley.

More info available at mimove.inria.fr/members/valerie-issarny/

Claude Kirchner, Senior Researcher, Inria
@ClaudeKirchner

Claude is currently advisor of Inria's President and has been Inria's CEO for science and technology from 2010 to 2014. His scientific interests and contributions focus on logic and semantic foundations for the design and implementation of robust, reliable and secure systems. He contributed to the emergence of deduction modulo concepts and of the rewriting calculus. From 1992, he created and directed the Protheo Inria project-team in Nancy. He was awarded the 2002 Academy of Sciences grand prize for the Franco-Taiwanese cultural foundation.

Kai Kuikkaniemi, Research & Project Manager, Aalto University
@kaikuikkaniemi

Kai is a research and project manager in the Helsinki Institute for Information Technology (HIIT), Aalto University. Kuikkaniemi's research is focused on live participation and human-centric organization of personal data. The latest work is focused on the Nordic MyData model, which is an infrastructure-level approach for personal data consent management.

Manas Mohapatra, Associate Director, Legal, Twitter
@ManasMo

Manas is Associate Director for Twitter's legal team, where he provides legal counsel on privacy, consumer protection, intellectual property, and content regulation issues to Twitter's consumer product teams. Prior to joining Twitter, Manas was the Director of Mobile Policy for the FTC's Mobile Technology Unit, and also served as a Senior Attorney in the FTC's Division of Privacy and Identity Protection. While at the FTC, Manas brought enforcement actions in multiple cases involving allegations of unfair or deceptive privacy and security practices, including the FTC's settlements with Facebook and MySpace. He received his BA from Johns Hopkins University and his JD from Northwestern.
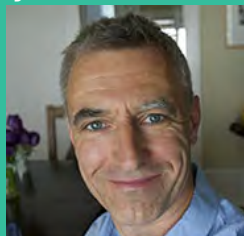
Participant Bios

Faris Natour, Director of Human Rights, Business for Social Responsibility
@FarisNatour

Faris leads BSR's global human rights practice and the Advisory Services team in the Western United States and Canada. A leading expert on sustainable business and human rights, Faris has advised global companies on human rights due diligence and integration, sustainability strategy, reporting, and stakeholder engagement. In addition, Faris is a member of the World Economic Forum's Global Agenda Council on Human Rights and serves on the Board of Directors of Accountability Counsel. Faris holds an MA in International Law from George Washington University Law School, and a law degree from the University of Regensburg, Germany.

Greg Niemeyer, Professor, UC Berkeley
@gregniemeyer

Greg is professor of Art Practice, co-directs the Social Apps Lab at CITRIS and directs the Berkeley Center for New Media. His creative work focuses on the mediation between humans as individuals and humans as a collective through technological means and emphasizes playful responses to technology. Some of his most recognized projects include Organum Playtest (2005), Good Morning Flowers (SFIFF 2006, Townhouse Gallery, Cairo, Egypt, 2006), and the Balance Game (Cairo 2007, London, 2007) with Joe McKay. The Black Cloud (2008) was funded by the MacArthur Foundation to provide an alternate reality game and a social network for sensing air quality and taking actions to benefit indoor air quality. The project has evolved into a startup company under the name of Aclima Inc.

Hanna Niemi-Hugaerts, Development Manager, Forum Virium
@CitySDK_Hanna

Hanna started at Forum Virium Helsinki in January 2012. She currently works as development manager in the Smart City Project Area, leading a team focusing on open APIs, developer engagement and other enablers of an Open Smart City that boosts creation of digital services. Hanna coordinates the City of Helsinki's 6Aika Open Data spearhead project. In the spearhead project six of the largest Finnish cities join forces to open their datasets as widely as possible and in an harmonized manner. Hanna is a doctoral student at the Media Lab, a unit within the School of Arts, Design and Architecture at Aalto University.

Brandie Nonnecke, Research & Development Manager, CITRIS, UC Berkeley
@BNonnecke

Brandie is a postdoctoral scholar and research and development manager at the Center for Information Technology Research in the Interest of Society (CITRIS) at UC Berkeley. She helps design and deploy online platforms that utilize statistical models and collaborative filtering to enhance public engagement. Her current projects include The California Report Card (http://californiareportcard.org), Mexico Participa (http://mxparticipa.org), and UgandaCAFE (http://bit.ly/1bSqJsL). She received her PhD from The Pennsylvania State University.

More info is available at nonnecke.com.

Participant Bios

Antoine Petit, CEO, Inria

Antoine was appointed CEO of Inria in 2014. He joined Inria in July 2006 to head the Paris-Rocquencourt Research Centre, later acting as Interim Director of the Saclay Research Centre from March to September 2010. As Deputy Managing Director, he coordinated relations with supervisory ministries and institutional partnerships with research bodies, businesses and local authorities, in France and abroad. Antoine specialises in formal methods, mainly transition system-based methods, for the specification and verification of parallel and real-time systems.

Aparna Sain, Senior Advisor, Business Development for Silicon Valley, EIT ICT Labs

Aparna serves as a Senior Advisor on Business Development for EIT ICT Labs. Aparna was appointed as a Senior Advisor on Innovation and Entrepreneurship in the U.S. Department of State focusing on President Obama's global economic growth initiative from Silicon Valley. At State, she became a public voice for creating Entrepreneurial Ecosystems around the World and building public private partnerships brining together policy makers, governments, entrepreneurs and businesses. Aparna has 16 years of business development and consulting experience and has helped many multi-national companies and startups worldwide.

MacKenzie Smith, University Librarian, UC Davis

MacKenzie has been the University Librarian at UC Davis since June 2012. She specializes in information technology and digital knowledge management. As Research Director for the MIT Libraries, she led cutting-edge research projects in digital libraries and archives; Web applications for online scholarly communication; and digital data curation in support of e-science. She also led the development of the DSpace open source software platform for digital archives, now used by hundreds of universities world-wide. As a research fellow for the Creative Commons organization, she has worked extensively on intellectual property policy for scientific research data and on advocacy for Open Access to scholarly journals and other research products.

Costas Spanos, Director, CITRIS
@CostasSpanos

Costas is the Director of CITRIS and the Banatao Institute @ CITRIS Berkeley. As the Andrew S. Grove Distinguished Professor of Electrical Engineering and Computer Sciences, Spanos conducts research on the application of statistical analysis in the design and fabrication of integrated circuits, and the development and deployment of novel sensors and computer-aided techniques in semiconductor manufacturing. He is also using statistical data mining techniques for energy efficiency applications, and is the leader of the Singapore-based SinBerBEST project, focusing on energy efficient buildings.