DECODE Symposium, November 5-6 2019
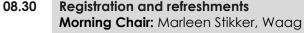## Our data, our future:
Technologies for a democratic digital society
Turin, La Centrale Lavazza

decode

DAY ONE: NOVEMBER 5
DECENTRALISED TECH FOR DIGITAL SOVEREIGNTY

08.30	**Registration and refreshments** **Morning Chair:** Marleen Stikker, Waag **Afternoon Chair:** Geoff Mulgan, Nesta
09.30	**Welcome and opening** Francesca Bria, DECODE Olivier Bringer, European Commission Marco Pironti, Deputy Mayor for Innovation, Turin
09.45	**Blockchains for Social Good: First results from the EU prize and related initiatives** Fabrizio Sestini, European Commission
10.00	**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	**The DECODE Ecosystem - Tools for citizens' data sovereignty** Denis Roio, Dyne.org Pablo Aragon, Eurecat, Barcelona Aik van Eemeren, Amsterdam City

11.15	**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	**Comfort break, networking and exploring the showcase**		
12:00	**Main Stage** **A New Deal on Data: Towards Viable Solutions** Maria Savona, Sussex University Régis Chatellier, Commission Nationale de l'Informatique et des Libertés Lorena Jaume-Palasí, Algorithm Watch Mara Balestrini, Ideas for Change **Chair:** Antonio Calleja López, Decidim, democratic innovation, Barcelona	**Room 1 (1st Floor)** **DECODE App: How to add your service to DECODE's PET (privacy-enhancing technology) ecosystem** The DECODE App used in the DDDC pilot is the result of the collaboration between teams from 5 different EU countries and includes blockchain, cryptography, web and mobile technologies. The app is modular, easy to extend and enables developers to easily integrate a zero-knowledge proof flow with an existing web service. Presented by: Jordi Buj and Pol Colomer, Dribia	**Room 2 (1st Floor)** **Decentralisation, DLTs, blockchains** **[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, Dyne.org
13.30	**Lunch break- networking, and exploring the showcase**		
14:00	**Main Stage**	**DECODE Tech Sessions (Room One - 1st Floor)** **BarcelonaNow: how to setup the BCNNow Dashboard and add a new service for DECODE's PET ecosystem and integrate with the DECIDIM democracy platform**	**Tech Talks (Room Two - 1st Floor)** **Decentralisation, DLTs, blockchains** **[Masterclass] Software Agents and Code Migration in Zenroom** Tom Fuerstner, RiddleAndCode

		The BCNNow dashboard was developed by Eurecat with the collaboration of the Barcelona municipality, Dyne.org, Thingful and SmartCitizen: it serves as a configurable visualization dashboard for anonymized data-sets, received and processed in real time. • Presented by: Pablo Aragón, Eurecat, Barcelona	**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:** Puria Nafisi, Dyne.org
15.00	**The Role of STARTS (Science, Tech and the Arts) for a Human-centric Digital Future** Mar Santamaria Varas, 300000 kms, winner STARTS Prize 2019 Holly Herndon, Musician Christopher Roth, Artist, film-director Larisa Blazic, Artist, Vertigo STARTS Residency **Chair:** Marleen Stikker, Waag	**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 a true multi-platform environment. Zenroom also enables *Coconut's* offline zero-knowledge proof (zk-SNARKS) authentication flow used in Facebook's Libra. • Presented by: Andrea D'Intino, Denis Roio and Puria Nafisi, Dyne.org	**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, TU Delft & 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	**Europe's Digital Sovereignty: How Do We Get There?** Rob van Kranenburg, Internet of Things Council Dan Hill, Vinnova Erika Widegren, Reimagine Europa	**Claim Verification 18+: setup and deploy the passport scanner and authentication platform** The 18+ pilot uses zero-knowledge proof cryptography to allow citizens to prove their	**Tools and rules for Data Commons -** Presentations and discussion **Data Rights model and how can it be achieved** Valentina Pavel, Mozilla fellow

Yasmine Fage, Goggo Network
Ben Cerveny, Foundation for Public Code
Caroline Nevejan, City of Amsterdam

Chair: Katja Bego, Nesta

age without showing their ID card. The pilot uses an easily deployable, offline passport and ID scanner that produces a cryptographically signed credential, delivered as a QR code. The user's and verifiers apps can work offline as well, after a setup is done.

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Presented by: Sander Van der Waal, Waag

My reputation is your reputation: how to improve people's capacity to check companies' trustworthiness
Kameal Ajji, Paris2 Pantheon Assas University

Jaya Klara Brekke, Durham University

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

17.00	**Networking and exploring the showcase**	**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

Meta-Press.es, the decentralized press search engine
Simon Descarpentries, Siltaar

Chair: Rob van Kranenburg, IoT Council

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

Jennifer Robinson, Human Rights Lawyer
Stefania Maurizi, La Repubblica
Joseph Farrel, Center of Investigative Journalism
Geoffroy de Lagasnerie, Philosopher

Chair: Renata Avila, Fundación Ciudadanía Inteligente

19:30

DAY TWO: NOVEMBER 6TH 2019
BEYOND BIG TECH: DEMOCRATIZING THE KNOWLEDGE ECONOMY IN THE TIMES OF THE CLIMATE EMERGENCY

Main chair for the day: Barbara Carfagna, RAI

09.00 **Registration and breakfast**

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

10.15 **Setting the Scene: Our Technological Future Beyond Techno-Nationalism and Techno- Globalism**
Evgeny Morozov, Author

10.30 **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 **Lunch break, networking and exploring the showcase**

14.00 **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 **Reconquering digital sovereignty: DECODE and beyond**

15.40	**Putting Data, Platforms and AI under Democratic Control** Paul Mason, Journalist and Author Amelia Andersdotter, Article19, former EU MEP Bruce Sterling, Writer Juan Carlos de Martin, Nexa Center for Internet & Society, Politecnico di Torino Edoardo Reviglio, Cassa Depositi e Prestiti Geoff Mulgan, Nesta David Cuartielles, Arduino **Chair:** Luca De Biase, Il Sole 24 Ore
17.00	**Refreshments and networking**
18.00	**Democratizing the Knowledge Economy in the Times of the Green New Deal** A debate with of Roberto 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
19.30	

(Agenda subject to change)