

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> Alina Khayretdinova, <i>Senior Researcher, University of Stuttgart, DECIDE project (TBC)</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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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>W3C's co-chair DID (TBC)</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> Luciano Floridi, <i>Professor of Philosophy and Ethics of Information; Director of the Digital Ethics Lab of the Oxford Internet Institute (TBC)</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 – 11:30	SHOWCASE INNOVATIONS - International Innovators' pitches introducing NGI "international" explorers
11:30 – 12:15	NGI International <ul style="list-style-type: none"> Prof. Dan Kilper, <i>University of Arizona (TBC)</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>
12:15 – 12:40	NGI in Horizon Europe - Work programme 2021-2022 <ul style="list-style-type: none"> Jorge Gasos, <i>Next Generation Internet, DG CONNECT, European Commission</i>
12:40 – 13:00	Community Future and Wrap-up <ul style="list-style-type: none"> Pearse O'Donohue, <i>Director for the Future Networks Directorate of DG CONNECT, European Commission</i>

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