

BUILDING THE INTERNET OF HUMANS

18-19 MAY 2021

Event Moderator: **Dan Sobovitz**, *Founder of spreadable.io, #Tech4Good Evangelist*

18 MAY 2021 9:00 - 13:00	
09:00 – 09:15	Welcome and introduction to the NGI Forum 2021
09:15 – 09:30	Opening Speech <ul style="list-style-type: none"> Thierry Breton, <i>Commissioner for the Internal Market at European Commission</i>
09:30 – 10:00	Keynote: "Vision of the future internet" <ul style="list-style-type: none"> Andrew S. Tanenbaum, <i>Professor at Vrije Universiteit, Amsterdam</i>
10:00 – 10:50	NGI State of Play <ul style="list-style-type: none"> Michiel Leenaars, <i>Director of Strategy at NLnet Foundation, Coordinator of NGI ZERO</i> Elen Eisendle, <i>CEO and Co-Founder of Fully Automated</i> Klaas Wierenga, <i>Chief Information & Technology Officer GÉANT</i> <p>Moderator: Monique Calisti, <i>Director NGI Outreach Office, CEO Martel Innovate</i></p> <p>The Next Generation Internet initiative set out the European Commission's ambition to support the development of the technologies of the future Internet around people's needs and European values and norms. In the last two years, it has supported more than 600 Internet researchers and innovators involved in more than 400 projects, covering a wide range of technology areas. This panel discussion will crystallise where we stand on building a human-centric Internet, the key strengths of the NGI funding model, the gaps to be filled and areas for improvement to deliver on the NGI vision during the Digital Decade.</p>
10:50 – 11:05 Coffee break - Speed dating	
11:05 – 11:15	SHOWCASE INNOVATIONS - Internet architecture Innovators' pitches introducing "Internet architecture"
11:15 – 12:05	Internet architecture <ul style="list-style-type: none"> Adrian Perrig, <i>SCION, Professor, Network Security Group, ETH Zurich</i> Ruben Verborgh, <i>Professor of Decentralized Web technology at IDL ab, Ghent University - imec</i> Mirja Kühlewind, <i>Master Researcher at Ericsson Research, Herzogenrath, Germany; Chair of the Internet Architecture Board (IAB) in the IETF</i> <p>Moderator: Mirko Presser, <i>Associate Professor and Deputy Director of the Centre for Business Development at Aarhus University, Coordinator of NGI POINTER</i></p> <p>The global Internet has evolved over time and today it is supported by a combination of centralised, networked and device-based technologies. When designing the future Internet, a key challenge is to review the current Internet architecture to ensure it supports a more resilient, secure, privacy-preserving and green Internet. This panel discussion will address the "hot topics" that accompany upgrading the Internet infrastructure, such as making security and privacy a key feature of the future Internet; ways to increase network performances and make the Internet more energy efficient; and the choice between centralised and decentralised models.</p>
12:05 – 12:55	The Open Source Model <ul style="list-style-type: none"> Sachiko Muto, <i>Chief Executive Officer of OpenForum Europe</i> Roberto Di Cosmo, <i>Founder and CEO of Software Heritage</i> Piotr Król, <i>CEO at 3mdeb Embedded Systems Consulting and LPN Plant</i> <p>Moderator: Gijs Hillenius, <i>European Commission OSPO (Open Source Programme Office)</i></p> <p>Often considered as a guarantee of security and privacy, open source is as much a design model as a "philosophy" underpinning the development of digital technologies. Today, open source software is the basis of a myriad of products, powering 86% of smartphones, 67% of public servers, 75% of embedded systems. Open source is also used in the development of new hardware solutions, a sector that promises to grow dramatically in the coming years. Open source is at the heart of many NGI projects and it will continue to play an important role in the future NGI agenda. This session will look into the main trends in open source, future prospects and the contribution NGI can make to open source and the open source community.</p>
12:55 – 13:00	Program of the next day

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Network with NGI innovators
on B2Match

19 MAY 2021 9:00 - 13:00	
09:00 – 09:05	Welcome to Day 2
09:05 – 09:20	Keynote: "European policy for a future Internet of Trust" <ul style="list-style-type: none"> Eva Kaili, <i>Member of the EU Parliament and Chair of the STOA</i>
09:20 – 09:30	SHOWCASE INNOVATIONS - Internet of Trust Innovators' pitches introducing "Internet of Trust"
09:30 – 10:20	Internet of Trust <ul style="list-style-type: none"> Alyssa Ross, <i>Software developer and Researcher at Spectrum</i> Markus Sabadello, <i>Editor at W3C DID WG</i> Colin Wallis, <i>Executive Director at Kantara Initiative Inc, NGI TRUST</i> <p>Moderator: Nicole Harris, <i>Head of Trust and Identity Operations, Géant, NGI TRUST</i></p> <p>At the heart of the NGI human-centric vision for the future Internet lies the objective to increase security and privacy for end-users so they experience a trustworthy online environment. This is backed by the rules that the EU has set in the areas of data protection, cybersecurity and electronic identity, some of which are currently being reviewed to make them fit for the Digital Decade. This panel discussion will address how NGI can, in the coming years, continue supporting an "Internet of trust", by developing new technologies and data governance models for increased trust, privacy and user-control of data and contribute to a trusted digital identity ecosystem.</p>
10:20 – 11:05	Digital Principles <ul style="list-style-type: none"> Antoine Vergne, <i>Co-director at Missions Publiques</i> Gemma Carolillo, <i>Deputy Head of Next Generation Internet Unit at European Commission</i> Katja Bego, <i>Principal Researcher at Nesta, Coordinator of NGI FORWARD</i> <p>Moderator: Dan Sobovitz, <i>Founder of spreadable.io, #Tech4Good Evangelist</i></p> <p>The Digital Decade Communication, issued by the European Commission on 9 March 2021, sets out the vision and the plan for Europe's digital transformation by 2030. In this context, the Digital Principles should help shape future Digital Citizenship and drive action by EU decision makers – who will sign an inter-institutional declaration by the end of this year – to ensure that EU values are upheld in the digital space. The session will contribute to the wider consultation process of the European Commission on the formulation of the proposed digital principles (such as universal access to Internet services, keeping a secure and trusted online environment and ethical principles for human-centred algorithms) with a focus on the Internet as the main driving force of the future economy and society.</p>
11:05 – 11:20 Coffee break - Speed dating	
11:20 – 11:45	NGI in Horizon Europe - Work programme 2021-2022 <ul style="list-style-type: none"> Jorge Gasós, <i>Next Generation Internet, DG CONNECT, European Commission</i>
11:45 – 11:55	SHOWCASE INNOVATIONS - International Innovators' pitches introducing NGI "international" explorers
11:55 – 12:40	NGI International <ul style="list-style-type: none"> Dan Kilper, <i>Professor at Trinity College Dublin and University of Arizona</i> Peter Van Daele, <i>Professor at Ghent University - IMEC, coordinator of Fed4FIRE+</i> Ana Bevc, <i>Trace Labs - Food Data Marketplace - Privacy and Trust Enabling Data Marketplace for Sustainable Supply Chains, NGI Atlantic.eu</i> <p>Moderator: Iwa Stefanik, <i>Project manager F6S, Coordinator of NGI Explorers</i></p> <p>Building a human-centric Internet does not stop at the EU borders. This is why international collaboration plays an increasingly important role in the NGI agenda. The current successful cooperation with the US in areas such as privacy, trust and decentralised data governance will be further strengthened and new collaborations with key international partners will be launched in the next programming period. This session will discuss the state of play and opportunities for international collaboration in the field of Internet technologies.</p>
12:40 – 13:00	Awards for NGI innovator pitches and community future <ul style="list-style-type: none"> Pearse O'Donohue, <i>Director for the Future Networks Directorate of DG CONNECT, European Commission</i>



This event is funded by the European Commission

The event is organized by NGI Outreach Office (NGI4ALL) led by Martel Innovate with Funding Box and Tipik. NGI4ALL project is funded by the EU's Horizon 2020 programme under Grant Agreement number 825354.





BUILDING THE INTERNET OF HUMANS | WORKSHOPS

17 MAY 2021

Self Sovereign Identity. Trust in NGI A pre "NGI Forum" event organised by NGI Forward project

11:00 – 12:00 and 14:00 – 15:00

This workshop has two parts. A webinar with short presentations (60 min) and a general discussion on Big Blue Button for participants to contribute (60 min). Topic is online trust, based on Self Sovereign Identity frameworks funded in NGI projects. International interest in digital identity management and SSI is growing globally.

Moderators: **Gaëlle Le Cars** and **Rob van Kranenburg**, NGI Forward

11:00 – 11:05	Opening by Loretta Anania , European Commission
11:05 – 11:15	Primavera de Filippi , CNRS, 'Self-Sovereign Identity in a Globalized World: Credentials-Based Identity Systems as a Driver for Economic Inclusion' How combining blockchain-based cryptocurrencies and SSI contributes to promoting privacy as well as greater economic inclusion.
11:15 – 11:20	Daniel Du Seuil , Convenor of the European Self Sovereign Identity Framework within the European Blockchain Partnership This partnership of 30 EU member states and related countries cooperate in the establishment of an interoperable infrastructure (EBSI) that supports the delivery of cross-border digital public services, with highest standards of security and privacy.
11:20 – 11:25	Irene Hernandez , Founder and CEO of Gataca (ESSIF Lab subproject) Gataca has built three components to connect a more secure digital ID ecosystem. Aims to help issuers transform their CREDENTIALS into IDENTITY wallets in the customers' mobile phones. This will connect and access a range of digital services, from e-government to car sharing.
11:25 – 11:30	Caspar Roelofs , Founder of Gimly Blockchain Project (ESSIF Lab subproject) Gimly's focus is on self-sovereign identity and secure data exchange as pivotal building blocks for the future of internet, supply chain, finance, and health care.
11:30 – 11:35	Michael Kubach , Team Identity Management at Fraunhofer IAO, TRAIN (ESSIF Lab subproject) The trust management architecture that TRAIN enables more secure, trustable digital interactions. At the same time a classical hierarchical CA-type structure is avoided – limiting fraud, chaos and the pure dominance of the economically strongest actors in the system.
11:35 – 11:45	Gordana Halavanja , Co-founder of Co-operating.systems (NGI Trust subproject) The world faces complex and interrelated issues that can only be addressed by real-time secure digital co-operation between diverse organisations. How can we enable effective co-operation between autonomous actors and institutions without sacrificing digital sovereignty? The answer is a new kind of open source/open standards platform, with a unique social enterprise driving its development.
11:45 – 11:50	Jaya Klara Brekke , Founding member of Magma Collective (NGI LEDGER subproject) Dr Jaya Klara Brekke will speak on SSI in relation to two EC projects: CoBox and Nym (which also has EC roots through the Panoramax and DECODE projects).
11:50 – 11:55	We inventaris the remarks and questions in the chat.
11:55 – 12:00	Closing by Loretta Anania , invitation for all to join the discussion session on Big Blue Button.



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18 MAY 2021

How to make data portability go mainstream? Organized by DAPSI project

14:00 – 15:00

The right to data portability was considered one of the most important novelties within the EU General Data Protection Regulation. An opportunity to give the power of personal data back to people's hand and fuel competition. But users still demand more practicality associated with the rules. Five experts and innovators in the field discuss how data portability can go mainstream.

Moderator: **Michiel de Jong**, Ponder Source, DAPSI's Advisory Board Member

- **Alejandro Russo**, *Opella project*
- **Tom Haegemans**, *UI-Transfer project*
- **Hans-Joerg**, *OpenXPort project*
- **Mehdi Medjaoui**, *ALIAS project*

Next Generation Internet Technologies for Green Digital Transformation Organized by NGI4ALL (NGI Outreach Office) project

14:00 – 15:00

The environmental cost of the Internet has been dramatically growing in recent years. The internet consumes electricity on end users' devices, in data centres and in communication networks that transfer data. According to recent studies, the total electricity consumption of its infrastructure only (networks and data centres, without consumer devices) is around 500 TWh per year that is 2.5% of worldwide electricity. Besides the negative impact due to the huge energy consumption, the environmental footprint of the Internet also accounts for the production, use and disposal of its infrastructure and the massive proliferation of connected things (25-50 billions by end of 2021). Next generation internet technologies, from core to access networks, from the physical to the application layer, must become greener, both in the way they are developed and in the way they are deployed. This calls for all stakeholders to be engaged in redefining the way we use and consume internet technologies. This workshop will gather researchers and innovators that are at work to ensure transitioning to a safer, better resilient and more sustainable internet.

The main objective of this workshop is to voice some of the most significant efforts within the NGI Community that through their work are paving the way to a greener Internet, while advocating for an increased focus on understanding and studying the environmental footprint of Internet technologies.

Moderator: **Dr Monique Calisti**, CEO at Martel Innovate, NGI Outreach Office, NGI4ALL

- **Dr. Loretta Anania**, *European Commission, Directorate-General for Communication Networks, Content and Technology Next Generation Internet*
- **Prof Adrian Perrig**, *ETH Zurich, NGI Innovator*
- **Dr Giovanni Rinasca**, *Digital for Planet, NGI Ambassador*
- **Chris Adams**, *The Open Green Web*

How are NGI Research and Innovation Actions working towards creating a more human centred internet? Organized by POINTER, LEDGER, eSSIF-LAB and ASSURE projects

14:00 – 15:00

Like the pieces of a puzzle, each of the Innovation Actions participating in NGI are working towards the same common objective: foster developments that contribute to a more Human Centric Internet. But, what do we understand by Human Centric and how is each project approaching it in practice? How can we inspire the audience to adopt this approach?

Each of the participants will provide their perspective on how their field of work contributes to this objective including trust (eSSIF-LAB), decentralised technologies and blockchain (LEDGER & ASSURE), or the development of the Internet's architecture itself via new tools and protocols (POINTER), whilst keeping European values at the core.

- **Mirko Presser**, *NGI POINTER*
- **Dr. M. Oskar van Deventer**, *eSSIF-LAB*
- **Michiel Leenmans**, *NGI zero*
- **Andrés Sánchez**, *LEDGER*
- **Jaya Kiara Brekke**, *Magma Collective, Cobox*

Software ecosystems for trust management Organized by TRUBLO and ONTOCHAIN projects

15:00 – 17:00

Trust is a key property specific to human-to-human interactions. As software becomes ubiquitous and pervasive it provides an interface between the inherently untrusted physical and virtual world (e.g. sensors, data, algorithms), on one side, and the trusted world of blockchains, where everything happens based on a wide consensus.

ONTOCHAIN and TruBlo are two NGI projects where the focus is to advance the State-of-the-Art. Both projects have funds to support ideas from European researchers, developers and teams from startups and SMEs and build software ecosystems for trust management in different business scenarios.

Moderators: **Vlado Stankovski**, ONTOCHAIN, and **Mirko Lorenz**, TruBlo

15:00 – 15:05	Welcome words
15:05 – 15:15	Introduction of projects • Vlado Stankovski , ONTOCHAIN • Mirko Lorenz , TruBlo
15:15 – 15:45	Functional components • Story 1: Trusted knowledge management • Story 2: Decentralised Oracles Anthony Simonet, <i>Research Scientist - IExec / Blockchain Tech</i> • Story 3: Tokenomics Haidien Zerah, <i>Adoption Manager / Nomadic Labs</i>
15:45 – 16:15	EU Blockchain infrastructure • Story 4: Quality of Service and sustainability Tadej Slapnik, <i>Director - Tolar HashNET / State Secretary in the office of Prime Minister of Slovenia</i> • Story 5: Decentralised Identities Jack Tanner, <i>GIMLY</i> • Story 6: Scalability: Blockchain, graphs Artem Barger, <i>Manager, Blockchain Technology Platforms IBM Research</i>
16:15 – 16:45	Use cases • Story 7: Trusted content, timestamping of content Sebastiaan van der Lans, <i>WordProof</i> • Story 8: Provenance, part-tracing Ian Taylor, <i>Professor - Notre Dame / CTO at SIMBA Chain</i> • Story 9: Reputation Thanasis Papaioannou, <i>Senior Researcher Athens University of Economics and Business</i>
16:45 – 17:00	Q&A and Discussion

Regaining control over our devices: Building open hardware chips in Europe Organized by NGI ZERO

15:00 – 17:00

Europe has been losing market share in the semiconductor industry with chip production down to 10% of world production. And at the same time, semiconductor chips are at the heart of a the majority of modern technology and form a core part of today's society. This forms a vulnerability for European industry, security and sovereignty and affects European society at many fundamental levels. One potential path forward to address these issues is to apply the economics of Open Source to the domain of semiconductor design and manufacture.

The NGI initiative has been supporting various promising initiatives working towards free and open chips built on free and open design software that is accessible also to small entities. Open hardware chips provide trust through transparency, and permission-free innovation and digital sovereignty through distributed knowledge. During the workshop we will look into a number of ongoing efforts, and discuss where to go next. The session is split across two blocks. The first hour covers the state-of-the-art (and thus our current starting position), the second looks towards a future EU silicon ecosystem built on free and open technologies.

Moderator: **Rob Taylor**, *Librecores/Chipflow*

15:00 – 16:00	Open hardware projects funded by NGI Zero • Thomas Kramer for LibreEDA , <i>libre-software framework for physical design of digital integrated circuits</i> • Staf Verhaegen for Chips4Makers ASICs , <i>ASIC production flows compatible with reciprocal licensed blocks using a libre licensed software flow</i> • Luke Kenneth Casson Leighton for Libre-SOC , <i>development of libre-licensed hybrid 3D CPU-GPU-VPU</i> • David Lanzendörfer for LibreSilicon , <i>open source semiconductor manufacturing process standard</i> • Xianjun Jiao for OpenWiFi , <i>open source Wi-Fi chip design</i> • Charles Papon for SpiralHDL , VexRiscv , SaxonSoC , <i>design tools and facilities to develop open source system-on-chip optimized for FPGA</i>
16:00 – 17:00	Panel discussion • Bunnie Huang , <i>Developer, activist and writer on open hardware and reverse engineering (Bretusted, Precursor, Novena)</i> • Phil Christle / Maria Martinez Valado , <i>business and technology strategy director / R&D project leader (R&D hub in nanoelectronics and digital technologies imec)</i> • Olof Kindgren , <i>Director of the FOSSI foundation, RISC-V ambassador and CHIPS Alliance member</i>

8 sentences to stimulate the appetite of your audience Organized by TETRA and NGI4ALL (NGI Outreach Office) projects

15:00 – 16:30

This learning experience is composed by three modules:
• Presentation on the Art of Pitching.
• Presentation of the unique selling points.
• Interactive session for specifying one's unique selling point and tweaking their skill of presenting their project/product in the process of raising funds.

This learning experience is designed to prepare for a pitch. The game is presented with a video scenario that shows a situation where the innovator is in line for lunch and has the opportunity to be close to an investor. He/she has one minute to convince why his/her idea, service or product is so good. After the scenario the participants are invited to structure one minute pitch using only eight very focused key sentences. The participants will have an online canvas (using the MIRO tool) to structure their 8 sentences:

- Who is our target
- What is the problem
- How is it magical
- What do we offer
- What we do
- What is our solution
- Who we are
- Call to action

The last part of the learning experience bridges the pitch with the definition of the USP: the participants are invited to look out of the box to find something really unique about their product / service, compared to the competitors.

Speakers:
Susanna Albertini and **Louis Ferrini**, *FVA new media research (NGI TETRA)*
Philipp Felix, *From Tipik (NGI4ALL)*

Showcasing results of the NGI EU-US enhanced ecosystem of top researchers, innovators, and policy stakeholders. Organized by NGI ATLANTIC, NGI EXPLORERS and THINK-NEXUS projects

17:00 – 19:30

The workshop is organized by three EU-funded projects with the main objectives to bridge, expand and sustain a cross continents Research & Innovation collaboration on NGI, involving relevant stakeholders. The event will include pitching & awards ceremony for the NGI Explorers, followed by showcasing NGI Atlantic research collaborations, and closing by discussions with NGI EU and US stakeholders on R&I collaboration perspectives for NGI delivered by Think-NEXUS.

Speakers:
Iwa Stefanik, *NGI Explorers Project Coordinator, F6S Funded Explorers and Jury panel*

Part 1	<p>Pitching event & award of the 12 EU-US projects represented by European researchers and innovators directly working with US interdisciplinary, tech-driven collaborative groups in the following domains: AI, Cybersecurity, Cloud/Edge Computing, IoT, 5G; and verticals: health, smart cities and buildings, network security and connectivity, smart transport, and tourism. List of the funded projects:</p> <ul style="list-style-type: none"> • Knowledge transfer between buildings with different levels of sensorization using transfer learning techniques for the realization of smart buildings. EU-US team: <i>University of Murcia, Spain & Embry-Riddle Aeronautical University</i> Explorer: <i>Aurora Gonzalez</i> • New methods and algorithms for increasing cybersecurity in Blockchain Technology. EU-US team: <i>Wroclaw University of Science and Technology, Poland & Embry-Riddle Aeronautical University</i> Explorer: <i>Michal Kedziora</i> • RF Spectrum Deep Inside. EU-US team: <i>KU Leuven, Belgium & University at Albany</i> Explorer: <i>Erma Perenda</i> • Sense-Share-Select: distributed collaborative Internet gateway selection algorithm. EU-US team: <i>The Polytechnic University of Catalonia, Spain & The George Washington University</i> Explorer: <i>Khulan Batbayar</i> • Scale-up KPI Explorer. EU-US team: <i>National University of Ireland, Galway & National Institute of Standards and Technology</i> Explorer: <i>Martin Serrano</i> • Dynamic evolution of mobile traffic data around the world. EU-US team: <i>University Carlos III of Madrid, Spain & MIT</i> Explorer: <i>Cristina Marquez</i> • Automated Firmware Crawling, Firmware Virtualization and Honeyfarm Deployment of IoT Devices. EU-US team: <i>SBA Research, Austria & Global Cyber Alliance</i> • VES - Virtual Ecosystem for Safety & Security. EU-US team: <i>RKL Integral, Spain & Veoci</i> Explorer: <i>Inaki Eguena</i> • SafeMode US expansion. A collaboration between <i>SafeMode, Israel & Embry-Riddle Aeronautical University</i> Explorer: <i>Ido Levy</i> • US Router. EU-US team: <i>Eumourous Ltd, Bulgaria & Stevens Institute of Technology</i> Explorer: <i>Zlatko Zahariev</i> • Evaluation and identifying challenges of EYemmersive® for live and on-demand VR tours using 5G technologies. EU-US team: <i>Kerckhoffs Ltd, UK & Stevens Institute of Technology</i> Explorer: <i>Selvakumar Ramachandran</i> • Enabling High-accuracy Heart-Monitoring Wearable Devices using Embedded Artificial Intelligence. EU-US team: <i>Spark Works ITC Ltd, Italy & Northwestern University</i>
Part 2	<p>Category 1. Experimental Platform Interconnection</p> <p>Open call 1</p> <ul style="list-style-type: none"> • CacheCash Experiment. EU-US team: <i>Sorbonne Université, France – Pi: Timur Friedman;</i> <i>NYU Tandon School of Engineering – Pi: Justin Cappos;</i> <i>US Ignite – Pi: Rick McGeer</i> • Experimental Study of Context Based Routing Using Deep Reinforcement Learning. EU-US team: <i>Rheinisch-Westfälische Technische Hochschule (RWTH) – Pi: Haris Krema;</i> <i>Rutgers, the State University of New Jersey – Pi: Aven Seskar</i> <p>Open call 2</p> <ul style="list-style-type: none"> • CloudBank EU Experiment. EU-US team: <i>CERN – Pi: João Fernandes;</i> <i>University of California San Diego – Pi: Dr. Vince Kellen</i> • Integrating OpenIreland and COSMOS testbeds for delivering a cross-Atlantic Open Networking Solution. EU-US team: <i>TCD – Pi: Prof. Marco Ruffini;</i> <i>Polytechnic University of Milan – Pi: Prof. Massimo Tornatore;</i> <i>University of Arizona – Pi: Dr. Daniel Kilper;</i> <i>Rutger University – Pi: Ivan Seskar</i> <p>Category 2. Privacy and Trust Enhancing Technologies</p> <p>Open call 1</p> <ul style="list-style-type: none"> • Food Data Marketplace. Privacy and Trust Enabling Data Marketplace for Sustainable Supply Chains. <i>Prosper d.o.o. (brand name: Trace Labs) - trace4alls - Pi: Ana Bevc;</i> <i>Kakavi Inc. (US) – Pi: Adam Smith</i> <p>Open call 2</p> <ul style="list-style-type: none"> • P2PR2P experiment. EU-US team: <i>Danaides.org – Pi: Félix Blanc;</i> <i>Sciences Po Toulouse – Pi: Stephanie Lamy;</i> <i>Clemson University – Pi: Pr. Richard Brooks</i> • NextDE - Enabling the Next Generation P2P/Data Economy experiment. EU-US team: <i>ILVO – Pi: Panagiotis Ilias;</i> <i>ChangeTheBlock – Pi: Alan Dragulicov;</i> <i>IdPaaS Inc – Pi: Eric Eva-Gandola</i> <p>Category 3. Decentralised Data Governance</p> <p>Open call 1</p> <ul style="list-style-type: none"> • Self-Certifying Names for Named Data Networking. EU-US team: <i>Athens University of Economics and Business - Research Centre (AUJB) – Pi: Prof. George C. Polyzos;</i> <i>The University of Memphis (UofM) – Pi: Prof. Christos Papadopoulos</i> • fairform EU experiment. EU-US team: <i>fairform, Austria - Pi: Dr. Roland Alton;</i> <i>Rocket.Chat (US) - Pi: Sing Li</i> <p>Open call 2</p> <ul style="list-style-type: none"> • Decentralized data ecosystem for the Open Blockchain for Asset Disposition Alliance. EU-US team: <i>Technical University of Catalonia – Pi: prof. Leandra Navarro;</i> <i>Obada LLC – Pi: Rohi Sukhria; University of Reno – Ronald S. Lemke</i> <p>Category 4. Discovery and Identification Technologies (better search and discovery)</p> <p>Open call 1</p> <ul style="list-style-type: none"> • Measuring Multi-Carrier Cellular Access International Roaming Performance. EU-US team: <i>University Carlos III of Madrid (UC3M), Telefonía Research (TID), Spain – Pi: Marcelo Bagnulo;</i> <i>Northwestern University – Pi: Fabian E. Bustamante</i>
Part 3	<p>Panel on EU - US technological collaboration for a human-centric internet Horizon Europe</p> <p>Moderation: Marc Pattinson, <i>Think NEXUS</i></p> <ul style="list-style-type: none"> • EU-US R&I collaboration perspectives for NGI - US Think - Tank (Think-Nexus / NCIatlantic.eu, NGI Explorers can provide EU-US stakeholders to the panel) Key idea: during think NEXUS developments, key Experts from EU-US exchanged upon technologies upon which future bridges to be created for enabling co-construction of the future of the Internet. This session would enable 3-5 Experts to pitch certain techs / domains identified during the previous project workshops (e.g. AI, Machine learning; cloud at the edge) for which cooperation between both side of the Atlantic, under appropriate frameworks, should happen. Based on these presentations, the moderator could make the attendee reacts to these and further refine the key recommendations to provide to the EC in its next endeavours. • A smooth transition to Horizon Europe (European Commission, National Science Foundation) Presentation by the EC / NGI Unit over the next HEurope Calls related to EU-US cooperation and further commenting on the technologies from the panel session.



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FED4FIRE+ Free testbeds for the NGI Innovators

Organized by FED4FIRE+ project

14:00 – 15:00

Fed4FIRE+, a federation of testbeds for hands-on experimentation, allows innovators to access to its wide federated facilities to execute tests on a variety of technologies with a single access all around the world. Moreover, experimenters can apply for funding to support their experiments by submitting a proposal to Fed4FIRE+'s Open Calls. This webinar will:

- present an overview of Fed4FIRE+ federated testbeds
- describe the main features of the Fed4FIRE+ Testbed portal: JFed tool
- present success stories from Open Call participants
- present the 9th Open Call and Continuous Call for SME & NGI Experiments

Speakers:

- **Prof dr. Ir. Peter Van Daele**, Fed4FIRE+ Project Coordinator, imec - Ghent University, IDLab
- **Daniele Miorandi**, CEO of U-Hopper, FED4FIRE+ innovator
- **Paulo Marques**, AllBeSmart, FED4FIRE+ innovator
- **Dr Brecht Vermeulen**, Fed4FIRE+ Technical Coordinator, imec - Ghent University, IDLab

Conscious connectivity: imagining a more sustainable future internet

Organised by NGI Forward project

14:00 – 15:00

We're experiencing an unprecedented – and likely unsustainable – proliferation of connected devices, services and data. Although technology grows smaller, we may soon see its impact exceed our planetary and cognitive boundaries. Do we risk sleepwalking into a future where the escalating socio-environmental costs of technology force us into data rationing, internet curfews and bandwidth-shaming? Or can frugal innovation, conscious connectivity and smart policy save the day? Join us for an interactive workshop in which we explore new data, identify emerging trends and contemplate strange futures.

Following a brief introduction to the topic, where project partners present interesting findings, trends and questions on the relationship between the internet and sustainability, we invite participants to engage in a series of interactive group exercises. We will discuss what the world might look like if politicians, businesses and citizens had to make more conscious decisions about connectivity, our data and the devices we use. Participants will be asked to consider difficult trade-offs, predict winners and losers, and think through a series of unexpected consequences that could range from the emergence of a new class system on the internet to urban mining booms and net-zero stock bubbles.

- **Katja Bego & Markus Droemann**, Nesta
- **Kristóf Gyódi & Michał Paliński**, DELab, University of Warsaw
- **Alberto Cottica**, Edgeryders
- **Ida Anthonj Nissen**, Aarhus University
- **Dr Giovanni Rimassa**, Digital for Planet, NGI Ambassador

How to be memorable in an online pitch?

Organised by TETRA project

14:00 – 14:30

What is the difference between live and online pitching? Make your online presentation memorable.

- Videos of good/bad examples
- Tips about communicational attitudes, setting and body language
- Checklist for an online pitch

Speakers:

Susanna Albertini and **Louis Ferrini**, FVA new media research (NGI TETRA)

NGI Trust – 6th Results Webinar: Showcasing privacy and trust enhancing technologies

Organised by NGI TRUST project

15:00 – 17:00

The NGI Trust Webinar series is an opportunity for a series of the NGI Trust innovators to present their results and talk about the future plans for the projects. This event showcases 5 of funded projects and give an opportunity for comments and reflections from coaches and mentors and the wider NGI community.

Speakers:

Alasdair Reid, Principal Researcher - Policy Director European Future Innovation System Centre (EFIS)
Jean-Luc Dorel, Programme Officer, European Commission

The Project Managers of 5 third party projects funded:

- **CryptPad SMC**, Xwiki SAS
- **CUBBIT**, Cubbit - Gianluca Granero
- **MQ2M**, TU Delft - Joshua Slater
- **SID:SO&C**, 7Signals OU - Elena Tairova
- **COP-MODE**, Joao P. Vilela



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