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European Commission

Our Data, Our Future

Radical Tech for a Democratic Digital Society

DECODE Symposium 5-6 November 2019

La Centrale, Nuvola Lavazza, Turin

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DECODE final symposium will discuss the policy agenda that could help realize the radical democratic potential of decentralized digital technologies.

After reviewing the most promising of such technologies on Day One, the Day Two programme will discuss how such projects could fit into the broader context of Europe's efforts to restore the economic and technological sovereignty of its citizens.
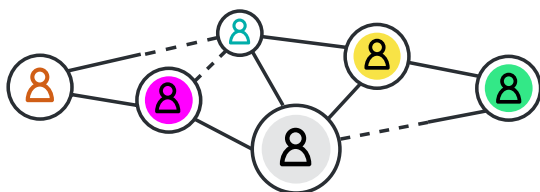
This event is curated by Francesca Bria and Evgeny Morozov and is brought to you by **Nesta Italia** and hosted by **Lavazza**. We proudly worked in partnership with **City of Turin**, the **Turin Festival of Technology**, **Humanities and Social Change Foundation** and **TopIX**. Our media partners are **Wired**, **Codice** and **Micro Mega**. Workshops have been curated by **Dyne.org**.

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Welcome to the 2019 DECODE Symposium

Our Data, Our Future

## Radical Tech for a Democratic Digital Society

While the critical scrutiny of Big Tech is on the rise, there's still a paucity of pragmatic policy proposals to chart an alternative path. There are some exciting ongoing discussions on how its power can be tamed, but it's not yet clear how far they could go without threatening a further breach in the already fragile system of global trade and governance.

At the same time, the toolkit and mentality of Big Tech seem to dominate the political horizon even of its critics: while breaking up Big Tech into smaller constituent parts might address the immense imbalances of power that have accumulated in the digital economy, it won't automatically suggest an alternative model where digital technologies work in the public interest and can serve citizens, improve public services, and working conditions. The need for such a model, especially in light of the climate emergency, is all the more clear.

The gathering in Turin, the last of DECODE Symposium, would discuss the ways in which a more democratic and solidarity-based digital society could come into existence. This will involve both situating the current policy debate in the broader geopolitical and historical setting and surveying the field of nascent bottom-up efforts, some of them using the blockchain technologies, to democratize the "stack", and give back data sovereignty to citizens. The event will attempt to build a bridge between the debate about democratizing the digital economy and that on enacting a democratic Green New Deal – a most urgent task that should top the agenda of policymakers, industry and activists alike.

Francesca Bria and **Evgeny Morozov**

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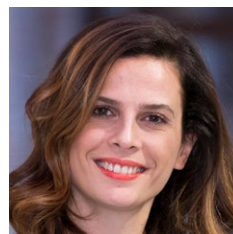
Programme

Day One: November 5

DECENTRALISED TECH FOR DIGITAL SOVEREIGNTY

Two sets of Parallel Sessions will also be held from 12.00 on Day One, see pages 6-9 for details

8.30	**Registration and breakfast**
	Morning Chair: **Marleen Stikker**, Waag
	Afternoon Chair: **Geoff Mulgan**, Nesta
9.30-9.45	**Welcome and opening**
	Francesca Bria, DECODE
	Olivier Bringer, European Commission
	Marco Pironti, Deputy Mayor for Innovation, Turin
9.45-10.00	**Blockchains for Social Good**: First results from the EU prize and related initiatives
	Fabrizio Sestini, European Commission
10.00-11.00	**Panel**: Blockchains, DLTs and Privacy-Enhancing Technology for the Common Good
	Valeria Portale, Blockchain Observatory, Politecnico Milano
	Enzo Le Fevre, Coordinator OECD Thematic Group on Emerging Technologies in the Public Sector
	Denis Roio, Dyne.org
	Olivier Bringer, European Commission
	Alessandro Fusacchia, Member of Italian Parliament
	Chair: **Monique Calisti**, Martel Innovate
11.00-11.15	**The DECODE Ecosystem**: Tools for citizens' data sovereignty
	Denis Roio, Dyne.org
	Pablo Aragon, Eurecat, Barcelona
	Aik van Eemeren, Amsterdam City

11.15-11.30 **DLTs and blockchains EU Project Pitches**

Energy as a Common, Alessia Borge (Prosume)

Caelum blockchain-based zero knowledge proof authentication, Alexandra Cavero (Caelum Labs)

Catalyse Trust in communities, Roberto Sanlorenzo (Merits)

Riddle and Code blockchain tagging for steel, Tom Fuerstner (Riddle&Code)

11.30-12.00 Refreshments, networking and exploring the showcase

12.00-13.30 **A New Deal on Data**: Towards Viable Solutions

Maria Savona, Sussex University

Regis Chatellier, Commission Nationale de l'Informatique et des Libertés

Lorena Jaume-Palasí, Algorithm Watch

Neil Lawrence, University of Cambridge

Mara Balestrini, Ideas for Change

Chair: **Antonio Calleja-López**, Decidim, democratic innovation, Barcelona

13.30-15.00 Refreshments, networking and exploring the showcase

15.00-16.00 **The Role of STARTS** (Science, Tech and the Arts) for a Human-centric Digital Future

Mar Santamaria Varas, 300000 kms and winner STARTS Prize 2019

Holly Herndon, Musician

Christopher Roth, Artist, Film-Director

Ciro Cattuto, ISI Foundation

Larisa Blazic, Artist, Vertigo STARTS Residency

Chair: **Marleen Stikker**, Waag

16.00-17.00 **Europe's Digital Sovereignty**: How Do We Get There?

Rob van Kranenburg, Internet of Things Council

Dan Hill, Vinnova

Erika Widegren, Reimagine Europa

Yasmine Fage, Entrepreneur Goggo Network

Ben Cerveny, Foundation for Public Code

Caroline Nevejan, City of Amsterdam

Chair: **Katja Bego**, Nesta

17.00-18.00 Networking and exploring the showcase

18.00-19.30 **The Evening Debate**: The Future of Press Freedom: The case of Wikileaks

Jennifer Robinson, Human Rights Lawyer

Stefania Maurizi, La Repubblica

Joseph Farrel, Wikileaks ambassador, Center of Investigative Journalism

Geoffroy de Lagasnerie, Philosopher

Chair: **Renata Avila**, Fundación Ciudadanía Inteligente

DECODE Tech sessions

Day One: November 5

The Tech sessions will guide developers and sysadmins through the customization and deployment of the core technologies developed in DECODE

12.00-13.00 **DECODE App**: How to add your service to DECODE's PETS (privacy-enhancing technology) ecosystem

The DECODE App used in the DDDC pilot results from the collaboration of four teams of 20+ professionals from five different EU countries and includes bleeding edge technology in blockchain, cryptography, web and mobile development. The app is built in a modular fashion with extendibility in mind: it allows to easily integrate a zero-knowledge proof flow to an existing web service. In this workshop we will:

· Explain the architecture and go through the web services needed to run the platform

· Go through the code of the App

· Show how to create a simple extension for the mobile App

Presented by: **Jordi Buj** and **Pol Colomer**, Dribia

13.00-14.00 Refreshments, networking and exploring the showcase

14.00-15.00 **BarcelonaNow**: How to setup the BCNNow Dashboard and add a new service for a PETs platform and integration with DECIDIM democracy platform

The BCNOW dashboard was developed by Eurecat with the collaboration of Dyne. org, Thingful and SmartCitizen: it serves as a configurable visualization dashboard for anonymized data-sets, received and processed in real time. In the workshop will show how:

· The BCNOW dashboard is brought online,

· How to configure it and the infrastructure needed

· How it can be extended.

Presented by: **Pablo Aragón**, Eurecat Barcelona
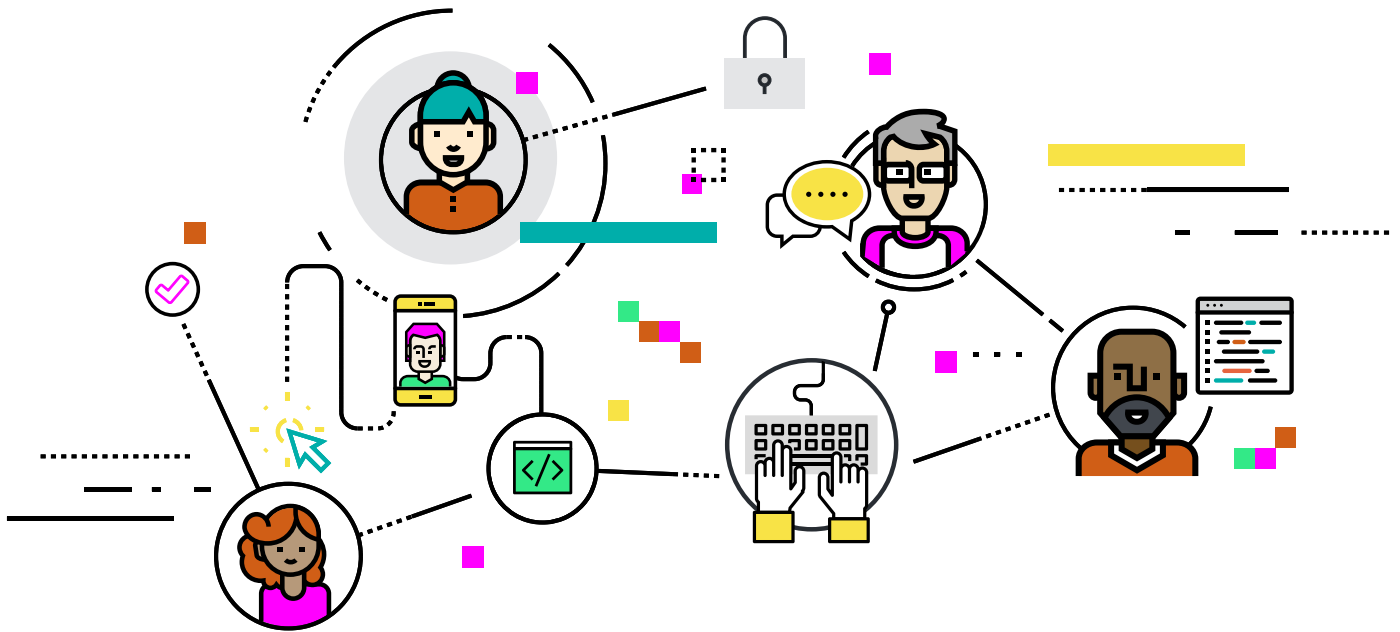
15.00-16.00 **Zenroom**: How to setup an offline zero-knowledge proof (zk-SNARKS) authentication flow in a multiplatform environment

Dyne.org's Zenroom crypto-vm packs in modern cryptography, smart contracts execution and multiple blockchain support in true multiplatform environment. Zenroom also offers the offline zero-knowledge proof (zk-SNARKS) authentication flow described in the *Coconut* paper written by UCL and used in Facebook's Libra. In this workshop we will:

- Show how to get started with Zenroom on Linux

- Demonstrate Zenroom's zk-SNARKS flow and show the infrastructure needed

- Explain how to integrate it into an existing authentication flow, be it a web service or a blockchain

Presented by: **Andrea D'Intino** and **Puria Nafisi**, Dyne.org

16.00-17.00 **Claim Verification 18+: setup and deploy the passport scanner and authentication platform**

The 18+ pilot uses zero-knowledge proof cryptography to allow citizens to proof their age without showing their ID card. The pilot uses an easy to deploy, offline passport and ID scanner that produces a cryptographically signed credential, delivered as a QR code. The pilot includes two progressive web apps, one for the citizen and one for those who want to verify the credentials, both of them can work offline too after a setup is done. In this workshop we will:

- Go through the source code, hardware specs and CAD files

- Show how to configure the passport reader box

Presented by: **Sander Van der Waal**, Waag

DECODE Tech Talks

Day One: November 5

The Tech Talks are held by industry leaders, researchers and startups, to explore the state-of-the-art of privacy, cryptography, data governance and blockchain technologies.

12.00-13.00 **Decentralisation, DLTs, blockchains**

JRC EU Policy Lab: Co-creating a European Ecosystem of Distributed Ledger Technologies (DLTs) for Social and Public Good

Alexandre Pólvora, European Commission

[Masterclass] Developer journey, implementing a zero-knowledge proof flow with Zenroom

Alex Puig, Caelumlabs

A debate about transparency, accountability and privacy in blockchain

Antonio Tenorio-Fornés, Decentralized Science

Chair: **Andrea D'Intino** and **Puria Nafisi**, Dyne.org

13.00-14.00 Refreshments, networking and exploring the showcase

14.00-15.00 **Decentralisation, DLTs, blockchains**

[Masterclass] Software Agents and Code Migration in Zenroom

Tom Fuerstner, RiddleAndCode

The Prosume smart grid management platform

Alex D'Elia and **Alessia Borge**, Mangrovia

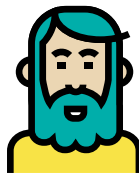Enhancing relational and social capital of communities

Roberto Sanlorenzo, Merits

Superrr, promoting the ethical use of technology

Julia Kloiber, Superrr

Chair: **Andrea D'Intino** and **Puria Nafisi**, Dyne.org

15.00-16.00 ## New Frontiers of Privacy

[Masterclass] The future of cryptography and the Miracl Core library

Mike Scott, Miracl

Security and privacy, an unsustainable balance

Sofia Celi, Centro de Autonomía Digital

Platforms and Optimization

Seda F. Gürses and **Joris van Hoboken**, KU Leuven & Vrije Universiteit Brussels

Limits of anonymization and challenges in privacy-preserving data analysis

Andrea Gadotti, Imperial College London

Chair: **Rob Van Kranenburg**, IoT Council

16.00-17.00 ## Tools and rules for Data Commons: Presentations and discussion

Data Rights model and how can it be achieved

Valentina Pavel, Mozilla Fellow

Bottom-up Data Trusts

Sylvie Delacroix, Birmingham Law School & **Neil Lawrence**, University of Cambridge

My reputation is your reputation: how to improve people's capacity to check companies' trustworthiness and affect their practices

Kamal Ajji, Paris2 Pantheon Assas University

Chair: **Javier Ruiz Diaz**, Open Rights Group and DECODE Advisor

17.00-18.00 ## Data sovereignty, privacy and security

[Masterclass] Assured identities with valuable data – the Dizme framework

Fabrizio Leoni, Infocert

Classic identity & access rebuilt with Self-Sovereign Identity Tech

Andre Kudra, Esatus

Security in the IoT is broken - we need new concepts for a safe future in an IoT World

Mirko Ross, Asvin

Meta-Press.es: the decentralized press search engine

Simon Descarpentries, Siltaar

Chair: **Rob van Kranenburg**, IoT Council

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Programme
Day Two: November 6

BEYOND BIG TECH: DEMOCRATIZING THE KNOWLEDGE ECONOMY IN THE TIMES OF THE CLIMATE EMERGENCY

9.00-10.00	Registration and breakfast

Main chair for the day: **Barbara Carfagna**, RAI

10.00-10.15	**Welcoming remarks**

Geoff Mulgan, Nesta
Francesca Bria, DECODE
Paola Pisano, Italian Minister of Innovation
Marco Zappalorto, Nesta Italia

10.15-10.30	**Setting the Scene**: Our Technological Future Beyond Techno-Nationalism and Techno- Globalism

Evgeny Morozov, Author

10.30-12.00	**Democratizing Money vs. Centralizing Control**: The Geopolitics of Fintech

Izabella Kaminska, Financial Times
Kevin Donovan, University of Edinburgh
Massimo Amato, Bocconi University
Andres Arauz, Economist, former Minister of Knowledge Ecuador
Rohan Grey, Digital Fiat Currency Institute
Chair: **Brett Scott**, Author Hacking the Future of Money

12.00-14.00	Refreshments, networking and exploring the showcase

14.00-15.30 **Big Tech in Crisis**: Policy Responses on Competition and Data Sovereignty

Tommaso Valletti, Imperial College

Alexey Ivanov, Skolkovo-HSE Institute for Law and Development

James Meadway, Economist

Francesca Bria, DECODE

Paul Nemitz, European Commission

Chair: **Anna Masera**, La Stampa

15.30-15.40 **Reconquering digital sovereignty**: DECODE and beyond

15.40-17.00 **Putting Data, Platforms and AI under Democratic Control**

Amelia Andersdotter, Article19 (former EU MEPs)

Bruce Sterling, Writer

Juan Carlos de Martin, Nexa Center for Internet & Society, Politecnico di Torino

Edoardo Reviglio, Cassa Depositi e Prestiti

Geoff Mulgan, CEO Nesta

Paul Mason, Journalist and Author

Chair: **Luca De Biase**, Sole 24 Ore

17.00-18.00 Refreshments and networking

18.00-19.30 **Democratizing the Knowledge Economy in the Times of the Green New Deal:** An interview with Roberto Mangabeira Unger, Harvard University

Responses:

Robert C. Hockett, Cornell University

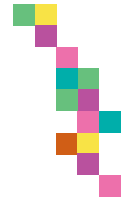**Ann Pettifor**, Director, Policy Research in Macroeconomics (PRIME)

Brian Eno, Artist

Francesca Bria, DECODE

Evgeny Morozov, Author

Andrea Orlando, Member of Italian Parliament

Chair: **John Thornhill**, Financial Times

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DECODE GIVES BACK DATA SOVEREIGNTY TO CITIZENS

DECODE provides decentralized, privacy- enhancing, rights preserving tools to give back data sovereignty to people and enable citizens' digital rights.

Today's digital economy is increasingly centralised and relies on the manipulation and commercial exploitation of personal information by very few Big Tech Giants.

DECODE provides decentralized, privacy-enhancing, rights preserving tools to give back data sovereignty to people and enable citizens' digital rights. DECODE is an ambitious EU project that contains a strong multidisciplinary approach, including political, technical, legal, economic and social perspectives to propose a New Social Pact on Data: to treat data as a common infrastructure that generates public value. DECODE enables citizens to control their data as a common good and to share them on terms that are fair, transparent and accountable, thus enabling a new generation of decentralised digital applications, where communities can leverage the collective value of their data.

To find out more about DECODE, visit **www.decodeproject.eu**

DECODE SYMPOSIUM IS POWERED BY:

nesta
Italia

Nesta Italia tests and grows new ideas to address Italy's most pressing societal challenges.

Based in Turin, Nesta Italia is a partnership between the global innovation foundation Nesta, and Compagnia di San Paolo, one of Italy's largest and oldest philanthropic foundations. Nesta Italia supports innovation in education; inclusion and urban policies; health and ageing; and the arts and cultural heritage – using Nesta's proven innovation methods to encourage social innovation in Italy. We use our knowledge, networks, funding and skills – working in partnership with others across Italy, including governments, businesses and charities.

Visit **en.nestaitalia.org** or **@nesta_it**

Main stage speakers

(In order of participation)

Marleen Stikker

Founder, Waag

@marleenstikker

Marleen Stikker is founder of Waag. She is also founder of 'De Digitale Stad' (The Digital City) in 1993, the first virtual community introducing free public access to the Internet in Amsterdam. She leads Waag, a social enterprise that consists of a research institute for creative technologies and social innovation and Waag Products, that launched companies like Fairphone, the first fair smartphone in the world. She is also member of the European H2020 Commission High-level Expert Group for SRIA on innovating Cities/DGResearch and the Dutch AcTI academy for technology & innovation. Marleen Stikker strongly adheres to the Maker's Bill of Rights motto: *"If You Can't Open It, You Don't Own It"*. Marleen believes that society needs open technologies that meet societal challenges.

Geoff Mulgan

CEO, Nesta

@geoffmulgan

Geoff Mulgan has been Chief Executive of Nesta since 2011. Nesta is the UK's innovation foundation and runs a wide range of activities in investment, practical innovation and research. Between 1997 and 2004 Geoff had various roles in the UK government including director of the Government's Strategy Unit and head of policy in the Prime Minister's office. From 2004 to 2011 Geoff was the first Chief Executive of The Young Foundation. He was the first director of the think-tank Demos; Chief Adviser to Gordon Brown MP and reporter on BBC TV and radio. He has been a visiting professor at LSE, UCL and Melbourne University and is currently a senior visiting scholar at Harvard University. Geoff co-chairs a World Economic Forum group looking at innovation and entrepreneurship in the fourth industrial revolution. He has advised many governments around the world and is currently chair of an international advisory committee for the Mayor of Seoul and a member of advisory committees for the Prime Minister's office in the UAE, the Scottish Government and SITRA, the Finnish Innovation agency.

Francesca Bria

Founder, DECODE Project. UN Senior Advisor on Digital Cities, Honorary Professor IIPP, UCL. Former CTO, Barcelona. orary Professor IIPP, UCL.

@francesca_bria

Francesca Bria is leading the DECODE project on data sovereignty in Europe. She is a Senior Adviser to the United Nation on digital cities and digital rights, and she is Assistant Professor in the Institute for Innovation and Public Purpose at UCL in London. She is an adviser for the European Commission on Future Internet and Innovation Policy, and she is the former Chief Digital Technology and Innovation for the City of Barcelona in Spain.

Francesca has a PhD in Innovation and Entrepreneurship from Imperial College, London and MSc on Digital Economy from University of London, Birbeck. As Senior Programme Lead at Nesta, the UK Innovation Agency, she has led the EU D-CENT project, the biggest European Project on digital democracy and digital currencies. She also led the DSI project on Digital Social Innovation in Europe, advising the EU on digital social innovation policies. She has been teaching

in several universities in the UK and Italy and she has advised Governments, public and private organizations and movements on Technology and Innovation policy, and its socio-economic impact.

Francesca's work focuses on one of the key issues of our time: how can we give people the ownership of their data? In her recent report (co-authored with Evgeny Morozov), she explores how can societies regain control not only over digital technology, data, and infrastructure, but also over the services that are mediated by smart technologies – such as utilities, transportation, education, and health

She has been listed in the Top 50 Women in Tech by the *Forbes Magazine*, and in the World's top 20 most influential people in digital government by Apolitical. She has also been featured in the Italian *Magazine Repubblica "D"*, amongst the 100 Women Changing the World.

Olivier Bringer

Head of Unit at the European Commission, Next Generation Internet

Olivier Bringer is Head of Unit at the European Commission, in charge of the Next Generation Internet (NGI) initiative and internet governance policy. Before working on NGI, Olivier held various positions in the European Commission, dealing with policy development and implementation in the area of digital and competition law. Prior to joining the Commission, Olivier worked as a consultant in the telecom industry. He is an engineer by training.

Marco Pironti

Deputy Mayor of Innovation, Smart City and ICT Systems City of Torino

🐦 @twitorino

Marco Pironti is the Deputy Mayor of Innovation, Smart City and ICT Systems of the City of Torino. He is carrying out the strategy of innovation and digitization of the city of Torino. His vision for the city is to turn into a laboratory for testing frontier innovations open to the world, but especially an administration vision that is always looking to citizen participation. A cutting-edge city vision is based on Torino City Lab, an initiative-platform aimed at creating simplified conditions for companies interested in conducting testing in real conditions of innovative solutions for urban living. Promoted by the City of Turin, it involves a vast local partnership of subjects from public and private sectors interested in supporting and growing the local innovation ecosystem and frontier innovation. He is a Professor of Innovation Management and Entrepreneurship at the University of Torino – Computer Science Department, Director of ICxT Interdepartmental Innovation Center and member of Scientific Committee of PhD program in Innovation for Circular Economy. He is an author of more than 90 articles and other publications. His main research interests are relating to strategy, innovation management and business modeling and planning.

Fabrizio Sestini

Senior Expert in Digital Social Innovation, DG CONNECT

🐦 @100fabrizio

Fabrizio Sestini is Senior Expert in Digital Social Innovation with DG CONNECT of the European Commission, and responsible for the EIC Horizon Prize on 'Blockchains for Social Good'. Within DG CONNECT, he is leading the multidisciplinary initiative CAPS 'Collective Awareness Platforms for Sustainability and Social Innovation'. In the framework of the Next-Generation Internet initiative, he has launched a new area of techno-social research on distributed architectures for decentralised data governance, leveraging on peer-to-peer and blockchains/distributed ledger technologies. Before joining the European Commission, he has collaborated with the University of Rome 'La Sapienza' and worked seven years with RAI, the Italian broadcaster. He has a PhD in Information and Communication Engineering and has published some 30 scientific papers. As an IEEE Senior Member, he has often served on boards organising scientific conferences. Fabrizio is an Internet Policy Fellow of the University of Cambridge.

Valeria Portale

Director of the Blockchain & Distributed Ledger and Innovative Payments Observatories, Digital Innovation Observatories of the School of Management of Politecnico di Milano

🐦 **@valeriaportale**

Valeria Portale has started working for the Digital Innovation Observatories of the School of Management of Politecnico di Milano after a graduation in Management Engineering at the Politecnico di Milano. She is currently the director of the Blockchain & Distributed Ledger and Innovative Payments Observatories and she collaborates as a Senior Advisor with the Digital Innovation in Retail and the Fintech & Insurtech Observatories. For more than ten years she has been collaborating in the dissemination of knowledge about the digital payment sector and the blockchain and distributed ledger technologies by studying both the Italian and the international market. She carries out teaching and support activities at the Department of Management Engineering and MIP.

Enzo Maria Le Fevre

Adjunct Professor of Digital Governance, Università degli Studi della Tuscia
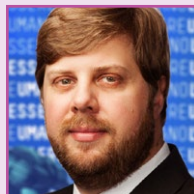
Enzo Maria Le Fevre, Ph.D., is Adjunct Professor of Digital Governance at the Università degli Studi della Tuscia. He currently serves as Senior Expert on International Relations at the Agency for Digital Italy – Presidency of the Council of Ministers (AGID). Since 2017 he is coordinating the Thematic Group on Emerging Technologies (AI & Blockchain) of the OECD Working Party of Senior Digital Government Officials (E-Leaders) and is a member of the OECD Expert Group on Open Government Data. In 2018 he was among the drafters of the Italian White Paper on the use of Artificial Intelligence at the service of the citizens. Last December he has been appointed

member of the United Nations Expert Group on the 'Role of public institutions on the transformative impact of new technologies' promoted by the UN Department of Economic and Social Affairs – Division for Public Institutions & Digital Government (DPIDG).

Enzo is also a Senior Research Fellow on international practices of digital governance at the Laboratory on Innovation and Artificial Intelligence of the University of Buenos Aires. Currently board member of Adriano Olivetti Foundation and a fellow at the European Center for International Affairs, he also served as research associate at the Center for International Conflict Resolution of Columbia University. Dr Le Fevre holds a Ph.D. in International and European studies with a focus on international law and theory of the state, an MA in International Relations (with honours), and a postgraduate specialization in International Law and Public Law in the fishery sector. He recently co-authored with Barbara Ubaldi the OECD Working Paper on *The State of the Art in the use of emerging technologies in the public sector* and published on *Artificial Intelligence and Work – Building a new employment paradigm* (co-authored with Juan Gustavo Corvalan and Luis Cevasco) and on *The application of the SDGs in the fisheries sector through the support of emerging technologies and DLT.*

Denis 'Jaromil' Roio

Founder & CTO, Dyne.org

🐦 **@jaromil**

Dr. Denis Roio, also known as Jaromil, is an activist, artist and software developer, founder of Dyne.org and creator of various free and open source software and operating systems. He is an early contributor to Bitcoin core, technical coordinator of DECODE and author of the crypto VM Zenroom.org

Alessandro Fusacchia

Member of Italian Parliament

🐦 **@FusacchiA**

Alessandro Fusacchia is an Italian member of Parliament, secretary of Movimenta, a new Italian political organization and a novelist. He is currently serving in the Chamber of Deputies as a member of the permanent commission on Culture, Science and Education and has promoted and established the Inter-parliamentary group on Artificial Intelligence. He has previously served as Head of Cabinet at the Italian Ministry of Education, University and Research (MIUR). He was Special Advisor to the Minister of Foreign Affairs for Economic Diplomacy (May 2013-February 2014) and Special Advisor to the Minister of Economic Development for European Affairs, Youth and Innovation (March 2012 – April 2013). Previously he was an official at the Council of the European Union dealing with global economic governance (G20/IMF). He has also worked for the Italian Prime Minister's office in Rome as part of the G8 team, as well as for the Italian Ministry of International Trade. He taught at the LUISS Guido Carlo School of Government in Rome and at the Institut d'Etudes Politiques in Paris. In 2007 he co-founded RENA, the Italian association of young professionals promoting innovation, merit, youth empowerment and a new generation of local public policies.

Monique Calisti

Chief Executive Officer, Martel Innovate

🐦 **@MoniqueCalisti**

Dr Monique Calisti is CEO at Martel Innovate, a dynamic Swiss-based company with more than 20 years' experience managing research and innovation projects across Europe and worldwide in the field of next generation internet technologies. Monique manages the company's business and leads its strategic development, combining her technical Artificial Intelligence and Telco background with consolidated entrepreneurial experience and excellent communication skills.

Monique is an accomplished and passionate speaker and authority in the areas of Next Generation Internet, IoT, Artificial Intelligence, 5G, Smart Cities, Horizon 2020 and European digital policy. She has spoken at numerous conferences in Europe and beyond including the Mobile World Congress, Four Years From Now, Digital Social Innovation Fair and the European Digital Assembly. Monique also gave a TEDx talk in Italian in early 2018 at Modena Salon about the relationship between human and digital.

Monique holds a Ph.D. in Artificial Intelligence from the Swiss Federal Institute of Technology of Lausanne and a Ph.D. in Telecommunications Engineering from the University of Bologna, Italy. She has authored and edited many publications including books and more than 50 scientific papers. She has also managed and participated in many successful R&D project proposals, leading the writing and submission of several of them.

Pablo Aragón

Research Scientist, Eurecat Barcelona

🐦 **@elaragon**

Pablo Aragón is a research scientist at the Data Science & Big Data Analytics unit in Eurecat and an adjunct professor at Universitat Pompeu Fabra. His research focuses on understanding social and political phenomena through the analysis of data from the Internet. He is particularly interested in characterizing online participation in civic technologies, the online network structures of grassroots movements and political parties, and the technopolitical dimension of networked democracy. Pablo is also a board member of Decidim and contributes to the DECODE project within the BarcelonaNow pilot that focuses on empowering citizens with interactive dashboards for urban data exploration.

Aik van Eemeren

Lead PublicTech, Chief Technology Office of the City of Amsterdam

🐦 **@aikvaneemeren**

Aik van Eemeren is the lead PublicTech at the Chief Technology Office of the City of Amsterdam, Leading Amsterdam's PublicTech program where they aim to experiment and implement new tech, make tech public and choose for human tech. In example working on Amsterdam's blockchain-pilots such as DECODE-prject.eu and kickstarting Amsterdam's AI-strategy.

He is also former director of the Dutch network for high level government officials.

Maria Savona

Professor of Innovation and Evolutionary Economics at SPRU, Science Policy Research Unit, University of Sussex

🐦 **@maria_savona**

Maria Savona is Professor of Innovation and Evolutionary Economics at SPRU, Science Policy Research Unit at the University of Sussex, UK. She was previously at the University of Cambridge, UK, Universities of Strasbourg and Lille 1, France. Her research focuses on the economics of innovation; the effects of technical change on employment and wage inequality; the structural change of the sectoral composition of economies, particularly the emergence of global value chains in services; economics and policy of innovation in services; barriers to innovation and innovation failures. More recently, she is interested in policies to redistribute data-value. She has led and co-led grants funded by the ESRC, Joseph Rowntree Foundation, EC H2020, IDRC. She has advised the IADB; ECLAC; UN ESCAP; OECD; NESTA; BEIS, DETI. She is an Editor for Research Policy; AE for the *Journal of Evolutionary Economics*. She is an Academic Member of the ESRC Peer Review College and in evaluation panels for the EC, National Research Councils of Canada, Finland, Luxembourg, Italy, Norway, UK, US. She is a former member of the High Level Expert Group on the Impact of Digital Transformation on EU Labour Markets for the European Commission.

Régis Chatellier

Innovation & Foresight Project Manager at Department of Technologies and Innovation, Commission Nationale de l'Informatique et des Libertés

🐦 **@el_Reg**

Régis Chatellier is the Innovation & Foresight Project Manager at Department of Technologies and Innovation – CNIL (French Data Protection Authority). He is a member of LINC (Laboratoire d'Innovation Numérique de la CNIL), the innovation and foresight laboratory of the CNIL, a triple project based on an online media (https://linc.cnil. fr / @LINCnil), a physical space, and a research and experimentation platform. In 2019, LINC publish its 6th Innovation and Foresight Report (*Shaping Choices in the Digital World, From dark patterns to data protection: the influence of UX/UI design on user empowerment*) which explores challenges related to the design of digital services. In 2017, LINC published a report on smart city and the need to restore the balance between public and private sphere, while respecting data protection.

Lorena Jaume-Palasí

Founder, The Ethical Tech Society

🐦 **@lopalasi**

Lorena Jaume-Palasí is the founder of The Ethical Tech Society, a fact- and theory based non-profit organization focused on automation and digitization processes with regards to their social relevance. Lorena's work centers on ethics and legal philosophy. In 2017 she was appointed by the Spanish government to the High Level Expert Council on Artificial Intelligence and Big Data and is a former member of the EU High Level Expert Group on Artificial Intelligence. She is one of the 100 experts of the Cotec Foundation for her work on ethics in AI and digitization. 2018 she was awarded the Theodor Heuss Medal *"for her contribution to a differentiated view of algorithms and their mechanisms of action"* with the Algorithm Watch initiative.

Neil Lawrence

DeepMind Professor of Machine Learning, University of Cambridge and the co-host of Talking Machines

🐦 @lawrennd

Neil Lawrence is the DeepMind Professor of Machine Learning at the University of Cambridge and the co-host of Talking Machines. Neil's main research interest is machine learning through probabilistic models. He focuses on both the algorithmic side of these models and their application. His recent focus has been on the deployment of machine learning technology in practice, particularly under the banner of data science.

Antonio Calleja-López

Researcher, Decidim, Democratic Innovation, Barcelona

🐦 @tecnopolitica_
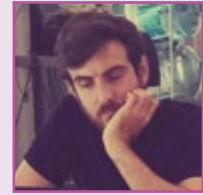
Antonio Calleja is coordinator of Tecnopolitica. net at the Internet Interdisciplinary Institute of the Open University of Catalonia. He holds a Phd in Sociology, a D.E.A. in Philosophy, and a M.A. in Political Science. He carries on applied research on the interactions between Science, Technology, and Society. Two of his current projects are Decidim and Decode. He has been a Fulbright fellow and is co-founder of Heuristica.barcelona and the Laboratory of Democratic Innovation.

Mara Balestrini

CEO, Ideas for Change

🐦 @marabales

Mara Balestrini is a Human Computer Interaction (HCI) researcher and a technology strategist. She is the CEO of Ideas for Change, an innovation agency advising cities, businesses and institutions. Mara's work sits at the intersection of civic technology, data, co-creation and Action Research. She has authored over 30 publications on these subjects and coordinated projects such as *Making Sense EU*, *Bristol Approach* and *#DataFutures*. Mara is also a co-founder of SalusCoop, the first Spanish cooperative for citizens' health data.Mara earned a PhD in Computer Science from the Intel Collaborative Research Institute on Sustainable Connected Cities (ICRI-Cities) at University College London (UCL). She also holds a BA in Audiovisual Communications and a MSc in Cognitive Systems and Interactive Media. She is Senior Faculty at the IAAC and a visiting lecturer at the the Royal College of Art (RCA). Her work has been awarded at ACM CHI, ACM CSCW, Ars Electronica, among others, and featured in international media such as the BBC, *The Guardian*, *The Financial Times* and *El País*.

Mar Santamaria Varas

Co-founder, 300.000 Km/s

Mar Santamaria Varas and Pablo Martinez Díez are the co-founders of 300.000 Km/s, an urban innovation office based in Barcelona that explores the potential of data and new computation paradigms to extract relevant information with the aim to improve urban planning and decision-making. Their interdisciplinary team works across the fields of urban analysis, cartography, strategic planning, development of digital tools, and digital humanities. In the last five years, they have collaborated with public entities, international firms, cultural and scientific institutions and non-profit organisations. 3000.000 Km/s projects have been recognized with various awards and mentions – among others BBVA-Civio Data Visualisation Award (2014), Open Data Institute Awards (2016), CityVis Prize (2017), Biennial Española de Urbanismo y Arquitectura (2018), LLuís Carulla Award (2018) and S+T+ARTS Prize (2019)- and have been exhibited at Ars Electronica, the Biennale of Venice, the Chicago Arts Institute, the Center of Contemporary Culture of Barcelona and Madrid CentroCentro, among others.

Holly Herndon

Musician

🐦 **@hollyherndon**

Holly Herndon has successfully mined the edges of electronic and Avant Garde pop since her arrival in 2012, and emerged with a dynamic and disruptive canon of her own. Born in the mountains of East Tennessee, she went from singing in church to enrolling in a German exchange program. Adopting Berlin as a second home, she cut her teeth performing in the city's clubs prior to attending Mills College. She utilized the laptop as *"the most intimate instrument,"* cultivating live voice processing systems and developing custom vocal patches to construct experimental pieces performed in realtime. She put those pieces into play on the likes of *Breathe* and *Dilato* from her full length debut, *Movement*. Researching platform politics for her phD at Stanford, she assembled her 2015 sophomore offering Platform. Telematic performance at Stanford fueled *DAO* and integrated custom sampling of daily activities online into the songcraft of *Chorus* and *Home*. As it sparked commentary on 'platform politics', Platform closed out 2015 by gracing year-end lists from Pitchfork, *The Guardian*, *NME*, and *The Wire*. Primarily composed alongside collaborators online, it was *"the first commercially released album to include a track intended to trigger autonomous sensory meridian response (ASMR)."*

Following the release, Radiohead handpicked her to open up its European tour. In 2019, she breaks ground again on her third full-length, PROTO. She fronts and conducts an electronic pop choir comprised of both human and A.I. voices over a musical palette that encompasses everything from synths to Sacred Harp stylings. CNN says Holly is *"shaping the future of A.I."* as she operates at the nexus of technological evolution and musical catharsis. The single *Godmother* [feat. Jlin and Spawn] introduces this next phase as she continues to pioneer.

Christopher Roth

Artist, Film-Director

🐦 **@htorchr**

Christopher Roth is an artist, film director and tv producer. In 2018, Roth co-launched space–time. tv, a web-platform with three stations: realty-v, s+ and 42. In the same year Architecting after Politics a 90-minute film premiered. *After The Property Drama* (2017) and *Legislating Architecture* (2016) it is the third film with *Brandlhuber+* about architecture and politics. *The Seasons in Quincy*, Four portraits on John Berger was in the official selection of the Berlinale 2016, and *80*81 What Happened*? (with Georg Diez) was published at Merve in the same year. The feature film *Baader* won the Alfred Bauer Prize in Berlin 2002. The feature film *Jean and Jeanne*. And *Otto* went into pre-production and will be shot in 2020. Christopher Roth teaches in the architecture department at ETH Zurich and is one of the curators of the German Pavilion in the Venice Biennale in 2020.

Ciro Cattuto

Scientific Director, ISI Foundation

🐦 **@ciro**
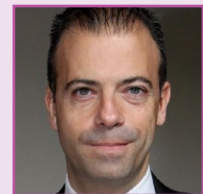
Ciro Cattuto is the Scientific Director of ISI Foundation, a non-profit research institute established in 1983 in Turin, Italy, pursuing basic and applied research in data science and complex systems. His research interests include data science, computational social science and public health. He holds a PhD in Physics from the University of Perugia, Italy and has carried out interdisciplinary work at the University of Michigan, USA, at the Enrico Fermi Center and Sapienza University in Rome, and at the Frontier Research System of RIKEN, Japan. He is a founder and principal investigator of the SocioPatterns project, an international collaboration on studying human social networks with wearable sensors. He is an an editorial board member of Scientific Data, EPJ Data Science, *Journal of Computational Social Science*, Data & Policy, and he has organized and chaired leading conferences in Computer Science,

Data Science and Complex Systems. He is deeply interested in the social impact of data science, and he was recently designated by the European Foundation Centre to join the Strategic Planning Committee of CRT Foundation.

Larisa Blazic

Artist

🐦 **@wheel_o_values**

Larisa Blazic is a London-based artist focusing on critical examination of digital technology, its impact on power relations, dominant narratives surrounding it and consequences of lack of ethical consideration and/or framework in the world of digital innovation. Over the past 20 years, Larisa has been combining hybrid interests ranging from creative use of the Internet to intersections of video art and architecture and has initiated, collaborated and participated internationally in projects ranging from net.art to FLOSS art and design.

Rob van Kranenburg

Founder, The Internet of Things

🐦 **@robvank**

Rob van Kranenburg is the Founder of Council_IoT and #iotday and the co-founder of bricolabs. Rob is featured in the Top 100 #IOT Influencers list and is the author of The Internet of Things. A critique of ambient technology and the all-seeing network of RFID, Network Notebooks 02 and Institute of Network Cultures. Together with Christian Nold he published *Situated Technologies Pamphlets 8: The Internet of People for a Post-Oil World*. He works in Next Generation Internet. He is a DeTao Master IoT.

Dan Hill

**Director of Strategic Design, Vinnova**

🐦 **@cityofsound**

Dan Hill is Director of Strategic Design at Vinnova, the Swedish government's innovation agency. A designer and urbanist, Dan's previous leadership positions have produced innovative, influential projects and organisations, ranging across built environment (Arup in Australia and UK, Future Cities Catapult in UK), education and research (Fabrica in Italy), government and social innovation (SITRA in Finland), and media (BBC iPlayer and Monocle in UK), each one transformed positively via digital technology and a holistic approach to design.

He is a visiting professor at UCL Institute for Innovation and Public Purpose in London, an adjunct professor at RMIT University in Melbourne, one of the Mayor of London's Design Advocates, and a member of the UCL Commission for Mission Oriented Innovation and Industrial Strategy. He is the author of *Dark Matter & Trojan Horses: A Strategic Design Vocabulary* (Strelka Press, 2012), as well as numerous pieces for other books, journals, magazines and websites.

Erika Widergren

Chief Executive, Re-Imagine Europa (RIE)

🐦 **@erika_widergren**
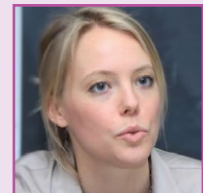
Erika Widergren is Chief Executive of Re-Imagine Europa (RIE), co-founded together with President Valéry Giscard d'Estaing with the aim to redefine how long-term policy and vision is developed using new technologies to foster a dynamic public discourse, collective intelligence and realistic solutions for the benefit of a stronger, fairer and more competitive Europe. Together with Professor Manuel Castells, she is leading the RIE Task Force on 'Democracy in a Digital Society' bringing together over one hundred experts from academia, policy, media, civil society and industry to develop a blueprint of what a European model
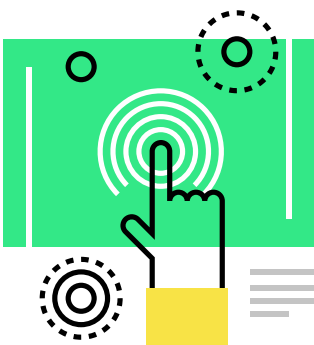
for the digital society could look like. Erika has been working in the field of understanding how digital technologies are impacting policy and public discourse for over a decade, has written and contributed to numerous articles and reports and is a frequent speaker and moderator at European conferences on these topics.

Yasmine Fage

Co-founder and Chief Operating Officer, Goggo Network

🐦 **@FageYasmine**

Yasmine Fage is the co-founder and Chief Operating Officer of Goggo Network, the new autonomous vehicle mobility start-up created with Martin Varsavsky about a year ago. She is passionate about bringing innovation and systemic changes to societies and has gathered over ten years of experience working with corporations and governments across the world in highly regulated industries such as Healthcare and Transportation. Previously, Yasmine was Associate Partner at McKinsey & Company in the New York office. She joined McKinsey & Company in 2009 and was a leader in the Public Sector and Innovation Practice. Yasmine obtained a Master's degree from the University of Sciences Po Paris and a Master's degree in Business Administration from the Columbia Business School.

Ben Cerveny

Founder, strategist, and designer, Foundation for Public Code

🐦 **@neb**

Ben Cerveny has served for over 25 years as a founder, strategist, and designer in the context of operating systems, media applications, web services, products, the built environment, and digital games. Currently, he is the President of the Foundation for Public Code, where he is working to help cities and other public organizations develop and share software and policy that is open, legible, and useful at the civic scale. Before this, he was a Design Fellow at Samsung, leading a project on room-scale programmable environments. Previously, he designed the massively

multiplayer game that became Flickr [and also named it], founded the Experience Design Lab at Frogdesign, and was CEO of Bloom Studios, whose data visualization iPad app Planetary was acquired by the Smithsonian Institution.

Caroline Nevejan

Chief Scientic Officer of Amsterdam

Caroline Nevejan is Chief Scientic Officer of Amsterdam. She is a researcher and designer who has been involved with the emerging network society and digital culture since the 1980's. Nevejan is a regular presenter at national and international fora. She is an advisor to national and European policy makers.

Katja Bego

Principal Researcher, Nesta

🐦 **@katjabego**

Katja Bego is a principal researcher and data scientist in Nesta's technology futures team. Her work focuses on studying the impact of emerging technologies such as AI on our societies, and how these new innovations can be harnessed for social good and for the benefit of everyone.

Katja is the coordinator of the European Commission-funded NGI Forward project, tasked with helping shape the strategy and policy agenda of the Next Generation Internet initiative, the EU's ambitious new flagship programme which seeks to build a more democratic, inclusive and resilient future internet by 2025, and previously also led the EU Engineroom project, also under the NGI umbrella. She regularly comments on topics relating to the future internet in outlets such as *Wired*, the BBC, *Financial Times* and *The Guardian*. Before joining Nesta, Katja worked as a data scientist in the private sector and as a researcher at the MIT Media Lab. She has a degree in economics and political science from Wellesley College in the US.

Jennifer Robinson

Human Rights Lawyer

🐦 **@suigenerisjen**

Jennifer Robinson has been instructed in human rights related judicial review cases, has advised individual and state clients in international law, appeared in the International Court of Justice and has given expert evidence at the UN and in Parliament. Jen has a particular focus on free speech and civil liberties, advising media organisations, journalists and whistle-blowers on all aspects of media law, including defamation, privacy, contempt, freedom of information, national security and reporting restrictions. Her work developing the Bertha Justice Initiative, a global program to support strategic public interest litigation and educate the next generation of human rights lawyers, allowed her to develop a unique global network and comparative perspective to her practice. Jen serves as a trustee of Article 19 and the Bureau for Investigative Journalism, as well as on the advisory board of the European Center for Constitutional and Human Rights. She is a founding board member of the Grata Fund, Australia's first independent public interest litigation fund, which has supported key strategic human rights cases.

Stefania Maurizi

Investigative Journalist, Journalist Repubblica

🐦 **@smaurizi**

Stefania Maurizi works for the Italian daily la Repubblica as an investigative journalist, after ten years working for the Italian newsmagazine l'Espresso. She has worked on all WikiLeaks releases of secret documents, and partnered with Glenn Greenwald to reveal the Snowden files about Italy. She has also interviewed A.Q. Khan, the father of the Pakistani atomic bomb, revealed the condolence payment agreement between the US government and the family of the Italian aid worker Giovanni Lo Porto killed in a US drone strike, and investigated the harsh working conditions of Pakistani workers in a major Italian garment factory in Karachi. She has started a multijurisdictional FOIA litigation effort to defend the right of the press to access the full set of documents on the Julian Assange and WikiLeaks case. She authored two books: *Dossier WikiLeaks. Segreti Italiani* and *Una Bomba, Dieci Storie*, the latter translated into Japanese.

Joseph Farrell

Journalist and Editor, Centre for Investigative Journalism

🐦 **@SwaziJAF**

Joseph Farrell is a British journalist and editor who has worked for the Centre for Investigative Journalism (where he currently serves as a board member), the Bureau of Investigative Journalism and WikiLeaks where he has been since 2010. He has been a section editor for many important WikiLeaks' publications including the Iraq and Afghan War Logs and Cablegate to name but a few. He was a member of the Civil Society Coalition at the United Nations' World Intellectual Property Organisation's diplomatic conference on a treaty for copyright exceptions for persons with disabilities in Marrakesh, Morocco. Farrell regularly appears on TV networks analysing the week's news headlines.

Geoffroy de Lagasnerie

Philosopher

🐦 **@gdelagasnerie**

Geoffroy de Lagasnerie is a philosopher and sociologist, and professor at the École Nationale Supérieure d'Arts de Paris-Cergy. He is the author of several books, articles pertaining to social and political philosophy and critical theory. He published *The Art of Revolt. Snowden, Assange, Manning* (Stanford University Press, 2017) and Judge and Punish (Stanford University Press, 2018˚).

Barbara Carfagna

Journalist and Anchor

🐦 @barbaracarfagna

Barbara Carfagna is an italian journalist. Anchorwoman for the most popular news broadcast TG1, author and anchor for Rai1 program *Codice* and reporter for 60 minutes documentaries on channel 1. She realized reportages in Africa, Singapore, Israel, Iceland, Switzerland, Emirates, Taiwan, Corea, Japan, Europe and Silicon Valley visiting the most advanced universities. Graduated in literature and philosophy, she focuses her reportages on how the internet is reshaping human nature and structures in the digital era (politics, economy, society). As influencer in cyber, she also writes for italian newspapers *Panorama*, *Il Foglio*, *Italiana*, *Formiche*. She is in the main Italian think tanks, as a follower and moderator and gives courses in Italian universities. In a previous life she was a violinist. As author for Mondadori she published *Rete di sicurezza* with the introduction of chief of Italian intelligence Alessandro Pansa and *Digital democracy – the second step*.

Paola Pisano

Minister of Innovation and Digitalization

🐦 @PaolaPisano_Min

Paola Pisano has been recently nominated the Minister of technological innovation and digitization of the Italian Government. She is the former Councillor for innovation and digitization of the City of Torino. She holds a PhD in Business Administration and she is Professor of Innovation Management at the University of Torino. She founded and directs the ICxT's innovation laboratory at the University of Turin and participates to the startup of ESCP Europe Business School in Torino. She has been visiting lecturer at GCU (Glasgow Caledonian University) London and at the University of Westminster, she published more than 80 papers on innovation and innovative business models.

Marco Zappalorto

Chief Executive, Nesta Italia

🐦 @MarcoZapp

Marco Zappalorto is the Chief Executive of Nesta Italia. Marco joined Nesta in 2011 and, before founding Nesta Italia, he headed the Foundation's European Development and contributed to the creation of the Challenge Prize Center, driving much of the Centre's European and international work. Before Nesta, Marco worked for OmniComplete (now Innocentive), directing the execution of competitions in various sectors for both the public and private sectors. He worked for the Chamber of Commerce and Industry in London, where he worked to advise small and medium-sized companies on European issues and opportunities. Marco is a specialist in European Political Economy at the London School of Economics and Political Science.

Evgeny Morozov

Writer, Technology Commentator

🐦 @evgenymorozov

Evgeni Morozov is a contributing editor at *The New Republic* and the author of *The Net Delusion: The Dark Side of Internet Freedom* and *To Save Everything, Click Here: The Folly of Technological Solutionism*. In 2010-2012 he was a visiting scholar at Stanford University and a Schwartz fellow at the New America Foundation. In 2009-2010 he was a fellow at Georgetown University and in 2008-2009, at the Open Society Foundations (where he also sat on the board of the Information Program between 2008 and 2012). Between 2006 and 2008 Evgeni was Director of New Media at Transitions Online. He has written for *The New York Times*, *The Economist*, *The Wall Street Journal*, *Financial Times*, *London Review of Books*, *Times Literary Supplement*, and other publications. His monthly Slate column is syndicaetd in *El Pais*, *Corriere della Sera*, *Frankfurter Allgemeine Zeitung*, *Folha de S.Paulo* and several other newspapers.

Izabella Kaminska

**Editor, Financial Times**

🐦 **@izakaminska**

Izabella Kaminska is the editor of FT Alphaville. She's been blogging and writing opinion pieces for the Financial Times since she joined the newspaper in October 2008, which was, perhaps, the best time in the world to become a financial blogger. (Added bonus: there was a free breakfast trolly.) Before that she worked as a producer at CNBC, a natural gas reporter at Platts and an associate editor of BP's internal magazine. She has also worked as a reporter on English language business papers in Poland and Azerbaijan and was a Reuters graduate trainee in 2004. She has focused much of her writing on finance, tech, commodities and media all come together.

Kevin Donovan

Lecturer in the Centre of African Studies, University of Edinburgh

🐦 **@kevindonovan**

Kevin P. Donovan is a Lecturer in the Centre of African Studies, University of Edinburgh. He studies the political economy of infrastructure and money in East Africa, including the digital data and debt.

Massimo Amato

History of Economic Thought and History of Financial Markets, Bocconi University
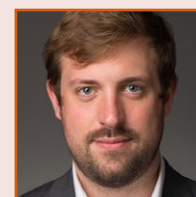
🐦 **@MassimoAmato9**

Massimo Amato teaches History of Economic Thought and History of Financial Markets at Bocconi University. He is director of the unit MINTS (Monetary Innovation, New Technologies, and Society) at Bocconi Research Centre 'Baffi-Carefin'. Among his books: *The End of Finance* (2012), *Saving Market from Capitalism* (2014), *For a Fistful of Bitcoins* (2019). His research focuses on the (dys)functioning and possible reform of

the monetary and financial system, at both global and local level. He is concerned with the problems of the Franc CFA, collaborating at its reform with African researchers and politicians. He designed a Local Complementary Currency for the city of Nantes (2011-2013), was a member of the French Ministerial Committee of Inquiry on CC (2014-2015), and of the Italian Ministerial Committee for a CC for bankruptcy auctions (2014-2015). In 2012, he launched the proposal of a transformation of the Target2 System into a European Clearing Union, which has also become the central issue of his electoral program as a candidate for the EU elections in 2019.

Andres Arauz

Economist

🐦 **@ecuarauz**
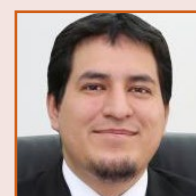
Andres Arauz is a former Minister of Knowledge of Ecuador and a former Central Bank Director during Rafael Correa's administration. While at the Central Bank, he worked with cooperatives to democratize the national payment system and designed the first Central Bank issued digital currency. He was one of the founding directors of the Bank of the South and led the citizens' audit of the international investor-state arbitration system. Currently, he leads the Dollarization Observatory, about money and technology, government procurement, development planning macroeconomics, illicit financial flows and the hegemony of financial capital. He is currently based in Mexico City, working on his PhD in Financial Economics at UNAM.

Rohan Grey

Research Director, Digital Fiat Currency Institute

🐦 **@rohangrey**

Rohan Grey is a doctoral candidate at Cornell Law School, where his research focuses on the legal design and regulation of digital fiat currency. He is the founder and president of the Modern Money Network, research director of the Digital Fiat

Currency Institute, and a network manager of the FreedomBox Foundation. He also consults with the International Telecommunications Union's Focus Group on Digital Currency, and previously co-authored a white paper for eCurrency Mint, Ltd. on *The Macroeconomic Implications of Digital Fiat Currency*.

Brett Scott

Author

@suitpossum

Brett Scott is an author, journalist and financial campaigner. He is the author of *The Heretic's Guide to Global Finance: Hacking the Future of Money* (2013), and collaborates with a wide range of groups on monetary systems, banking reform, alternative currencies, financial activism, digital finance, blockchain technology, hacker culture, and technology politics.

Tommaso Valletti

Professor of Economics, Imperial College Business School and University of Rome

@TomValletti
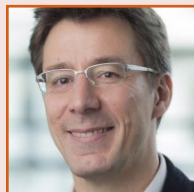
Tommaso Valletti is Professor of Economics at Imperial College Business School and Professor of Economics at the University of Rome 'Tor Vergata'. Tommaso is currently the Head of the Department of Economics & Public Policy at Imperial College Business School. He was the Chief Competition Economist of the European Commission (Directorate General for Competition) between September 2016 and August 2019. Tommaso's main research interests are in industrial economics, regulation, and telecommunications economics. He is a Fellow of CEPR and of ENCORE. He is a member of the panel of academic advisors to Ofcom, the UK communications regulator. He was a member of the panel of academic advisors of the UK Competition Commission. Tommaso was Academic Director of the Centre for Regulation in Europe in Brussels, in 2012-2016. He was a board director of Consip, the Italian Public Procurement

Agency, in 2002-2005. He has advised numerous bodies, including the European Commission, OECD, and the World Bank on topics such as network interconnection, mobile telephony markets and spectrum auctions..

James Meadway

Economist

@meadwaj

James Meadway is former chief economic advisor to Labour Party Shadow Chancellor John McDonnell and oversaw the development of Labour's anti-neoliberal economic agenda under Jeremy Corbyn, including the promotion of decentralised and collectively-owned approaches to the digital economy. James was previously chief economist at the New Economics Foundation, an independent think tank based in London, and has taught at City, SOAS, Sussex and Cambridge Universities in the UK. He is currently writing a book on economics for the many, to be published early next year.

Alexey Ivanov

HSE-Skolkovo Institute for Law and Development

Alexey Ivanov leads the HSE-Skolkovo Institute for Law and Development (ILD), the research division of the leading Russian University Higher School of Economics, in its academic and strategic pursuits. ILD conducts interdisciplinary research in order to identify optimal policy strategies for the transformation of Russia's legal framework and the global institutions to which it connects. Mr Ivanov has guided the HSE-Skolkovo joint venture since its inception. As an Associate Professor at the HSE University Law School, Alexey is teaching the course Antitrust in the New Economy. Alexey serves as a Head of the BRICS Competition Law and Policy Centre (http://www.bricscompetition. org/), whose aim is to provide the meeting point for BRICS competition law research and to promote

a distinct BRICS competition law agenda for the global economy. Mr Ivanov is an Academic Supervisor of Centre for Technology Transfer of the Higher School of Economics that ensures the implementation of projects aimed at developing competition in the Russian agrotechnology sector.

For many years, Mr Ivanov has served as Director for Legal Policy and Social Development at the Skolkovo Foundation, the Russian Innovation Agency, and has contributed heavily to the adaptation of legal environment to the needs of the rapid technological development.

Ivanov has graduated with honors the Russian State University for Humanities (undergraduate), the Russian Presidential School for Private Law (Master of Laws), and the Harvard Law School (Master of Laws), and is awarded by the President of Russia with the Medal of the Order 'For Merit to the Fatherland'.

Paul F. Nemitz

Principal Advisor, Directorate General for Justice and Consumers

🐦 **@paulnemitz**

Paul F. Nemitz is the Principal Advisor in the Directorate General for Justice and Consumers. He was appointed by the European Commission on 12. April 2017, following a six year appointment as Director for Fundamental Rights and Citizen's Rights in the same Directorate General. As Director, Nemitz led the reform of Data Protection legislation in the EU, the negotiations of the EU – US Privacy Shield and the negotiations with major US Internet Companies of the EU Code of Conduct against incitement to violence and hate speech on the Internet. Nemitz has represented the European Commission in numerous cases before the European Court of Justice and has published widely on EU law.

Anna Masera

Public Editor, La Stampa

🐦 **@annamasera**

Anna Masera is public editor of the Italian daily La Stampa, where she has worked since 1999 as web editor and social media editor, with a two-year leave of absence as spokesperson at the Italian House of Representatives in Rome in 2014-2015. She has also been Director of the Master Degree in Journalism (a two-year program) at the University of Turin since July 2016. She is co-author of *Internet, i nostri diritti (Internet, our rights)*, published by Laterza in 2016. She graduated from Yale University with a BA in History in 1983 and from Columbia University with an MA in Journalism in 1984.

Amelia Andersdotter

Former EU MEP, Article19

🐦 **@teirdes**

Amelia Andersdotter has worked on the intersection of technology and policy over 10 years. She is currently oriented towards hardware standards, privacy and security, but has in the past been an MEP representing the Swedish Pirate Party and a popular lecturer on data protection in Sweden. Her educational background is in mathematical statistics and law, and she uses free software since 2003 (including on her phone!).

Bruce Sterling

Writer

🐦 **@bruces**

Bruce Sterling, author, journalist, editor, and critic, was born in 1954. Best known for his ten science fiction novels, he also writes short stories, book reviews, design criticism, opinion columns, and introductions for books ranging from Ernst Juenger to Jules Verne. His nonfiction works include *The hacker crackdown: law and disorder on the electronic frontier* (1992), *Tomorrow now: envisioning the next fifty years* (2003), *Shaping things* (2005), and *The epic struggle of the internet of things* (2014).

Juan Carlos De Martin

Professor of Computer Science and Digital Culture, Polytechnic of Turin

🐦 **@demartin**

Juan Carlos De Martin is full professor of the Polytechnic of Turin (Italy) where he teaches computer science and digital culture and where, since March 2018, he serves as Rector's Delegate for Culture and Communication. Since 2011 he has also been associated with the Berkman Klein Center for Internet & Society at Harvard University, first as Faculty Fellow and now as Faculty Associate. Between 2007 and 2011 Juan Carlos De Martin was the coordinator of COMMUNIA, the European thematic network on the digital public domain, with 50 members from Europe and overseas. In 2012 he edited, together with Melanie Dulong de Rosnay, the book *The Digital Public Domain: Foundations for an Open Culture* (OpenBookPublishers, UK), while in 2017 he published a book on the future of university in the

Internet age, *Università Futura – Tra Democrazia e Bit* (Codice Edizioni, 2017). Between 2014 and 2018 De Martin served as an expert member of the Study Commission on Internet Rights established by the President of Italy's Chamber of Deputies. Juan Carlos De Martin also serves as member of the Scientific Board of the Institute of the Italian Encyclopedia Treccani. He is an op-ed contributor to the national newspaper *La Repubblica* and he often acts as a commentator in Italian media.

Edoardo Reviglio

Head of International and European Projects, Cassa depositi e prestiti

Edoardo Reviglio is Head of International and European Projects at Cassa depositi e prestiti (CDP), Rome. He is professor of economics at LUISS Guido Carli in Rome and President and faculty member of International University College of Turin. He has been a member of the Council of Economic Advisers of the Italian Ministry of Economy and Finance. He is one of the co-authors and chairman of the WG on finance of the Prodi report on investing in social infrastructure. He has a considerable and recognised experience in research and external relations representing CDP in international institutions (UN, G20, G7, OECD, EU) and worked extensively with them. He is in the Board and Scientific Committee of several Think Tanks at national and international level. He received his BA, Summa Cum Laude, from Yale College; was Senior Fellow at Department of Mathematics of Yale University; and Research Associate at the Department of Mathematics of Imperial College, University of London. He is the author of many scientific and policy publications.

His field of interest include: public finance, banking and finance, law and economics, and economic history.

decode

Paul Mason

Journalist and Author

🐦 @paulmasonnews

Paul Mason is a journalist, writer and broadcaster. Formerly economics editor with both BBC Newsnight and Channel 4 News he now writes regularly for the *New Statesman*, *Guardian*, *Freitag* and *Le Monde Diplomatique*. His latest book is *Clear Bright Future: A radical defence of the human being*.

Luca De Biase

Founder and Chief Innovation Editor, Nova24 – Il Sole 24 Ore

🐦 @lucadebiase

Luca De Biase is Editor-in-Chief of Nòva24 (which he founded in 2005 and led until June 2011; and which he is leading again since July 2013), innovation Editor of Il Sole 24 Ore. He is Knowledge Management Visiting Professor at Pisa University; member of the Scientific Committee at the Master in Sciences Communications at Sissa Trieste; Co-founder of the association ItaliaStartup. Luca has authored several books and scientific articles including: *Media civici. Informazione di mutuo soccorso* (2013), *Homo pluralis* (2015), *Come saremo, with Telmo Pievani* (2016) and *Il lavoro del futuro* (2018).

Roberto Mangabeira Unger

Philosopher and Politician, Harvard Law School

🐦 @mangabeiraunger

Roberto Mangabeira Unger is is one of the leading philosophers and political thinkers in the world today. He is a Brazilian philosopher and politician who is Professor at Harvard Law School. He was the Brazilian Minister of Strategic Affairs under

Presidents Lula and Dilma Roussef. He has developed his views and positions across many fields including legal theory, philosophy and religion, social and political theory, progressive alternatives, and economics. In *The Knowledge Economy* he applies to the analysis of our economic present and future a way of thinking prefigured in his earlier book, *Free Trade Reimagined: The World Division of Labor and the Method of Economics*, as well as in his central work in social theory, *False Necessity*.

Robert C. Hockett

Cornell Law Faculty

🐦 @rch371

Robert Hockett joined the Cornell Law Faculty in 2004. His principal teaching, research, and writing interests lie in the fields of organizational, financial, and monetary law and economics in both their positive and normative, as well as their national and transnational, dimensions. His guiding concern in these fields is with the legal and institutional prerequisites to a just, prosperous, and sustainable economic order.

A Fellow of the Century Foundation and regular commissioned author for the New America Foundation, Hockett also does regular consulting work for the Federal Reserve Bank of New York, the International Monetary Fund, Americans for Financial Reform, the 'Occupy' Cooperative, and a number of federal and state legislators and local governments.

Prior to doing his doctoral work and entering academe, he worked for the International Monetary Fund and clerked for the Honorable Deanell Reece Tacha, Chief Judge of the U.S. Court of Appeals for the Tenth Circuit.
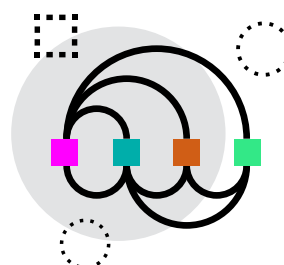
Ann Pettifor

Director, Policy Research in Macroeconomics (PRIME)

🐦 **@AnnPettifor**

Ann Pettifor is best known for her prediction of the *Great Financial Crisis in The Coming First World Debt Crisis* (Palgrave 2006). In 2008 co-authored *The Green New Deal* published by NEF. In 2017 Verso published *The Production of Money* on the nature of money, debt and the finance sector. She is the author of *The Case for The Green New Deal* (forthcoming, 2019). In 2018 the Heinrich Boll Foundation awarded Pettifor the Hannah Ahrendt Prize. She is a Council member of the Progressive Economy Forum and director of PRIME economics – a network of Keynesian macroeconomists. In 2015 the Rt.Hon Jeremy Corbyn MP appointed her to the Labour Party's Economic Advisory Committee. She has an honorary doctorate from the University of Newcastle for her work leading an international movement for the cancellation of $150bn of debt owed by 35 low income countries, Jubilee 2000.

Brian Eno

Musician

🐦 **@brianeno**

Brian Eno is a musician, producer, composer, thinker, multimedia artist, technologist and essayist. Eno changed the course of the history of sound over the last four decades with his visionary talent and amazing creative abilities. The list of artists Eno has collaborated with throughout his long career is simply mind-blowing: from Robert Fripp or Laurie Anderson to U2, Coldplay and even legends such as David Bowie or Talking Heads. There are very few music genres in which his imprint is not reflected, but he particularly contributed to shape a new genre that is still alive and constantly morphing: ambient music.

Throughout his inspiring career, Eno bolstered his ideas in multiple directions in art. In particular, he has worked in the field of sound and audiovisual installations, anticipating trends such as vertical video and generative sound and image. His huge contribution to the reflection and cultural analysis of our time –in terms of science, technology, art and culture– in conferences, essays, articles and interviews, eventually converge in a question he has been asking himself for years: *"What difference does it make to the world?"*

John Thornhill

Innovation Editor, Financial Times

🐦 **@johnthornhillft**

John Thornhill is the Innovation Editor at the *Financial Times* writing a regular column on the impact of technology. He is also the founder of the FT125 forum, which holds monthly events for senior business executives, and host of Tech Tonic, the FT's weekly podcast on technology.

John was previously deputy editor and news editor of the FT in London. He has also been Europe editor, Paris bureau chief, Asia editor, Moscow correspondent and Lex columnist.

Andrea Orlando

Italian Member of Parliament

🐦 **@AndreaOrlandosp**

Andrea Orlando is an Italian Member of Parliament, and Deputy Secretary of the Democratic Party. He served as Minister of Justice from 2014 to 2018, first in the Renzi Cabinet and later in the Gentiloni Cabinet. Before that, Orlando served as Minister of Environment in the Letta Cabinet from 2013 to 2014. He is one of the founding members of the Italian Democratic Party.

Conference room speakers

(In order of participation)

Jordi Buj

Dribia

🐦 @jordibuj

Alexandre Pólvora

Policy Analyst and Researcher, EU Policy Lab

🐦 @discomplex

Pol Colomer

Co-founder, Dribia

🐦 @PolColomer

Alex Puig

Caelumlabs

🐦 @alexpuig

Andrea D'Intino

Project manager, Dyne.org

🐦 @Andrea_DIntino

Antonio Tenorio-Fornés

Decentralized Science

🐦 @p2pmod

Puria Nafisi Azizi

Social innovation designer, Dyne.org

🐦 @pna

Tom Fuerstner

RiddleAndCode

🐦 @tomfuerstner

Sander Van der Waal

Waag

🐦 @sandervdwaal

Alex D'Elia

Mangrovia

🐦 @acmesh

Alessia Borge

Mangrovia

🐦 @MangroviaLab

Joris van Hoboken

Leuven & Vrije Universiteit Brussels

🐦 @jorisvanhoboken

Roberto Sanlorenzo

Merits

Andrea Gadotti

Imperial College London

🐦 @AndreaGadotti

Julia Kloiber

Managing Director, Superrr and Partner, Ashoka Germany

🐦 @j_kloiber

Valentina Pavel

Mozilla Fellow

Mike Scott

Developer, MIRACL

🐦 @miracl

Sylvie Delacroix

Birmingham Law School

🐦 @SylvieDelacroix

Sofia Celi

Centro de Autonomía Digital

🐦 @claucece

Kamal Ajji

Paris2 Pantheon Assas University

🐦 @Kamel_21M

Seda F. Gürses

Leuven & Vrije Universiteit Brussels
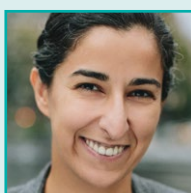
Javier Ruiz Diaz

Open Rights Group

🐦 @OpenRightsGroup

Fabrizio Leoni

Infocert

🐦 **@InfoCert_it**

Andre Kudra

Esatus

🐦 **@esatus_SeLF**

Mirko Ross

Asvin
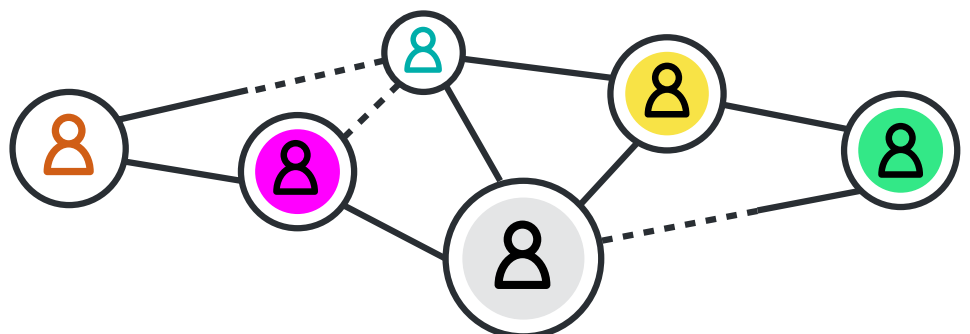
🐦 **@mirko_ross**

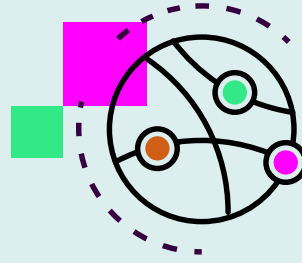## Simon Descarpentries

Siltaar

Safia Akkus

CTO Innovation Team Amsterdam

Exhibitors

Prosume

Prosume provides utilities, aggregators and technology providers the blockchain software and support necessary for their product and solution offering to end-users, allowing them to regulate energy data management, trace all data flows and rest assured that all information provided is 100% verifiable and secure.

Meta-Press.es

Explore the press from your computer using Meta-Press.es, with no middlemen between the newspapers and you. Discover millions of results within seconds, and explore the ten last ones of each newspaper in Firefox via this addon. You can also filter results (by newspaper, date or a sub-query), or select some to create a press review and export it in RSS format.

Meta-Press.es is a free software project building an alternative to Google News for journalists and associations. It's developed by Simon Descarpentries (member of the French net neutrality defense association La Quadrature du Net and web artisan) with already a few contributors. It have been backed by the WAU Holland Foundation. Any kind of contribution will be warmly welcome.

asvin.io

asvin (Sanskrit): The Healer of Gods

It's our mission to heal the broken security in the Internet of Things.

asvin.io provides a distributed ledger secured update solution for the Internet of Things. IoT vendors and operators can organizing the distribution of updates from sender to the IoT devices via asvin.io cloud solution.

Caelum Labs

Caelum Labs is a blockchain development company based in Barcelona. Its members work together to develop the best prototypes and ideas for businesses and public administrations, solving problems and addressing new challenges of the industry and society.

The world's only user-friendly, single step Multi Factor Authentication (MFA) and Digital Signing service suitable for deployment to large desktop and mobile userbases.

MIRACL

Using the MIRACL Core Library and a Zero Knowledge Proof (ZKP) protocol - no personal data is ever stored or transmitted. This eliminates the risk of password database breaches, man-in-the-middle, phishing, credential stuffing & bot attacks.

Usability is paramount, no additional user enrolment steps are required and users authenticate and sign using a PIN. Without the requirement for hardware, mobiles or fiddly second steps, your users will love the simplicity and you will appreciate the reduction in support and maintenance overheads.

Eliminate the need for outdated security practices such as passwords, SMS Texts, push notifications and key-cards. See: miracl.com/miracl-trust-multi-factor-authentication

MIRACL Core® Library

A multi-lingual and architecturally agnostic Cryptographic library that supports elliptic curve cryptography, pairing-friendly curve cryptography, RSA, AES symmetric encryption and hash functions. All code is entirely in the supported high-level languages. No assembly language and no third party code is required - these libraries are completely self- contained. MIRACL Core was designed from the ground up with side-channel attack resistance in mind. Multiple curves can be supported in a single application. See: github.com/miracl/core

Decentralized Science

Through disruptive distributed technologies such as Blockchain, we both enable decentralization and relieve the pains of traditional publication processes. This is accomplished by providing a reputation system of peer reviewers that will improve quality and ensure faster reviews and distribution, helping editors, reviewers and authors.

Merits

Merits is a platform that helps all actors of society to develop an economy where financial prosperity is compatible with ecological sustainability and social harmony at local and global level. We empower individuals and firms in their will 'to give back to society' and create participative welfare models. The key tools for generating social innovation are local, complementary currencies used to reward corporate and individual social responsibility. We implemented a pilot project with the municipality of Milano in 2018 – 2029 where the merits tokens have been used to reward refugees that have been volunteering in cleaning the periphery of the city. The merits, given to the refugees to reward their commitment to the community, were used as a voucher to buy goods and services at local shops. The system is conceived to reward any kind of behaviour and it creates strong synergy between public institutions, not for profit sector and business community transcending the concept of CSR and creating high social impact marketing solutions.

SeLF by esatus AG

SeLF allows you to integrate the Self-Sovereign Identity into your infrastructure without modifying your legacy IT-applications, directories or management systems. SSI credential-based access rules (CrBAC) transform the new technology into authentication and authorization objects that can be synchronized and used by conventional technologies like SAML or LDAP.

InfoCert

InfoCert (Tinexta Group), the largest Qualified Trust Service Provider (QTSP) in Europe, presents DIZME, the revolutionary Digital Identity platform based on blockchain technology, designed and created to integrate SSI (Self-Sovereign Identity) with eIDAS regulatory compliance, thereby combining the respective benefits, that is, a distributed digital identity with full legal validity.

DIZME is the Domain-Specific Network based on the Sovrin framework, a US non-profit foundation established to promote the self-sovereign vision. InfoCert is a Founding Steward of the Sovrin Trust Framework.

Interoperability – between SSI and the TRUST services defined by the eIDAS regulation – is made possible by the dual role of InfoCert, which acts not only as Founding Steward of the Sovrin Network (as well as DIZME Governance Authority) but also as a QTSP in accordance with eIDAS regulation.

The benefits for economic operators using DIZME are numerous and tangible. for example, banks and financial institutions can 'share' KYC (Know Your Customer) credentials, collected for anti-money laundering regulations (AML), and reuse them, avoiding the repetition of burdensome procedures, facilitating the acquisition of new customers, making it easier to subscribe services and much more. This scenario can be replicated in any industry with similar needs, such as telco, utilities, and insurance.

Tom Fuerstner (riddle and code)

We build hardware and software stacks, bringing trusted identity to objects and people.
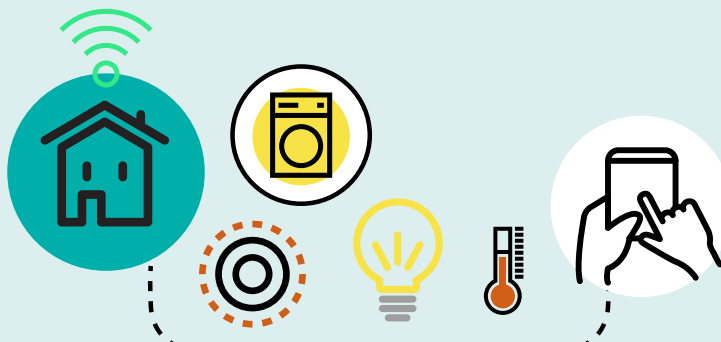
decode

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European Commission