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SpeakNGI.eu

Citizen-driven open consultation on Next Generation Internet

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D4.2 – SPEAKNGI.EU REPORT FROM 1ST EVENT

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1.0	30.04.2018	Jim Clarke, Paul Malone (WIT)	Final review for submission.

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Executive Summary

By focusing on the NGI offer and opportunities, the 1st SpeakNGI.eu workshop on 27 March 2018 in Milan helped to shape future directions for EU human-centric values to thrive under a new and multi-faceted approach to EC funding and stakeholder engagement.

Take-away #1 - A forum for new NGI innovators: The workshop was an example of how new and diverse players can become part of the NGI community in a multi-disciplinary, multi-organisational approach to building the next generation internet. It was the first workshop to highlight the many opportunities to engage with the NGI through a compelling, collective offer driven by SpeakNGI.eu, NGI Move, Engine Room, and Hub4NGI.

Take-away #2 - Driving a new internet for the next generation: NGI needs to be the catalyst for disrupting the current Internet, driving new approaches on how we can make the internet less centralised and controlled by the few to a more open internet. Technology should be driven by societal values to frame the use of the next generation of Artificial Intelligence, security, privacy and trust components. Several EU values were explored during the workshop:

- **Open data for societal purposes**. NGI should consider the use of open data for a useful purpose and not just for making money; for example, making something smart for all of society, as well as the use of open source hardware and software and edge computing approaches for connecting people in innovative ways.
- **Control over data**: In the NGI, we must focus both on control of our data as well as control of our identity, which is ever increasingly being centralised by a few large organisations, which delimits OUR control.
- **Privacy as a fundamental EU right**: The NGI should look at innovative ways of creating a privacy data market place, where privacy is a fundamental human right, while ensuring added value for EU businesses. In other words, when privacy is understood as control over one's own data, it can also mean sharing of information based on a conscious choice for other societal benefits.

  The EU should be lauded on GDPR as the landscape of the identity world is fraught with potentially large abuses of valuable personal data in a centralised landscape, if not addressed aggressively through regulation.
- **New wave of innovations**: BLOCKCERTS, the Open Standard for Blockchain Certificates, is a good example of NGI, where the underlying goal is to enable a wave of innovation that gives individuals the capacity to possess and share their own official records. For ongoing development, this open-source project actively encourages other collaborators to get involved so this would be a good opportunity for the involvement of NGI communities.

Takeaway #3 – an offer adopting a new approach to EC funding: The Commission is trying to accomplish "New things done in new ways!" with NGI. It is expected that NGI will be a main pillar within the Multi-Annual Financial Framework (MFF) programme in the post H2020. In NGI, we are reaching out to the hard-to-reach stakeholders that wouldn't normally involve themselves in EU framework

programmes, including high tech SMEs and start-ups, and even individuals can participate. The available components of NGI were highlighted during the workshop.

- **Consultation Platform and Knowledge Base**: the NGI consultation platform offers a place for innovators from research, SMEs and start-ups to discuss, debate and put forward ideas for a novel programme of developing a human centric next generation internet. Through its knowledge base, the project regularly moderates, collates and reports the information into an open platform available to proactively capture the inputs from the multi-stakeholders in the NGI communities.
- **Recognition of innovation**: The NGI Awards[1] is an initiative of the NGI Move project to highlight new role models in the NGI communities. There are different categories of awards, including NGI Start-up awards and NGI Researcher awards. The awards will be open from April to September 2018. After a selection process, the awards will be distributed during 4YFN 2019 in February 2019. The NGI Move project is organising NGI salons across Europe involving not only technologists but also artists and curators. Please get involved in the salons and the NGI awards. Follow the events at https://www.ngi.eu/events/.
- **The NGI Online map**: The NGI Map is a unique opportunity for innovators in the NGI space to highlight their expertise and their work. The map is designed for start-ups, SMEs, research groups and other organisations who can contribute to socio-technical developments. The aim is to help identify the many and diverse players with a potential to shape the NGI.
- **Research topics Work Programme 2019**: EngineRoom presented the nine key NGI topics of high interest for the NGI Work Programme 2019 based on their findings and consensus building recent event, Reimagining The Internet – Building Radical New Alternatives For A More Democratic Future Internet, held at NESTA, UK, on 21st March 2018.

Takeaway #4 – new synergies established to extend engagement: The media sector, which stretches across creativity, technology, and business with many micro-SMEs, has many links with NGI and is a key driver for innovation in the internet. The workshop was an opportunity to take forward synergies with the NEM Technology platform (NEM) and its working group on NGI. Another synergy is linked to EURODOC, the European Council for Doctoral Candidates and Junior Researchers. Universities have a strong role to play in education on values and digital rights, looking at ways that all of society can benefit equally. Ethics should take precedence over pure money-making tactics in educating students. This kind of education, including the digital rights, should be started in primary school.

[1] https://www.ngi.eu/ngi-awards/

1 Introduction

1.1 Purpose and Scope

The purpose of this deliverable is to report on the 1st SpeakNGI.eu workshop held on 27 March in Milan at Target Lab, an IT hub. The report covers all aspects of the workshop, its objectives, programme, promotion and stakeholder engagement.

All presentations are available on the dedicated event announcement, along with the interviews published on YouTube, https://www.ngi.eu/event/lets-speak-ngi-business-career-funding-opportunities-while-developing-a-human-centric-internet-milan-27-march-2018/?instance_id=92.

The full report is available in PDF linked to the news item with the main take-aways published on www.ngi.eu, highlighting the benefits of collectively promoting the NGI offer and funding opportunities at the NGI Inter-CSA[2] level.

This deliverable also summarises the 1st Face-to-face meeting with the European Champions Panel (ECP), held on 26th March, 2017, also in Milan. It provides an overview of the current ECP and potential new members as well as best practice guidelines for stakeholder engagement, perspectives on human and technology aspects related to NGI, concluding with a Roadmap of activities.

1.2 Relationship to other project deliverables

This deliverable is part of WP4 - Communication, Concertation and Sustainability. It specifically relates to Task 4.2 – EU-wide dissemination and concertation, which is responsible for organising three SpeakNGI.eu ECP workshops. Besides visibility and impact creation in general, one specific goal of the face-to-face gatherings is to help pool together the distilled knowledge and drive consensus building around the NGI vision. Having the European Champions Panel (ECP) attend these workshops will ensure coverage of key stakeholders and issues that need addressing while driving Inter-CSA collaborations for mutual visibility and benefits.

This deliverable also relates to Task 1.3 – European Champions Panel, and WP2 – Consultation Platform.

1.3 Structure of the document

The document is organised as follows:

- **Section 2**: An overview of the 1st SpeakNGI.eu Workshop that took place on 27 March, 2018 in Milan, Italy. This section covers the workshop A-Z, from the workshop objectives, programme development and promotion, participants, and on-the-spot interviews made during the event.
- **Section 3**: Comprehensive workshop report, covering all the sessions, discussion points, main outcomes and take-aways.
- **Section 4**: A summary of the main outcomes of the 1st ECP face-to-face meeting that took place the day before the workshop, including opportunities to expand the ECP and priority issues that need addressing.
- **Section 5**: Conclusions from the workshop and reference to the roadmap in section 4.
- **Annex 1:** Written report of the two kick-off audio conferences with the ECP members.

[2] The Inter-CSA is a cross cutting activity of the pathfinder Coordination and Support Actions (CSAs) in the NGI initiative: SpeakNGI.eu, NGI Move, Engineroom, and Hub4NGI.

2 Workshop Overview

2.1 Objectives of the workshop

The overriding objective of the workshop was to ensure the collective promotion of the NGI Offer and diverse funding opportunities through the participation of all the Inter-CSA projects and the European Commission.

The expected outcomes from this objective span:

- Unlocking new business, career and funding opportunities for EU companies, outstanding academic and research institutions, including funding support from cascading grants through ICT-24 and ICT-31 Calls and beyond and EU-United States career exchange programmes.
- Identifying an initial set of Early adopters to help establish the NGI Early Adopters Club, defining best practices for innovations prioritising the EU values for the next generation internet.
- Benefitting from the participation of members of the NGI European Champions Panel by showcasing their diverse technological innovations underpinned by EU values for the NGI, including the sustainability of the Global Internet Policy Observatory (GIPO) community, thus increasing awareness of internet policy in the frame of NGI.
- Gaining knowledge about participants positioning in the NGI ecosystem and their potential contributions or interests through the workshop registration process.

Participant targets for the workshop generally covered the SpeakNGI.eu stakeholder categories; however, with a priority on:

- Innovative, high-tech start-ups and SMEs in the NGI space.
- Outstanding academic and research institutions with innovation capabilities spanning the ICT-24 call focus areas and /or the priority research topics under investigation.
- NGI Champions and technology evangelists who can facilitate engagement with the above groups and strengthen links with the most relevant networks and IT clusters.

Participant take-aways were expected to include:

- Practical insights into NGI, its current offer and funding opportunities.
- Opportunity to pitch ideas for NGI and/or for strengthening links between business and research.
- Opportunity to learn about NGI best practices showcased through the Early Adopters Club and how to become part of it.
- Tips and views from the NGI European Champions Panel, not only on priority research and innovations but also on the NGI offer to help enhance it and increase its value-add for all stakeholders targeted.

Technologies promoted include: cyber security, privacy and data protection, big data and data governance, artificial intelligence, blockchain, cloud, 5G, IoT, open science, with a view also to identifying potential areas for convergence.

Synergies: examples include workshop supporters and new opportunities to expand the NGI community emerging from the workshop.

- **GIPO Community**: respond to need for increased awareness of internet governance issues. Define priorities for multi-stakeholder dialogue and the discourse that needs to take place.
- **Eurodoc**[3] (the European Council for Doctoral Candidates and Junior Researchers): cater to need for engagement with young people in the NGI dialogue and opportunities, as testified by the dedicated survey on the Consultation Platform (D2.2). Understanding perceptions and

[3] http://www.eurodoc.net/.

research interests and how they can be shaped around the values of NGI.

- **New European Media[4] NGI Working Group** (NEM technology platform): direct engagement with new stakeholders that share links with the NGI vision while acting as a key driver for innovation in the internet. Understanding NEM priorities for shaping future research and policy priorities, and strengthening collaboration between media organisations and start-ups.
- **IoT Italy[5]**: increase awareness of IoT landscape in Italy, understand what role it can play potentially in NGI and help key innovators benefit from the NGI offer (e.g. the interactive online map), define common future actions.
- **EIT Digital[6]**: strengthen links with EIT Digital through new ECP member role (Tua Huomo, Strategic Adviser) and through the involvement of the SoftFIRE project.

A dedicated channel was created on the Consultation Platform to encourage online discussions around the workshop topics during the event, and this was a successful initiative, gathering online discussions and questions during the event.

2.2 Programme and Promotion

Considerable effort was dedicated to developing the programme and promoting the workshop to priority target audiences.

The event was published in the NGI events calendar, https://www.ngi.eu/event/lets-speak-ngi-business-career-funding-opportunities-while-developing-a-human-centric-internet-milan-27-march-2018/?instance_id=92, as the basis for event promotion. Dedicated meetings were arranged on a regular basis to define the workshop programme based on the objectives defined. A tracking tool was developed to identify and recruit the selected keynotes, speakers, panellists and moderators, including one-on-one emails and phone calls. Interactions with members of the ECP helped clarify their roles and contributions to the workshop programme. The H2020 Future Internet Forum of Member States and Associated Countries (FIF[7]) member from Italy was contacted early on and the event was promoted via the FIF through their NGI Contact points of Italy.

Let's Speak NGI …. Next Generation Internet –Business, Career & Funding Opportunities, while developing a human-centric internet – Final Agenda	
09:00-10:00	***Registration, Welcome Coffee & Visit to the NGI stands***
10:00-10:30	***Welcome & Introduction: NGI Vision - Current Research & Early Adopters, and Public Consultation[8]*** Silvana Muscella, Event Chair, UK
10:30-10:45	***Keynote: Developing a Humanized Internet for Our Future[9]*** Monique Morrow, Women in Technology and NGI European Champion, Switzerland
10:45-11:15	***Panel of Early Adopters: NGI solutions & challenges*** Moderator: Filippo Tramelli – Primopiano Scrl, *Italy* • Tua Huomo, Executive Vice President VTT, Finland & NGI European Champion Panellist

[4] https://nem-initiative.org/.
[5] http://www.iotitaly.net/.
[6] https://www.eitdigital.eu/.
[7] https://ec.europa.eu/digital-single-market/en/future-internet-forum
[8] https://static.martel-innovate.com/wp-content/uploads/sites/18/2018/04/Muscella_NGI-Vision_rev05.pdf.
[9] https://static.martel-innovate.com/wp-content/uploads/sites/18/2018/04/MMorrow-NGI-Milan-2018.pdf.

	• Chiara Bresciani, Municipality of Milan, Italy – Synchronicity[10] • Roberto Minerva, EIT Digital Italy & SoftFIRE • Andrea Claudi, ADB, Italy • Daniele Miorandi, U-Hopper srl, Italy[11]
11:15-11:30	***Networking Coffee Break***
11:30-12:00	***NGI: Not just a technology playground: building a culture with the NGI awards. The future of internet research: what are the hot topics?*** Moderator: Silvana Muscella, UK - Event Chair • Marta Arniani, France, NGI Move - *NGI Awards*[12] • David Laniado, Spain, ENGINE Room - *NGI Research Topics*[13] • Jim Clarke, Ireland, SpeakNGI.eu - *NGI Open Consultation Platform*[14] ***Open floor discussion***
12:00-12:30	***Social Impact of NGI: Views from the younger generation & other users. Towards a new internet governance?*** • Paolo Lombardi, UK and NGI Open Consultation Platform • Jamal Shahin, Vrije Universiteit Brussels & NGI European Champion Panellist • Monique Morrow, Women in Technology, Switzerland and NGI European Champion Panellist ***Interactive discussions on social impacts & internet governance***
12:30-13:00	***NGI Success Stories & Sustainable Paths – NGI Champions in Europe*** Moderator: Richard Stevens, IDC, Italy and HUB4NGI • Ales Cernivec, XLAB, Slovenia & NGI European Champion Panellist • Michel Drescher, MTRL Ireland & NGI European Champion Panellist • Alessandro Bassi, IoT Italy & NGI European Champion Panellist • Ralf Neudel**,** IRT Germany & New European Media[15]
13:00-14:00	***Networking Lunch***
14:00-14:30	***European Vision for Current & Upcoming Funding Opportunities*** Moderator: **Paolo Lombardi**, UK and NGI Open Consultation Platform • Stefano Foglietta, European Commission ***Q&A Session***
14:30-15:00	***One-Minute-Pitch-Parade (NGI players) & NGI Awards***

[10] https://static.martel-innovate.com/wp-content/uploads/sites/18/2018/04/CHIARA-Bresciani-NGI-270318.pdf.
[11] https://static.martel-innovate.com/wp-content/uploads/sites/18/2018/04/miorandi_NGI_early_adopters.pdf.
[12] https://static.martel-innovate.com/wp-content/uploads/sites/18/2018/04/Arniani_NGIAwards_rev00.pdf.
[13] https://static.martel-innovate.com/wp-content/uploads/sites/18/2018/04/Engineroom-presentation-NGI-workshop-Milan.pdf.
[14] https://static.martel-innovate.com/wp-content/uploads/sites/18/2018/04/Clarke_Findings-from-the-Consultation-Process_1230panel.pdf.
[15] https://static.martel-innovate.com/wp-content/uploads/sites/18/2018/02/NGI_Lets_Speak_Ralf_Neudel_IRT_NEM_MediaRoad.pdf.

	Moderator: Silvana Muscella, UK, Event Chair • Alessandro Bassi, IoT Italy & NGI European Champion Panellist • Christian de Larrinaga, Firsthand, UK • Roberto Minerva, EIT Digital Italy • Marta Arniani, France, NGI Move • Riaan de Nysschen & Wim Vandebroeck, GIG Europe, Switzerland • Ralf Neudel, IRT, Germany • Chiara Carrozza, European University Institute
15:00-16:00	Panel Discussion on NGI Business, Career & Funding Opportunities for start-ups & non Moderator: Andrea Signorelli, La Stampa, Italy • Michele Foradori, Unicredit Start Lab, Italy • Andrea Claudi, ADB, Italy • Filippo Tramelli, Primopiano Scrl, Italy[16] • Silvana Muscella, UK, NGI Open Consultation Platform ***Open floor discussion***
16:00-16:30	***Conclusions and Wrap-up***

Table 1: Agenda of the 1st SpeakNGI.eu Workshop

A dedicated channel was created on the Consultation Platform was created to encourage online discussions around the workshop topics, at https://consultation.ngi.eu/taxonomy/term/116.

The figure below provides a snapshot of the online discussions.

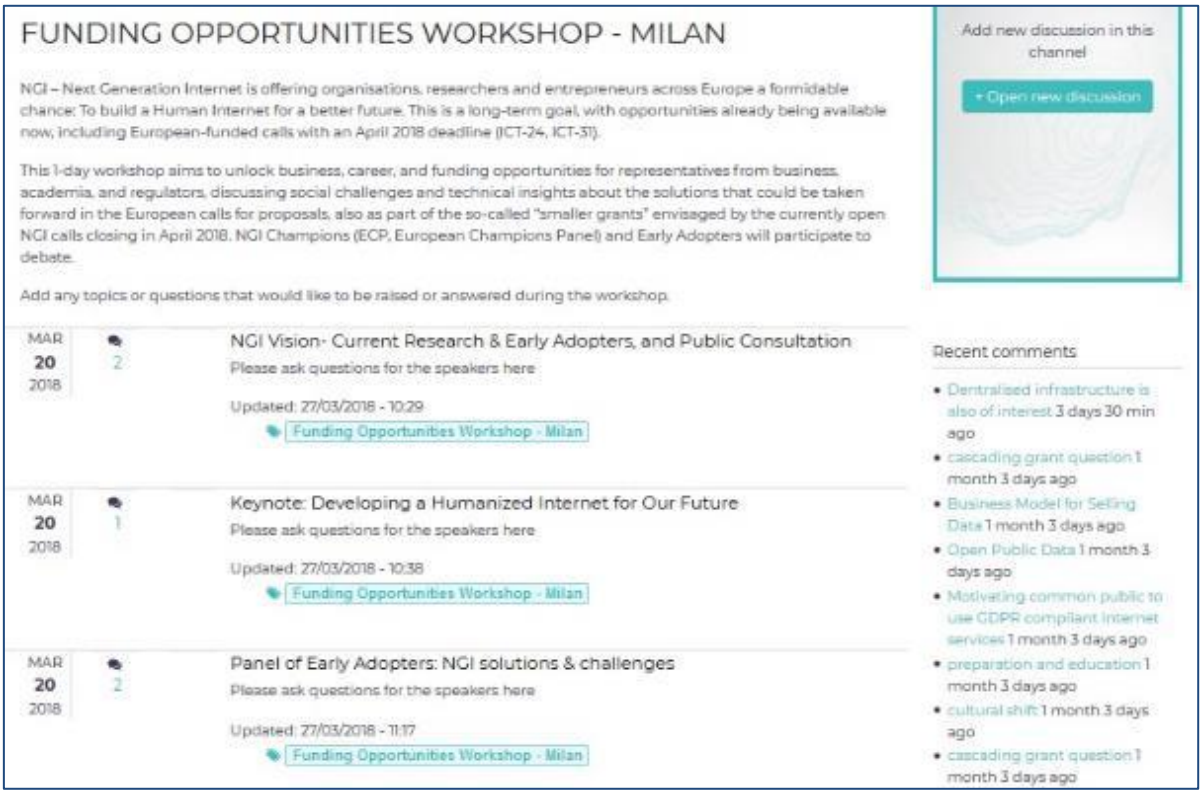

Figure 1: Workshop Discussions on the Consultation Platform

[16] https://static.martel-innovate.com/wp-content/uploads/sites/18/2018/04/NGI-slides_FilippoTramelli.pdf.

Participant invites: Over 700 personalised invites were sent to the SpeakNGI.eu database, including registered members to the Consultation Platform, and networks of SMEs, academic/research institutions and large companies. Promotion of the workshop and the survey on young people and NGI was also supported via Eurodoc and YERUN mailing lists.

LinkedIn Groups: Event announcements were posted on the LinkedIn group listed below.

- Info Tech Professionals, big data, AI, IoT, VR, blockchain.
- Future Technology: AI, Robotics, IoT, blockchain.
- Blockchain.
- Blockchain: health and technology.
- Blockchain Business.
- Augmented Reality (AR), Virtual Reality (VR) & Virtual Worlds (VWs).
- Health & Biotechnology Management and Technology | Startups | Blockchain.
- Information Technology, FinTech, Blockchain and Bitcoin Innovation.
- Blockchain Nation.
- Blockchain Professionals Network.
- The Big Data Institute - IOT, Big Data Analytics, Cloud Computing, Blockchain.
- IoT- Internet of Things, eHealth, Smart Cities, Applications for Future Internet.
- Bitcoin Blockchain & FinTech Think Tank > Cryptor Trust.
- Blockchain Camp - Advisers, Consultants & Enthusiasts.
- Blockchain Tech - Block Chain Crypto ICO Distributed Ledger Smart Contract Solidity Ethereum Bitcoin.
- Blockchain, open innovation and co-creation.
- Blockchain in Europe.
- European Alliance for Innovation: IoT- Internet of Things, eHealth, Smart Cities, Applications for Future Internet.
- Augmented & Virtual Reality Professionals.
- Augmented Reality.
- Next Generation Internet Experimentation - NGI-EXP.
- Data Protection and the EU GDPR.
- Privacy professionals.
- European Data Protection Forum (EDPF) - The Best Networking Group for Privacy & Data Protection Professionals.

NGI Newsflash

Figure 2: Promotion via the NGI Newsflash

Twitter and LinkedIn

An extensive promotional campaign was performed on NGI Twitter and LinkedIn. A small sample is showed in the figure below.

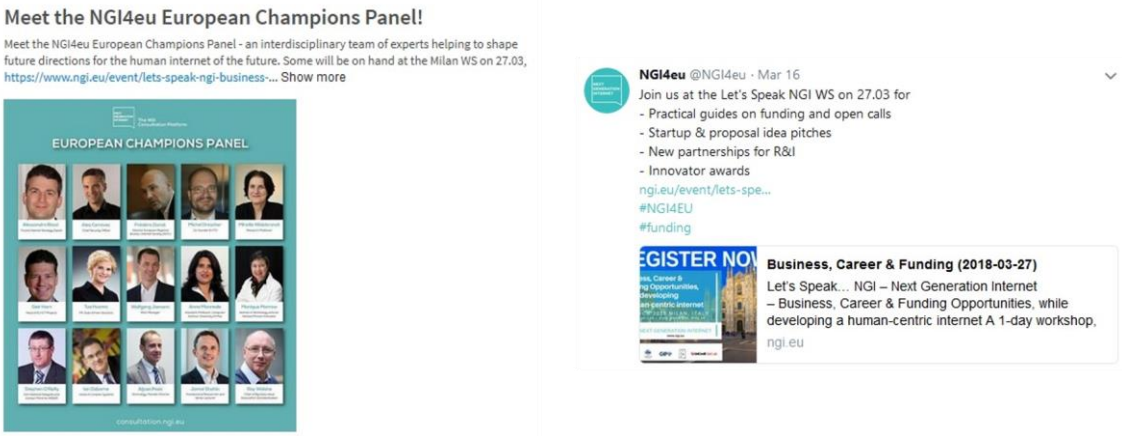

Figure 3: Workshop Promotion on Twitter and LinkedIn

2.3 Participants

In this section, we analyse the participants of the 1st Workshop, starting with a breakdown of organisational types represented. The largest number of participants came from small businesses, spanning hi-tech start-ups and SMEs, entrepreneurs and freelance professionals (19 out of 41; 46%). Some companies sent several representatives. This is followed by academia and research (9/41; 22%), IT clusters and associations (6/41; 15%), which play an important multiplier role as stakeholder engagement evolves and intensifies. Other participants came from large enterprise (7%), press and media (5%) and government/public organisations (5%).

The figure below shows the participant breakdown.

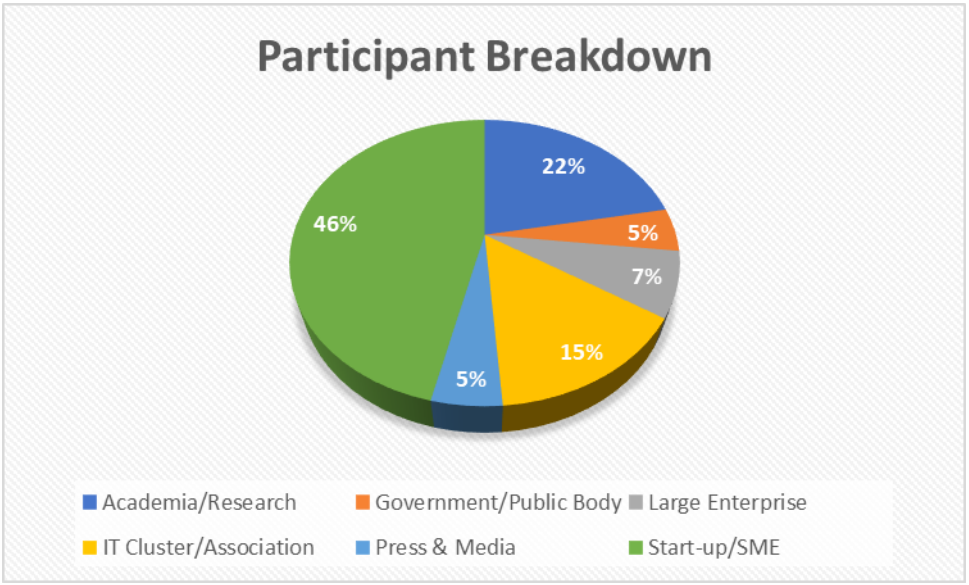

Figure 4: Participant Breakdown of 1st SpeakNGI.eu Workshop

Country breakdown: 11 countries were represented at the workshop, with most participants coming from Italy (20), followed by Switzerland (4), UK (4), Belgium (3), Ireland (2), Spain (2) with Czech Republic, Finland, France, Germany, and Slovenia on 1 participant.

Professional roles: Participants have a wide variety of roles. Most are technical professions like R&I/research manager; Head of IT; Head of collaborative research; COO; programme manager; technical project leader; head solutions engineering; CISO. Some are executives like CEO; (co-) founder; executive VP; company director, and some a combination like senior lecturer, project coordinator, training manager and IT journalists.

The table below provides more details about the participant organisations and the phrases chosen by participants for their badges upon registration. The phrases reveal many positive action verbs like learning, sharing, innovating, creating, shaping, networking, taking action, demonstrating alignment with the aims of the workshop.

Organisation type	Organisations	Participant Phrases
Entrepreneurs, start-ups and SMEs	Asesse.net (<10)	Software House
	Firsthand Network (<10)	Share, learn, take action
	Futuribile (<10)	NGI Awards
	GIG Europe (50+)	Open Internet
	GIG.TECH (50+)	Token Evangelist
	HOP Ubiquitous (<50)	Creating things
	Martel Innovate (<50)	Innovation is the future
	MTRL Ltd	Innovation needs to go to market
	reconice srl (<10)	Let's Dance;
	Trust-IT (<50)	Privacy for the next gen
	U-Hopper (<50)	Never stop innovating
	XLAB (50+)	European Champion Panellist
	Zaz Ventures (<10)	Working on NGI
	1 freelance professional	Calls ICT-24, ICT-31
Large enterprise	HPE	Business is networking driven
	IDC	Shaping the NGI
	Unicredit	Learn, share, innovate
Academia and Research	Cefriel	Human Computation & Gamification
	European University Institute	Policies for a better future;
	Eurecat	ENGINE Room
	IRT	Role of Media sector in NGI
	Vrije Universiteit Brussels/GIPO	Learning & sharing
	VTT	NGI & Business
	Waterford Institute of Tech. (WIT)	NGI Stakeholder Engagement
IT Clusters and Associations	CNA Lombardia[17]	N/A – name of affiliation
	eHub Torino	Open innovation, open wealth
	EIT Digital	Programming future networks
	EuroDoc	NGI for young researchers
	IoT Italy	IoT Evangelist
	The Humanized Internet	Are you in control?
Press and Media	La Stampa	Moderator
	Primopiano	Moderator
Government/public body	European Commission	NGI Evangelist
	Municipality of Milan	Synchronicity
12 EU initiatives represented		
SpeakNGI.eu, ENGINE Room, NGI Move, Hub4NGI, Green and Neutral internet, Synchronicity, The Humanized Internet, NEM Technology Platform, BDVA, SoftFIRE, MEDIAROAD.		

Table 2: Participant Analysis

[17] Regional branch of the Italian Federation for Crafts and SMEs, one of the workshop supporters.

2.4 Interviews and Images

Seven (7) on-the-spot interviews were filmed during the workshop to capture immediate reactions from selected participants and share their different viewpoints.

1. **Daniele Signorelli**, La Stampa (Press & Media): views on NGI-related technologies and challenges from an Italian journalist, who also served as a session moderator. An example of how press and media can become more involved in NGI discussions. Video available on the NGI YouTube channel.
2. **Christian de Larrinaga**, Firsthand Network (SME; digital start-up facilitator and incubator): take-aways as a newcomer to NGI and the potential of NGI to reduce the gap in the funding model for individuals, start-ups and very small companies. An example of bringing new players into the NGI and the identification of new ECP members. Video available on the NGI YouTube channel.
3. **Riaan de Nysschen**, GIG Europe (SME): company focus and how it uses edge computing and blockchain to innovate and disrupt in the marketplace. An example of NGI-related innovation and potential Early Adopter Club member. Video available on the NGI YouTube channel.
4. **Michel Drescher**, MTRL and ECP (SME): drivers for the next generation internet and opportunities for stakeholder contributions from the workshop. An example of how stakeholders need to think about their specific contributions to NGI. Video available on the NGI YouTube channel.
5. **Davide Lainado**, Eurecat and ENGINE Room (academia/research): priority research topics identified by ENGINE Room with summary of the March 2018 workshop at Nesta. An example of collaboration on research topic identification and consensus-building. Video available on the NGI YouTube channel.
6. **Claudia Caimi**, HPE (large enterprise): potential participation of large IT companies in NGI leveraging relevant collaborative work. An example of how new NGI stakeholders can be identified through direct engagement.
7. **Jamal Shahin**, GIPO Community and ECP (academia/research): goals of GIPO in rolling out an observatory so people can become more informed about internet governance; upcoming integration of the observatory into the NGI Consultation Platform. Building on the willingness for multi-stakeholder dialogue emerging from the workshop. An example on the importance of internet governance in the NGI dialogue and roadmap. The video will be a key feature in the planned promotional campaign on the upcoming integration of the GIPO community into NGI.

The Image Gallery from the workshop provides a visual account of the agenda.

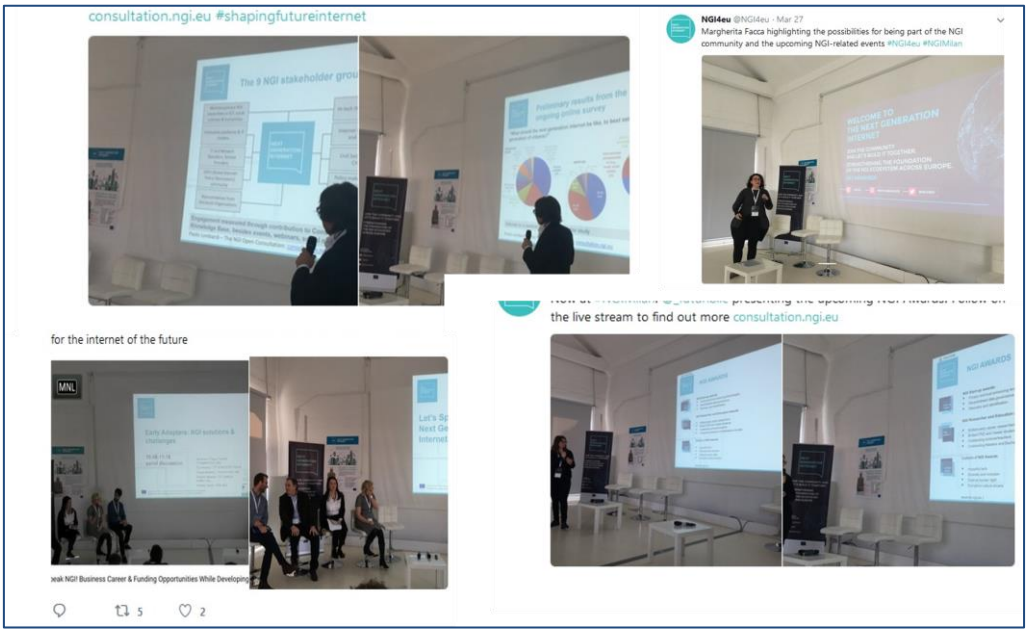

Figure 5: The NGI Offer at the 1st SpeakNGI.eu Workshop

Figure 6: NGI Funding Opportunities at the 1st SpeakNGI.eu Workshop

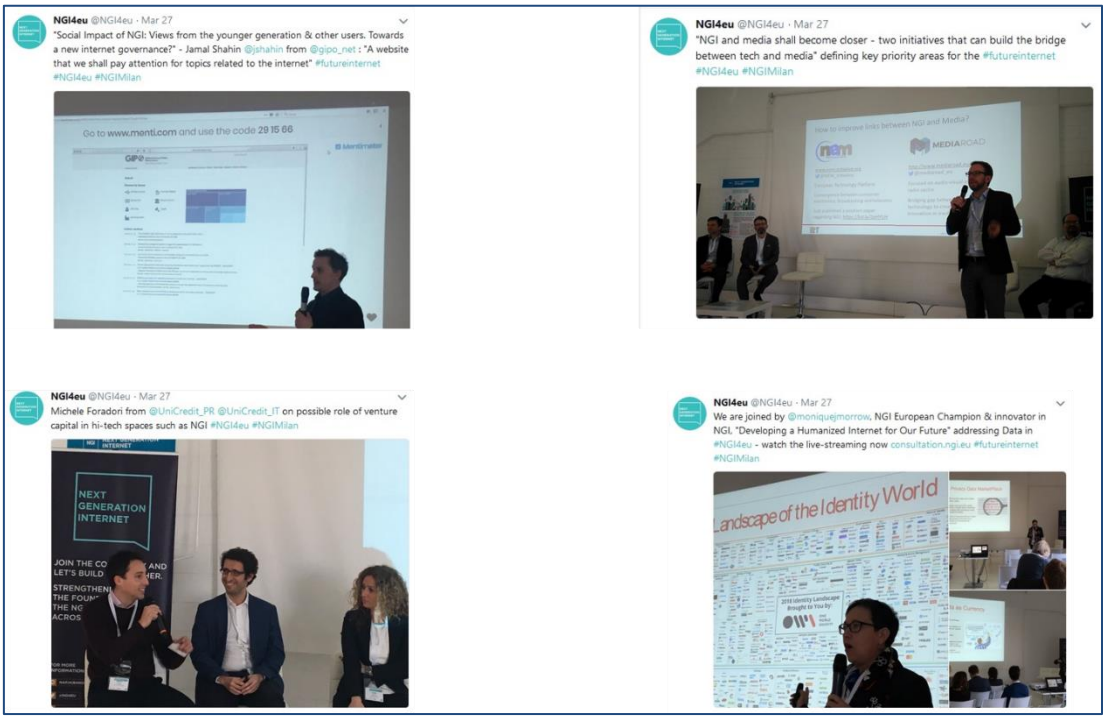

Figure 7: Insights from ECP and Panellists

The figure below shows a sample of post-event promotion, including a LinkedIn Blog Post by Filippo Tramelli, PrimoPiano and a Post on SoftFIRE distributed to the 5G network.

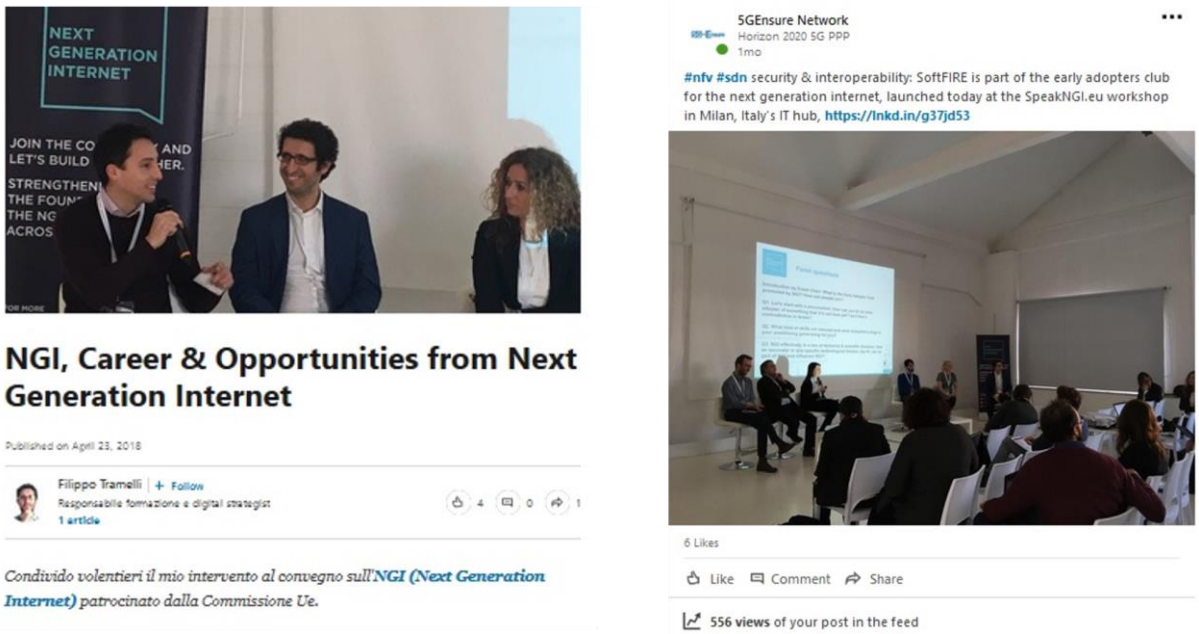

Figure 8: Sample of post-event promotion and awareness

3 Workshop Report

LET'S SPEAK… NGI – NEXT GENERATION INTERNET – BUSINESS, CAREER & FUNDING OPPORTUNITIES, WHILE DEVELOPING A HUMAN-CENTRIC INTERNET

27th March 2018, Milan, Italy. Building a human-centric internet – the many opportunities on show at the one-day workshop hosted by SpeakNGI.eu and its European Champion Panel for the next generation internet, from funding to awards, a consultation platform and much more. This report provides all the insights from the event.

Agenda overview: Introduction to the workshop. Keynote on a humanised internet, panel of Early Adopters. Panel on building a culture with the NGI awards. Panel on NGI Success Stories & Sustainable Paths – NGI Champions in Europe. NGI funding opportunities presented by the European Commission. One minute-pitch parade (NGI players). Final panel on NGI Business, Career & Funding Opportunities for start-ups.

What is the NGI Initiative?

The Next Generation Internet (NGI) initiative, launched by the European Commission in the autumn of 2016, aims to shape the future internet as an interoperable platform ecosystem that embodies the values that Europe holds dear: openness, inclusivity, transparency, privacy, cooperation, and protection of data. The NGI initiative will drive this technological revolution and ensure the progressive adoption of advanced concepts and methodologies spanning the domains of blockchain, artificial intelligence, Internet of Things, interactive technologies and more, while contributing to making the future internet more human-centric.

This ambitious vision requires the involvement of the best Internet researchers and innovators to address technological opportunities arising from cross-links and advances in research fields ranging from network infrastructures to platforms, and application domains to social innovation. The initiative also aims to strengthen dialogues between Europe and the United States to facilitate exchange of views, policies and best practices and stimulate cooperation around cyber security

In the opening session, the event Chair, Silvana Muscella, outlined the core components of the NGI Initiative, bringing together projects helping to shape the Programme (NGI-Move), research & innovation topics (EngineRoom), open and dynamic consultation platform (SpeakNGI.eu) and NGI Outreach (Hub4NGI). The NGI vision with its was outlined and stressed to have a 2025 perception that will generate new business opportunities, help define new career opportunities in a large multi-disciplinary domain, and being involved in the workshop should enable stakeholders to capitalise on the open calls of the NGI initiative in the next 12 months. The main take-homes for the workshop were highlighted, including scoping of NGI's research topics of interest, business and career opportunities; receiving first-hand information on the roadmap of NGI funding; getting organisations on the interactive NGI Online Map to introduce innovation potential to the NGI community and increase chances of being involved in NGI projects; and proactively join the NGI community and learn of the valuable opportunities it could present to your organisation. Milan was selected as the venue due to its place as an economic hub of industry with excellent successes and the pulsing ICT fabric in this area could greatly benefit from the cascading grant schemes on offer in NGI, owing to the strong presence of SMEs and growing numbers of start-ups in Milan.

A keynote address was given by Monique Morrow, President and Co-Founder of the Humanized Internet[18], a non-profit organization focused on providing digital identity for those individuals most underserved, Associated Researcher at Alexander Humboldt University Institute of Internet and Society[19], and NGI European Champion Panel[20]. The presentation was entitled "Developing a

[18] https://www.thehumanizedinternet.org/
[19] https://www.hiig.de/en/staff/monique-morrow/
[20] https://consultation.ngi.eu/ecp

Humanized Internet for our future". The presentation stressed that in the NGI, we must focus both on control of our data as well as control of our identity, which is ever increasingly being centralised by a few large organisations, which delimits OUR control. The thesis that states "if you are not paying, you are the product" was emphasised.

The advent of IoT is precipitating a data economy. By the end of 2020, it is predicted there will be over 50 billion connected devices, which equates to around 6 devices per person. In the data economy, data is considered as the currency used to create and exchange economic value, or anything that can serve as a medium of exchanges, something that can be cashed out for goods and services. The NGI should look at innovative ways of creating a privacy data market place, where privacy is a fundamental human right, but it can also be positive for business. In other words, when privacy is understood as control over one's own data, it can also mean sharing of information as a result of a conscious choice for other societal benefits. The start of GDPR on 25th May, 2018 should help the situation by imposing severe penalties on multi-national corporations for non-compliance. The EU should be lauded on GDPR as the landscape of the identity world is fraught with potentially large abuses of valuable personal data in a centralized landscape, if not addressed agressively as part of GDPR.

A number of initiatives were outlined of relevance to the NGI initiative, including: BLOCKCERTS[21], the Open Standard for Blockchain Certificates. Initially designed and developed MIT's Media Lab[22] and Learning Machine[23]. BLOCKCERTS is an open standard for creating, issuing, viewing, and verifying blockchain-based certificates. These digital records are registered on a blockchain, cryptographically signed, tamper-proof, and shareable. The goal is to enable a wave of innovation that gives individuals the capacity to possess and share their own official records. For ongoing development, this open-source project actively encourages other collaborators to get involved so this would be a good opportunity for the NGI communities' involvement.

In summary, there is room for research and innovation in secure multi-party computation smart and private contracts for IoT and consumer applications, Blockcerts and verification. A number of references were given on new solutions that could be applied to the NGI, including: Identity For All[24]: Permanent Digital Identities that Don't Require a Central Authority and ENIGMA[25]: Find Truth about Data, an ambitious initiative that provides the content, tools, and expertise to empower organizations looking to make sense of the world through data.

In conclusion, Monique Morrow stated that the NGI communities should work together on a vision where ethics and governance and not overly data should be the oil of companies going forward with humans at the centre of it.

The first panel session was entitled *Panel of Early Adopters: NGI solutions & challenges* with the following participants:

Moderator: Filippo Tramelli, Primopiano Scrl, Italy

Panelists: Tua Huomo, Executive Vice President VTT & NGI ECP, Finland, Chiara Bresciani, Synchronicity, Italy, Roberto Minerva, EIT Digital & SoftFIRE, Italy, Andrea Claudi – ADB, Italy, and Daniele Miorandi, U-Hopper srl, Italy.

The panelists started by addressing a question about "*how can you be an early adopter of something that's not here yet? Isn't it a contradiction in terms?*" In answer, the panellists felt that the NGI communities should try out new things to solve the problems, experiment, and when there are new solutions, it is natural to have early adopters. Synchronicity is one example of a large-scale project with smaller cascade funding, where open calls aim to attract participation from early adopters such as innovative SMEs, start-ups (in line with NGI), which are required to address urban challenges. In order to avoid vendor lock-in and city lock-in, the Synchronicity project uses open standards and open architectures. A point was raised about whether the large companies are in reality developing the key technologies for the NGI and it was suggested that we really need the early adopters to fill this gap. Conversely, the point was raised that there is oftentimes a reluctance to "adopt" a solution designed

[21] https://www.blockcerts.org/
[22] http://learn.media.mit.edu/
[23] https://www.learningmachine.com/
[24] http://sovrin.org/
[25] http://www.enigma.com/

by someone else. This led to the suggestion that “Early Evangelists" might be a more appropriate term than Early Adopters when it comes to the potential uptake of new initiatives related to the NGI.

The panellists addressed a question on “*how innovators in one specific technology domain, e.g. Artificial Intelligence, really influence NGI when NGI is a mix of technology domains”*. Within NGI, we need more intelligence techniques and at the same time, we need to see how they can be applied in every domain, and we need to learn how to use the techniques in real business environments. It is similar with the development of mesh solutions using large amounts of anonymised data to tell about the habits of users. This large amount of data needs to be analysed and understood with big data analysis techniques while at the same time taking into account the privacy of the information and data. In a city municipality, it was pointed out that this mixed approach is already in use as a municipality is multi-disciplinary, and a bottom up / user centric approach is used when developing services for the citizens. In fact, the Municipality of Milan has developed a platform based on open source in which both the technologists and the user’s requirements must be taken into account simultaneously. The feeling of the panelists was that for NGI, the current Internet should be disrupted and, as a start, we should change the way things are organised, taking approaches based on open source hardware and software and edge computing approaches for connecting people in innovative ways. The technology should be driven by societal values and this will frame the use of the next generation of AI, security and trust components, since without the understanding of the societal values, we cannot build these new systems in NGI to comply with the needs and requirements. On the other hand, we need to understand how the technology can affect the ethics, security, and understanding the potential of these technologies before building the NGI technologies. The NGI should consider the use of open data for a useful purpose and not just for making money in business companies. We should examine how the data can provide something smart to all of society. For example, collating useful data in open data repositories to catalyse innovation as any independent researcher can work and generate value on it, which is an approach that is complementary to open source. It is clear the approach of the EU is different to US, where the EU is more societal rather than a focus on business, business, business! This is the EU strength and the NGI can try to use our regulation to support these innovations and we can start with small ideas and work them into larger innovations. This is why the data portability requirement is an important aspect of the GDPR.

The panel concluded with a question on “*how we can best prepare and educate EU citizens about the goals of the NGI and from a bottom up approach, push companies to adopt these human centric ideals”*? The feeling was the best approach is to start with experimentation and understanding the value of the data is important and convincing the companies to build the ethics and privacy into the technologies in from the beginning. Based on work in EURODOC[26], the European Council for Doctoral Candidates and Junior Researchers, which is made up of 32 national associations of doctoral candidates and post doctoral candidates working on open access, open data & research integrity within open science, universities have a strong role to play in education on values and digital rights and looking at ways that all of society can benefit equally. Ethics should take precedence over business values in educating students and this kind of education, including digital rights, which should be started in primary school. From the municipality perspective, even for educational purposes, there is usually a built-in difficulty or reluctance to share information across different departments even if it would be very useful and this is a cultural issue that needs to be addressed for the NGI communities.

The second panel session was entitled NGI: Not just a technology playground: building a culture with the NGI awards. *The future of internet research: what are the hot topics?* with the following participants:

Moderator: Silvana Muscella – Event Chair, UK

Panelists: Marta Arniani, Director Futuribile, NGI Awards within the NGI Move project; David Laniado, NGI Research Topics, Eurecat, EngineRoom project; Jim Clarke, NGI Open Consultation Platform, Waterford Institute of Technology, SpeakNGI.eu project; Jamal Shahin, Vrije Universiteit Brussel & NGI ECP.

Marta Arniani, Director Futuribile, NGI Move project, presented the NGI Awards, an initiative of the NGI Move project to highlight new role models in the NGI communities. There are different categories of awards, including NGI Start-up awards and NGI Researcher awards. The race for the awards runs from April to September,2018. After a selection process, the awards will be distributed during 4YFN

[26] http://www.eurodoc.net/.

2019 held during February, 2019.

Prof. Jamal, Vrije Universiteit Brussel & University of Amsterdam & NGI ECP, presented the Global Internet Policy Observatory (GIPO) tool, which is a global platform with the purpose of bringing together communities from social, technical and policy. The GIPO observatory tool is based on keyword entries and categories, with a dashboard that highlights the regional importance of the terms in different regions. The GIPO platform is currently being transferred to the SpeakNGI.eu project to sustain the website and observatory tool and to continue building the necessary bridges between the NGI and the Internet Governance communities, which is important for both of their continued success.

Mr. David Laniado, NGI Research Topics, Eurecat, EngineRoom project presented the highlights from the EngineRoom workshop entitled *Reimagining The Internet – Building Radical New Alternatives For A More Democratic Future Internet*, held at NESTA, UK, on 21st March 2018. The workshop presented the results of the EngineRoom methodology in selecting NGI topics for future research and innovation. The methodology is based on the searching the global communities on trends related to NGI based on keywords, including NGI social issues and values network and looking at large scales of networks of hyperlinks. The models also show trends as they appear between US and EU in the form of a map. The workshop analysis highlighted nine (9) NGI topics that were registering as important in the global search.

1. A sustainable internet (Energy consumption, environment impact).
2. Decentralising power (sustainable business model to avoid monopolies, net neutrality).
3. Internet and data sovereignty (lack of control over personal data, data portability, decentralised data governance).
4. Ethical AI & machine learning (transparency, new standards, resilient & safe).
5. A safe accessible & diverse internet (accessibility, safe).
6. Trustworthy online media and information ecosystems (sustainable media, social media, collective memory).
7. Online identity & trust (secure online identity, reputation systems).
8. The right to opt out & self-govern (IoT systems, new models for online ownership for individuals and communities).
9. Cybersecurity and resilience (cyber-physical attacks, future proof encryption, tools to prevent cybercrimes).

At the EngineRoom workshop, there were in-parallel discussions for each of these topics and participants could spend 15 minutes on three of their chosen topics. This was followed up by an overview by the facilitator of each topic. Another activity was table driven with each table given 40 minutes to prioritise the 9 topics and provide justification for their choices. A report will be produced with the overall outcomes and distributed at end of April 2018 and a consultation process will be carried out to select 3 topics for WP2019.

Jim Clarke, Waterford Institute of Technology, Ireland, coordinator of the SpeakNGI.eu project, whose main responsibility is the development of an open, dynamic and continuous consultation platform and knowldege base for the Next Generation Internet (NGI) programme that engages all relevant stakeholders with a long-term perspective and multi-disciplinary approach.

SpeakNGI.eu focuses their stakeholder engagement around 8 key categories of stakeholders:

1. Multidisciplinary NGI researchers in ICT, social sciences & humanities.
2. Innovation platforms & clusters.
3. ICT Operators and Service Providers.
4. Representatives from Standards Bodies.
5. High tech Start-ups & SMEs.
6. Internet Policy Experts and Activists, including the GIPO community.
7. Policy makers, Funding Agencies including EU & national digital agencies.
8. Civil Society, NGOs, Citizens.

The project has a dedicated European Champions Panel[27] (ECP) currently comprised of 16 members, which assists the NGI in the process of stakeholder engagement, with a good balance of members in

[27] https://consultation.ngi.eu/ecp.

each of these stakeholder groups and a number of them attended the workshop.

In terms of what the project can offer to the researchers and innovators engaging in NGI, Jim Clarke highlighted the consultation platform and knowledge base, available at https://consultation.ngi.eu/, which is an open platform available to proactively capture the inputs from the multi-stakeholders in the NGI communities in order to discuss, debate and put forward ideas for this novel programme of developing a human centric next generation internet. Through its knowledge base, the project regularly moderates, collates and feeds the information into the NGI's Inter-CSA process, which cuts across all of the NGI Coordination and Support action projects, including NGI Move, Engine Room, and Hub4NGI. This Inter-CSA process has been set up since the start of the projects so that the suite of NGI projects operate as one in close alignment and without duplication.

In terms of the topics for the WP2018 cascading funded calls within the three RIAs, our consultation platform's knowledge base has a running summary report of the activities in the discussion channels for these calls. This summary report provides four different views into the current status of the NGI online consultation platform: Roadmap View, Topic View, Technology View, and Socio-Economic ViewT

In concluding, Clarke summarised the topics coming up in the consultation platform and knowledge base within the WP2018 discussion channels.

In the **Privacy and Trust Enhancing Technologies channel**, there is a focus on how the GDPR and ePrivacy directives will impact upon NGI research and innovation and its stakeholders, both large and small. While the GDPR is seen as being a positive step to enforce the use of appropriate processes and technologies in order to keep personal data handled with diligence, there are some concerns being raised about its impact especially on the smaller SMEs and start-ups, who wouldn't have the resources and/or legal expertise or funds for the necessary administrative and legal costs. In addition, the GDPR impact on technologies such as blockchain technologies is discussed on the consultation platform, as some of the protection mechanisms and encryption techniques being used by blockchain don't exactly match the requirements of GDPR. Even though they are quite secure and robust, blockchain doesn't match the definition of data "should be erasable" even if it is encapsulated quite securely.

In the **Decentralised data governance channel**, the topics included are Ethical AI, how to balance between a truly human-centric next generation internet and services and applications that are largely based on the data economy, and offering alternative technological solutions (e.g. blockchain) coupled with services that at least feel equivalent to existing services, and numerous topics on data governance e.g. looking at novel ways of incentivizing the sharing of data for wider societal benefits as opposed to hoarding of data by large companies, and using the new more secure and privacy protecting technologies of the NGI.

In the **Discovery and Identification channel**, the main topics under consideration are: How to speed up uptake of eIDAS compliant identification and authentication by private service providers, and discovery of services, including new forms of media based services, and the necessary interoperability and security and privacy preserving elements for the Internet of Things technologies in the Next Generation Internet.

The next panel session focused on *NGI Success Stories & Sustainable Paths – NGI Champions in Europe* with the following participants:

Moderator: Richard Stevens, HUB4NGI & IDC, Italy

Panelists: Ales Cernivec, XLAB & NGI ECP, Slovenia; Michel Drescher, MTRL Ireland & NGI ECP; Alessandro Bassi, IoT Italy & NGI ECP; Ralf Neudel, Head of Collaboratve Research at IRT & New European Media Technology Platform NGI Working Group, Germany.

The panel opened with a presentation on the Digital transformation process and how this could be applied to the NGI, with more focus on how the NGI technologies could be used in support of digital transformation (DX) with some examples given with the use of IoT supported by cognitive/AI capabilities. Over time, DX trends would move towards accessing documents + social contact + transactions + entertainment, which could be consider the "[Internet of] Actions".

Other trends to keep up with include movement towards open data, knowing the value of your data sets, prepare to monetize assets like data or logistics, prepare to share revenue, leverage AI deluge, and to see GDPR, Privacy , and security as an opportunity rather than a barrier.

The panelists were asked to give their views on how they saw their companies' work in relation to the digital transformation needed for NGI.

Ales Cernivec, XLAB & NGI ECP explained how his company is working on an interoperable marketplace on the national level (Ministry of Public administration), which involves building a national interoperability framework. This includes a the Portal NIO (http://nio.gov.si/) dedicated to publishing interoperability solutions and products of the public sector. It connects a catalogue of interoperability solutions with best practices. It also incoprorates an Open data portal, OPSI (https://podatki.gov.si/), where you can find all of the information, tools, useful resources, with which companies can develop web and mobile applications, develop their own Computer graphics and more. It also incorporates a marketplace of reusable data feeds available to start-ups and other companies. To bring into the context of NGI, the systems are built as interoperable and capable of reuse of data. It is a step towards Open data + Open Service + Open process with the following principles: Free, data driven, user centric evolution, more interoperable ecosystem, and supporting start ups.

Michel Drescher, MTRL & NGI ECP explained the need to ensure that while you are trying to stimulate new players in the NGI space, you also have to be conscious that what is being done is worthy of receiving funds to continue. An example of a way to approach this is how there is a phase 2 within the SME instrument programme in which there is a show and tell similar to the Dragon's Den concept and the SMEs have to prove that their projects should continue receiving funds based on Technology Readiness Level (TRL) and Market Readiness Level (MRL). Michel gave a number of "must-ask" questions for NGI related projects coming from relevant quotes from experts: "Having Innovation for the sake of innovation is pointless. It needs to go to market", according to James Mitchel CEO, BlueBell. Also "The question to answer is not: can we do it? It rather needs to be should we do it", according to Frank Bennet, CEO, MTRL (Europe) Ltd. It is important for all NGI funded projects to ask these questions to each other. An example of an NGI champion was given as the Estonian e-Residency/e-company, which uses digital transformation at its core, with seamless admininstrative integration and mastering the questions asked above.

Alessandro Bassi, IoT Italy & NGI ECP, made a comparison with the discussions twenty years ago around Internet 2, which was only talking about bigger pipes, and the NGI programme, which is a more complex beast in which there is a galaxy of concepts being addressed across multi-disciplines with a large amount of diverse arguments to address. At the same time, there are some solutions being offerred but to scale up to the number of transactions needed will take a large leap in technology e.g. Blockchain with 7 transactions per minute compared with the number of credit card transactions per minute. The way to solve it is to come up with a portfolio solution for the NGI, involving the life-blood of the industry, the SMEs who are the heart of the economy. It is important to remember that all large corporations once started as small companies. A number of thought-provoking statements were given and the NGI should be used to address these: There is a growing distance between the EU funded ecosystem and "real life". It is important to close the gap; NCPs, EU projects and national entities (such as industrial associations) should find contact points and try to work together. The **NGI Online map**[28] is a clear example of this and it is currently underpopluated considering the large number of potential NGI stakeholders available in the EU. The workshop helped build consensus on the importance of promoting it and trying to build this up via the NGI European Champions Panel.

Ralf Neudel, Head of collaboratve research at IRT (Joint research and innovation center of the public services broadcasters in Germany, Austria and Switzerland) & New European Media (NEM) Technology Platform's NGI Working Group, explained how he saw the media sector mapping to NGI. According to him, the media sector, which stretches across **creativity, technology,** and **business** but is highly **fragmented** with many micro SMEs. However, it is a key **driver for innovation** in the internet, and has **many links to the NGI vision**. The media sector is **not yet well enough presented in NGI** and the NEM Technology platform[29], one of the main EU Technology Platforms, has a working group on NGI to address this situation. The NEM terms of reference is the convergence between consumer electronics, broadcasting and telecoms, and it has just publised a position paper on NGI that can be found at https://bit.ly/2pHYLIH[30]. Also of interest, is the work of the MEDIAROAD project[31],

[28] https://www.ngi.eu/ngi-map/
[29] https://nem-initiative.org/
[30] https://nem-initiative.org/wp-content/uploads/2018/03/nem-ngi-wg-january-2018.pdf
[31] http://www.mediaroad.eu/

which is focused on audio-visual media and radio sector. It is also focused on shaping future research and policy priorities as well as by strengthening collaboration between media organisations and start-ups, which is a similar direction to NGI.

In the next session, Stefano Foglietta of the European Commission presented the upcoming opportunities within the NGI Initiative. He explained that with the NGI Initiative, the Commission are trying to accomplish “New things done in new ways!”. Normally in EU programmes, research and innovation topics are pre-defined and crystalised into the work programme (WP) and then they are published and answered by the research and innovation communities. Within NGI, it was done differently with a consultation activity for each of the calls to determine the most appropriate topics for consideration in NGI, which has led to two upcoming calls: **Call 1, ICT-24-2018**[32]: Closure: 17th April, 2018.

There will be 3 Research and Innovation Action (RIAs) projects with a total budget of 21.5M euros. The RIAs will use cascading grants to provide financial support to third parties, of which 80% of the overall budget for the RIA will be allocated. The remaining 20% of the budget will be used by the RIA consortia. In this call, there will be 3 Coordination and Support Actions (CSAs), with a total budget of 7M euros.

The next NGI call following this will be **Call 2, ICT-24-2019**: Closure: 28th March, 2019. In Call 2, there will be 3 RIAs with a budget of 21.5M euros in total and will also use cascading funds for 3rd parties (80%).

The Evaluation of ICT-24-2018 proposal submissions will start in June 2018. It is expected that the selected projects will start towards the end of 2018. A similar timeline will occur in the next call in 2019.

In more details, the R&I action will apply for 7-7.5M euros for a project of a 2-3 year duration. 80% of the funds will be distributed for sub-grantees that will answer calls for smaller agile projects within the topic of the R&I action. The ecosystem will be pan European and the procedures adapted to stakeholders and will be run by organisations in the ecosystem.

There are three R&I Action topics in ICT-24-2018:

1. **Privacy and Trust Enhancing technologies**: "As sensors, objects, devices, AI-based algorithms, etc., are incorporated in our digital environment, develop robust and easy to use technologies to help users increase trust and achieve greater control when sharing their personal data, attributes and information."

2. **Decentralised Data Governance:** "Leveraging on distributed open hardware and software ecosystems based on blockchains, distributed ledger technology, open data and peer-to-peer technologies. Attention should be paid to ethical, legal and privacy issues, as well as to the concepts of autonomy, data sovereignty and ownership, values and regulations." It was stressed to involve the right tech actors, competent in P2P, blockchain, ...

3. **Discovery and Identification Technologies**: "To search and access large heterogeneous data sources, services, objects and sensors, devices, multi-media content, etc. and which may include aspects of numbering; providing contextual querying, personalised information retrieval and increased quality of experience."

There are three CSAs topics in ICT-24-2018:

1. **Technology Strategy & Policy:** will engage leading-edge Internet stakeholders and will identify emerging research trends and policy needs, through a continuous public online consultation, open stakeholder engagement, fora and debates, and data analysis. It should also use the most innovative approaches and technologies, and unconventional ways to maximise involvement of those stakeholders who are new to community programmes and who will actually drive the evolution of the Internet. It should map and cooperate with national/regional initiatives and global activities where relevant. Driven by actors with a solid background and standing in today's NGI community, it aims at sustainability right from the beginning. It will be the intellectual spearhead of the 'Next Generation Internet – An Open Internet Initiative' and will closely engage with the other actions supported in this topic.

[32] Info at https://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/ict-24-2018-2019.html

2. **Technology Harvest & Transfer:** will support 'R&I Actions' and their third parties in ensuring the best use of the outcomes created by delivering specific exploitation strategies, including follow-up investment opportunities, industry relations, IPR/knowledge transfers, tech-transfer services to digital innovation hubs, mentoring / coaching services and linkage to national IPR exploitation programmes, in a most innovative and effective way. It will also support impact assessment at the level of the 'Next Generation Internet – An Open Internet Initiative' topic. The 'Technology Harvest & Transfer' action shall start no earlier than 6 months after the start of the first 'R&I Actions' in late 2018.

3. **Outreach Office:** will execute the programme communication strategy, branding and marketing activities, including extensive online and social media presence and events, establishing a positive brand image among young researchers, innovators, policy makers and people at large. Centralised, more efficient and professional, it will lead communications towards the outside world but also coach all actions under this topic in effective communications and marketing.

We are in the phase of pathfinder CSAs, and we ask the community to please actively contribute to the NGI consultation platform https://consultation.ngi.eu/.

A number of questions were asked from the audience, including the consultation platform:

***Q**: How will the NGI programme feature in the next Framework Programme?* **A**: It is expected that NGI will be a main pillar within the Multi-Annual Financial Framework (MFF) programme.

***Q**: Is there any expectation on the kind of organisation expected to participate in the NGI programme?* **A**: In NGI, we are reaching out to the hard-to-reach stakeholders that wouldn't normally get involved in framework programmes. For example, those that are carrying out actual research work, including SMEs, high tech start-ups, even individuals can participate.

***Q**: What is the foreseen sustainable business model of NGI?* **A**: This is the 100M euro question; however, alternative business models are welcome although it is not yet clear what is meant by that.

***Q:** If we fast forward to 2025, what would the NGI look like?* **A**: We expect there will be major achievements in technology that really change the playground in terms of embedding EU values into the NGI. Some technology companies and communities will be working on platforms for an internet that is open, where free speech is enabled and where privacy is a concern that is taken into account by default.

***Q:** Can you give more details on how the cascading grants work? Is there a template for this?* **A**: There will be an open call and companies will apply when the R&I Actions start up. The R&I Actions will use the participant portal but the cascade projects will follow the guidelines in the open calls put forward by the R&I Action projects, once they start at the end of the year.

***Q:** What is the expected TRL level results from the cascading funded sub-projects? Is it expected that these projects will produce results that are close to market or can basic research be funded through this mechanism?* **A**: A high TRL would be expected as results need to be clear but this is not expected to be a strict requirement. They will be evaluated on how close the results would be to the people and how concrete their project results are.

***Q:** From the perspective of a venture capitalist as intermediaries letting out sub grants, can they be involved?* **A:** Yes, VCs are very welcome as already in their daily work, they organise selecting projects and funding. The consortiums will be judged heavily on the ability to demonstrate the capacity to manage money and if there is a partner very experienced in this, it will be seen as very positive.

***Q:** Understanding the logic of ICT-24, why do you need an intermediary to distribute the money?* **A**: Of course, the EC could distribute the money but NGI is trying a new innovative way to avoid EC paperwork and to reach those hard to reach researchers and innovators in SMEs and start-ups. It may not be perfect but it is an available mechanism we are trying for NGI initiative.

***Q:** Is it expected that offering small amounts of money in the open calls will enable projects to make realistic changes?* **A:** Yes, it is not a large amount of money but keep in mind there will be 3 research cycles. So the impacts will be carried on. We will review the process regularly and see if it is enough as time progresses.

***Q:** Through past experience in SoftFIRE, running an open call is a heavy burden on the RIA project as there is a lot of advertising and bringing in external judges. Are there some standardised guidelines for the processes that would make it clearer?* **A:** There are no guidelines and we are making use of

previous experiences. We realise that running these intermediaries is very costly and the budget is not that large at 20%, but it is a first step. We will review it and perhaps in the next calls, more money could be available to the RIA intermediaries.

Q: *How can early stage researchers help and participate in the real research for NGI?* **A:** Drop us an email and participate to the Consultation platform or participate to the open calls. We can try to help you with some matchmaking for NGI activities.

The next session was entitled the *One minute-pitch parade (NGI players) & NGI awards* with the following participants:

Moderator: Silvana Muscella – Event Chair, UK

Panelists: Alessandro Bassi, IoT Italy & NGI ECP, Italy; Christian de Larrinaga, Firsthand, UK and Internet Society UK - England chapter; Roberto Minerva, EIT Digital, Italy and SoftFIRE; Marta Arniani, Director Futuribile, NGI Awards within the NGI Move project; Riaan de Nysschen & Wim Vandebroeck, GIG Europe; Ralf Neudel, Head of Collaboratve Research at IRT & New European Media Technology Platform NGI Working Group; Chiara Carrozza, European University Institute.

The pitch from Alessandro Bassi focused on IoTItaly[33], which brings together all the actors in Italy in relation to the Internet of Things. As a group, they would like to put together a large offering where things can be built to get large IoT businesses up and running in Italy. The focus is clearly on setting up something based on IoT in the Italian context. For the IoTItaly network to thrive, if you are part of an organisation involved in IoT research and innovation, or technological developments in Italy, please join IoTItaly.

Ralf Neudel, Head of Collaboratve Research at IRT & New European Media Technology Platform NGI Working Group pitched on how NGI can bring together stakeholders from the media industry comprised of creative people developing media content of the future that is personalised but not tracking your data and giving it all away for economic purposes. There is so much we can do within NGI and it shouldn't be defined by technology; technical terms and buzzwords shouldn't be allowed to distract us. NGI could be the perfect place for this kind of collaboration.

Christian de Larrinaga, Firsthand, UK and Internet Society UK - England chapter explained his rational for coming here to learn about how the EC programme can help build the NGI. Infrastructures should be in place so people can self serve and implement in an efficient way, with EU values taken into account. The current architecture has allowed very large entitites to strike up the ability to manage how we use the internet as well as focus on the data economy, where there is innovation in the hands of the few. NGI could help us to look at other more effective infrastructures and architectures to overcome this situation.

Marta Arniani Director Futuribile and NGI Awards - NGI Move project pitched the concepts of Futurible as something that could be the future if certain conditions are met. It's better to work on the conditions if you want to change the future. Let's not try to be another ivory tower of technology. Within the NGI Move project, we are organising NGI salons across Europe where we talk not only with technologists but also artists and curators. Please get involved in the salons and the NGI awards. Follow the events at https://www.ngi.eu/events/. There is a sense from meeting companies that "this is too big for me" in relation to the open calls, but that shouldn't be the case. Please get involved!

Riaan de Nysschen & Wim Vandebroeck, GIG Europe found the event today quite interesting and are trying to address some NGI items as a small start-up involving the building of software and edge cloud that is green. The idea is to use blockchain that enables smart contracts to buy and sell capacity on a distibuted cloud grid. They are building the first distributed cloud grid that is considered green as there is no need to spend any unnecessary compute cycles as data can be deployed locally close to the end user. We have already enabled a blockchain on top of this to make this seamless. GIG Europe are holding an event on 24th April 2018 in Ghent. Please check the GIG Eurps Linkedin for more details. More information on GIG Europe can be found at https://www.gigeurope.tech/.

Roberto Minerva, SoftFIRE/EIT Digital, Italy was pitching two ideas: 1. Softwarisation of the network and in EU and 2. today we were talking about identity and cultural heritage and we would like to apply softwarisation to cultural heritage. This can be exploited and promoted via NGI.

Chiara Carrozza, European University Institute pitched on the Institute that is working with regulation

[33] http://www.iotitaly.net/

and governance in media sectors, telecoms and the digital single market. They carry out research, education, training, and organise policy events. They are interested to find out how they can contribute to a new model for challenges posed by the Internet so that fundamental righs and freedoms are acknowledged. Looking at these from a perspective of online platforms is how we would like to participate in NGI.

The final panel discussion focussed on NGI Business, Career & Funding Opportunities for start-ups with the following participants:

Moderator: Andrea Signorelli, La Stampa, Italy

Panelists: Michele Foradori, Unicredit Start Lab, Italy; Andrea Claudi, ADB, Italy; Filippo Tramelli, Primopiano Scrl, Italy; Silvana Muscella, NGI Open Consultation Platform, UK.

The session started with a discussion on how there are some synergies between NGI & European Open Science Cloud (EOSC[34]) and how one could build on the other, starting with a roadmap and implementation plan together. The EOSC, expected to be realised in 2020, will be developed as a data infrastructure commons serving the needs of scientists in EU's research community. There are clearly some areas where some of what is going on in EOSC can be applied towards NGI. Therefore, the question was raised: Can we implement an NGI the same way that the EU's research community is addressing and implementing an EOSC? How do we capitalise on some of the funding to capitalise on the available NGI funding. Both NGI and EOSC have a human centric aspect and focus on building the links between People, Data, Services, Training, Publications, Projects and organisations as part of a democratic infrastructure.

This led into discussions about sustainability and funding models that the panelists recognised as not a trivial problem. How would the sustainability model of the EOSC compare with the sustainability model of the NGI? It was pointed out that NGI, just like the EOSC, will trigger a funding model from Member States.

Could a sustainability model operate in NGI based on money transfers as a cloud coin? There have been different models around procurement that could be looked at and we will have to consider private companies as well, which also want research data. All of these are coming out and should be addressed.

Is there any available practical frameworks for funding that could be applied towards NGI? Michele Foradori, Unicredit Start Lab, Italy said he wasn't aware of any financial framework for sustainability structured around NGI yet, nor any for that matter yet designed to follow up European Commission calls. In order to start one, there will need to be internal skills training to understand how to examine the Capex and others from these finishing projects. There could be some funding opportunities, such as start up labs funds and an accelerator programme. We can give the contacts in a larger network of stakeholders to large corporates for mentoring. There is a Venture capital fund that has already been involved in IoT, AI, privacy and trust enhancing technologies. A lot of the Fintech industry is very interested in these technologies for use themselves. Another framework could be beyond banking, offering services to the company that is not just offering loans. It could offer accounting services for free (as part of a bundle package). These are some of the potential fundings to complement the European Commission funding.

The role of Universities in NGI was discussed by the panel as educators about better understanding the internet from a social perspective. We need a good understanding of who holds our data and owns our data. This needs to be spread to the society as much as possible. Having people who don't understand what is going on behind the scenes in google and facebook, is no longer feasible and must be corrected in the NGI programme. At the same time, we cannot really do without these things, so there is a lot of work to do to educate all age groups on these matters. This is a point we need to address in NGI. It was pointed out that Univeristies in Italy are starting to change, now with increased cooperation with industry as it is recognised that research needs to translate into innovation and this cannot happen without industry involvement.

Other instuments to support research other than funded research and innovation include cascade funding and vouchers that could take on different more flexible forms in the future, while using an open and transparent process. Again, we should look at some of the sustainability models of EOSC and other communities e.g. wikipedia and how they are sustained. Wikipedia is a large scale

[34] http://ec.europa.eu/research/openscience/index.cfm?pg=open-science-cloud

community led group and organisation that creates a brand and requests a donation. In this kind of model, you are part of a club where you get like-minded information from others in your community at low cost.

In terms of professions being offered by NGI, a number of cities including Paris, Berlin and London have a strong culture to feed the young students with Computer Science backgrounds focused on data to work towards these kinds of NGI topics. In Italy, it is a bit more classic in how they operate. If you want to innovate in Italy, the money available is lower than in other places, so the ones wanting more money generally migrate. The talents are there in Italy and the NGI programme should be utilised in order to keep the talents in Italy and EU via this programme, one of the first programmes to embrace this new form of easy entry to research and innovation model.

The NGI technologies could offer new career opportunities in blockchain technologies and others. The right technology can lead to paradigm shift in society and change takes time anyway to modify the habits of society. And the reach of NGI could extend to other more classical professions, such as architects, transport sector, etc. There will be new more private and trustworthy social networks and instant message systems based on blockchain. It was remarked that we will need to move from Next Generation Internet (NGI) to Next Generation Marketing (NGM) and involve those who think about ethics and claims and those who think about the man/machine relationships.

Margherita Facca from Martel Innovate (HUB4NGI project) presented the web platform of the NGI initiative[35]. A number of the key elements were highlighted including how to join the NGI initiative, access to the NGI Online Map[36] , NGI Consultation platform[37] , Events[38] , News[39] , and NGI-Awards[40]. It is also a source of information on the open NGI call information.

She invited workshop participants to the annual NGI Forum taking place on 13th September 2018 in Porto, Portugal. For more information, please visit and re-visit https://www.ngi.eu/event/ngi-forum-2018/?instance_id=88 to get more information on the event as it unfolds.

Finally, please subscribe to the NGI newsletter[41] to stay updated!

Memorable Take-aways and Call to Action

By focusing on the NGI offer and opportunities, the SpeakNGI.eu workshop helped to shape future directions for EU human-centric values to thrive under a new and multi-faceted approach to EC funding and stakeholder engagement.

Take-away #1 - A forum for new NGI innovators: The workshop was an example of how new and diverse players can become part of the NGI community in a multi-disciplinary, multi-organisational approach to building the next generation internet. It was the first workshop to highlight the many opportunities to engage with the NGI through a compelling, collective offer driven by SpeakNGI.eu, NGI Move, Engine Room, and Hub4NGI.

Take-away #2 - Driving a new internet for the next generation: NGI needs to be the catalyst for disrupting the current Internet, driving new approaches on how we can make the internet less centralised and controlled by the few to a more open internet. Technology should be driven by societal values to frame the use of the next generation of Artificial Intelligence, security, privacy and trust components. A number of EU values were explored during the workshop, such as and these are highlighted here.

EU values high on the agenda:

> **Open data for societal purposes.** NGI should consider the use of open data for a useful purpose and not just for making money like making something smart for all of society. The NGI should also explore ways to use open source hardware and software, as well as edge

[35] https://www.ngi.eu/
[36] https://www.ngi.eu/ngi-map/
[37] https://consultation.ngi.eu/
[38] https://www.ngi.eu/events/
[39] https://www.ngi.eu/news/
[40] https://www.ngi.eu/ngi-awards/
[41] https://www.ngi.eu/subscribe/

computing approaches for connecting people in innovative ways.
Control over data: In the NGI, we must focus both on control of our data as well as control of our identity, which is ever increasingly being centralised by a few large organisations, which delimits OUR control. The workshop highlighted the current trend "if you are not paying, you are the product", illustrating how the NGI can help turn this around in the drive towards a human-centric internet based on solid EU values.
Privacy as a fundamental EU right: The NGI should look at innovative ways of creating a privacy data market place, where privacy is a fundamental human right, while ensuring added value for EU businesses. In other words, when privacy is understood as control over one's own data, it can also mean sharing of information based on a conscious choice for other societal benefits.

The EU should be lauded on GDPR as the landscape of the identity world is fraught with potentially large abuses of valuable personal data in a centralised landscape, if not addressed agressively through regulation.

New wave of innovations: BLOCKCERTS[42], the Open Standard for Blockchain Certificates, is a good example of NGI where the underlying goal is to enable a wave of innovation that gives individuals the capacity to possess and share their own official records. For ongoing development, this open-source project actively encourages other collaborators to get involved so this would be a good opportunity for the involvement of NGI communities.

A number of references were given on new solutions that could be applied to the NGI, including: Identity For All[43]: Permanent Digital Identities that Don't Require a Central Authority and ENIGMA[44]: Find Truth about Data is an ambitious initiative that provides the content, tools, and expertise to empower organisations looking to make sense of the world through data.

Takeaway #3 – a new offer for a new approach to EC funding: The Commission is trying to accomplish "New things done in new ways!" with NGI. Within NGI, the work programme definition is based on a consultation activity for each of the calls to determine the most appropriate topics for consideration in NGI, which has led to two upcoming calls: Call 1, ICT-24-2018[45]: Closure: 17th April 2018. It is expected that NGI will be a main pillar within the Multi-Annual Financial Framework (MFF) programme in the post H2020. In NGI, we are reaching out to the hard-to-reach stakeholders that wouldn't normally involve themselves in EU framework programmes, including SMEs, high tech start-ups, and even individuals can participate. The available components of NGI were highlighted during the workshop.

Consultation Platform and Knowledge Base: the NGI consultation platform[46] offers a place for innovators from research, SMEs and start-ups to discuss, debate and put forward ideas for a novel programme of developing a human centric next generation internet. Through its knowledge base, the project regularly moderates, collates and reports[47] the information into an open platform available to proactively capture the inputs from the multi-stakeholders in the NGI communities.

Recognition of innovation: The NGI Awards[48] is an initiative of the NGI Move project to highlight new role models in the NGI communities. There are different categories of awards, including NGI Start-up awards and NGI Researcher awards. The awards will be open from April to September 2018. After a selection process, the awards will be distributed during 4YFN 2019 in February, 2019. The NGI Move project is organising NGI salons across Europe involving not only technologists but also artists and curators. Please get involved in the salons and the NGI awards. Follow the events at https://www.ngi.eu/events/.

[42] https://www.blockcerts.org/
[43] http://sovrin.org/
[44] http://www.enigma.com/
[45] Info at https://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/ict-24-2018-2019.html
[46] https://consultation.ngi.eu/
[47] https://consultation.ngi.eu/ngi-consultation-platform-summary-report.
[48] https://www.ngi.eu/ngi-awards/

The NGI Online map[49]: The NGI Map is a unique opportunity for innovators in the NGI space to highlight and their work. The map is designed for start-ups, SMEs, research groups and other organisations who can contribute to socio-technical developments. The aim is to help identify the many and diverse players with a potential to shape the NGI.

Research topics 2019: EngineRoom presented the nine key NGI topics of high interest for the NGI Work Programme 2019 based on their findings and consensus building recent event, Reimagining The Internet – Building Radical New Alternatives For A More Democratic Future Internet[50], held at NESTA, UK, on 21st March 2018.

Takeaway #4 – new synergies established to extend engagement: The media sector, which stretches across cretivity, technology, and business with many micro SMEs, has many links with NGI and is a key driver for innovation in the internet. The workshop was an opportunity to take forward synergies with the NEM Technology platform[51] (NEM) and its working group on NGI[52]. Another synergy is linked to EURODOC[53], the European Council for Doctoral Candidates and Junior Researchers. Universities have a strong role to play in education on values and digital rights, looking at ways that all of society can benefit equally. Ethics should take precedence over pure money-making tactics in educating students. This kind of education, including the digital rights, should be started in primary school.

Call to action: Please join with us at the annual NGI Forum[54] taking place on 13th September 2018, in Porto, Portugal to continue shaping NGI.

https://www.ngi.eu/

https://consultation.ngi.eu/

https://consultation.ngi.eu/knowledge-base

https://www.ngi.eu/ngi-map/

https://www.ngi.eu/ngi-awards/

[49] https://www.ngi.eu/ngi-map/.
[50] https://www.ngi.eu/event/reimagining-the-internet/?instance_id=94.
[51] https://nem-initiative.org/.
[52] NEM Working Group paper on NGI available at https://bit.ly/2pHYLIH.
[53] http://www.eurodoc.net/.
[54] https://www.ngi.eu/event/ngi-forum-2018/?instance_id=88.

4 Outcomes of the 1st ECP Face-to-Face Meeting

4.1 Objectives and Agenda

This was the first Face-to-Face meeting of the SpeakNGI.eu project and European Champions Panel (ECP) members; although a number of audio conferences have already been held (see Annex 1).

The main objectives of the 1st Face-to-Face Meeting with the SpeakNGI.eu ECP on 26th March, 2018, in Milan, Italy, were the following:

- Updating the ECP constituency and actions taken so far.
- Presenting potential new ECP members.
- Gathering inputs from the ECP members on the NGI offer and funding opportunities.
- Simulating workshop sessions and contributions from participating ECP members.
- Defining plans based on an event and meeting timeline provided for the meeting.

All members of the ECP were invited to the meeting. Six members confirmed participation, and also contributed actively to the workshop, including:

- Alessandro Bassi, IoT Italy.
- Ales Cernivec, XLAB.
- Michel Drescher, MTRL.
- Tua Huomo, VTT.
- Monique Morrow, The Humanized Internet.
- Jamal Shahin, Vrije Universiteit Brussel and University of Amsterdam. GIPO Community.

SpeakNGI.eu participants: Paolo Lombardi, Silvana Muscella, Stephanie Parker, Holly Ellis from Trust-IT and Jim Clarke from WIT.

Location: Hotel Arcimboldi meeting room - Viale Sarca 336, Milan		
Time	***Description***	***Who***
17:00 - 18:00	*Welcome coffee*	
18:00 - 18:30	Introductions & tour-de-table	Paolo Lombardi, Principal Investigator for SpeakNGI.eu @ Trust-IT Services
18:30 - 18:45	Recap of the activities of the European Champions Panel, status of engagement, progress of work of the Panel, and expectations from the ECP	Stephanie Parker, ECP Task Leader for SpeakNGI.eu
18:45 - 19:15	Preparation of the workshop - review of discussions and role play	Facilitator: Paolo Lombardi
19:15 - 19:45	Review of the ongoing activities. Contributions to the consultation platform and knowledge base. Stakeholder engagement. Distribution & comments on the latest NGI Study. Open discussion.	Facilitator: Stephanie Parker
19:45 - 20:00	Planning of the next 12 months of activities for the ECP. Wrap-up & conclusions	Stephanie Parker, ECP Task Leader for SpeakNGI.eu & Jim Clarke, SpeakNGI.eu Coordinator
20:00 onwards	*Working dinner @ Restaurant Il Montalcino - Via Valenza 17, corner Alzaia Naviglio Grande, Milan*	

Figure 9: ECP Meeting Agenda

4.2 Stakeholder Alignment and Potential New Members

Participants discussed current[55] and expected new ECP members and how they align with the 8 SpeakNGI.eu "Stakeholder Categories": Category 1: Multidisciplinary NGI researchers; Category 2: Innovation platforms & IT clusters; Category 3: IT Operators and Service Providers; Category 4: High tech Start-ups & SMEs; Category 5: Internet Policy Experts and Activists; Category 6: Policy makers, Funding Agencies including EU & national digital agencies; Category 7: Civil Society; Category 8: Standards Organisation.

Multiple entries were indicated in the ECP survey, so far completed by 7 members (see D2.2). The table below provides a mapping of current ECP members and potential new ones based on on-going discussions (dark shades indicate the main stakeholder category).

ECP Member	Cat. 1	Cat. 2	Cat. 3	Cat. 4	Cat. 5	Cat. 6	Cat. 7	Cat. 8
Alessandro Bassi, President IoT Italy								
Ales Cernivec, CISO, XLAB								
Frédéric Donck, Dir, EU Regional Bureau, ISOC								
Michel Drescher, CTO, MTRL								
Mireille Hildebrandt, Research professor								
Geir Horn, Head of EU ICT projects, Oslo University								
Tua Huomo, VP, VTT[56]								
Wolfgang Jamann, Executive Director, International Civil Society Centre								
Anna Monreale, Associate Professor								
Monique Morrow, Women in Technology								
Stephen O'Reilly, H2020 NCP								
Ian Osborne,								

[55] https://consultation.ngi.eu/ecp.
[56] Recently appointed as Strategic Advisor of EIT Digital; contributor to BDVA.

Head of Complex Systems, KTN								
Aljosa Pasic, Technology Transfer Dir., Atos								
Jamal Shahin, senior lecturer								
Ray Walshe, BDVA Standardisation Chair								
Potential New ECP Members								
Chris Buckbridge, Ext. Relations Manager, RIPE NCC								
Christian de Larrinaga, founder Firsthand Network								
IEEE Internet Policy (EU representative)								
Nuno Varandas, Co-Founder and BizDev Projects Expert @F6S								

Table 3: Updated ECP Stakeholder Mapping

One of the drivers for extending the ECP is to increase coverage of internet policy and societal aspects, as well as extend reach to those companies and individuals that do not usually apply for EU funding. From a policy perspective, two new members would be recruited. One is expected from RIPE NCC as the regional internet registry and secretariat for the RIPE community, supporting the internet through technical coordination, as proposed by Jamal Shahin. The other would be an EU representative from the IEEE Internet Policy as a platform that helps to connect the technical community with global policymaking for internet governance, cyber security and privacy to inform debate and help ensure best practices.

The ECP survey shows that much more work is needed within the NGI to raise the level of awareness about **internet governance** and **civil society**, and find the best paths to engagement. It is very important to overcome potential barriers such as competing priorities and lack of human resources.

ECP specialists in these areas have also indicated several channels and events for engagement, while also providing their perspectives on the challenges ahead.

The upcoming launch of the integrated GIPO Community into the NGI Consultation Platform will be a key starting point for intensifying engagement.

Perspectives on engagement targeting internet policy and civil society stakeholders
Short-term: define a strategy to engage with ICT researchers from the business sector and engineering fields. The focus should be on “learning”, enabling a common language between these stakeholders and policy decision makers to reduce the “communications gap”: what is internet governance and how does it relate to NGI? Several SpeakNGI.eu surveys seem to point to a lack of understanding about the role of internet governance, particularly amongst the younger generation of researchers. Initial discussions therefore need to clarify internet policy on the one hand, and the NGI vision on the other, without too many technicalities. Mid-term: Build stronger links beyond specialist institutes by engaging with stakeholders from social sciences and the humanities and internet researchers. ECP advice is to focus on broader activities that specifically target stakeholders “while they are in their home discipline”. Longer term: become “fully-fledged” and valued research partners taking a human-centric perspective on what digital era formation means for society.
It is vitally important to give Civil Society stakeholders a voice in the NGI space including organised groups, activists and citizens so they can help achieve the NGI potential. Such potential has many dimensions, from improving people’s daily lives and professions (practical) to ensuring inclusion and participation (political), as well as economically by improving access to opportunities. However, it is also important that the debate covers negative aspects, from increased inequality (lack of access) to the monopolisation of economic developments and innovation.
The internet - as opposed to the Internet - is no longer the "techie’s" playground. From a technical point of view, it fundamentally underpins and enables all kinds of networked, distributed, disparate, coordinated, uncoordinated, benevolent, malevolent, despicable, admirable and all other activities, businesses, services of sorts. It is increasingly seen as the coagulation of the underpinning technology, the services that make use of it, and the actual added value these are generating. From that perspective, it has fundamentally re-shaped the perception and composition of everyday activities: Companies are no longer "tech companies" or the adverse - every company is a tech company and needs to be one simply out of necessity: This is the heart of the digital transformation. On the civil society front, similar trends are emerging, what could be dubbed as "the giant awakens", though with all the unpleasant side effects of mirroring and magnifying society's makeup into the digital space. Therefore, the next generation internet needs to address the challenges in what is in military terms called a "pincer movement": Tackle the technological revolution to become a truly immersive medium at unprecedented scale, while at the same time exploit the technological advances to prepare and elevate society beyond its currently unlearned usage and assessment of social media and digital services at large: Often dubbed as "digital competence", "social media competence" or other vaguely digital/electronic-related skills, citizens need to be given ample opportunity and access to information and material to be able to advance from current coping skills to mature processing skills for the new digital era.
Ethics needs to be part of the narrative in relation to NGI technologies.

Table 4: ECP Engagement Pointers for Internet Policy and Civil Society

New perspectives on **high-tech Start-ups and SMEs** would come from the inclusion of two additional ECP members that operate in this space. Both the proposed new members come directly from activities tied to the 1st SpeakNGI.eu workshop. Drivers include ensuring both a strategic and pragmatic approach to supporting this stakeholder category. Pragmatically, the participation of the Portuguese expert could provide insights into information needs and interest towards NGI while also supporting the project’s contributions to the NGI Forum in September 2018, creating a vital national link.

Strategically, new members in this space could help SpeakNGI.eu define specific market needs in relation to NGI, such as a workplan that meets the needs of micro businesses and SMEs in the single market without having to become dependent on large platforms. How can we establish a home-grown capacity to build their online business and communications network that has the managed quality of the large web platforms of today but with portability and other aspects to support independence? How can fill the gap between the capabilities of the centralised platforms and those of decentralised or self-serve platforms? This gap is narrowing in terms of technology but not in terms of market access. The gaps between these projects are significant and the bridging of these gaps and establishing a viable market capacity is crucial if a more human-scale internet is to emerge.

The need to increase female participation was also highlighted.

4.3 Inputs on Stakeholder Engagement

Additional perspectives gathered during the meeting are summarised below. These mostly focus on multi-disciplinary research, start-ups and SMEs while highlighting links SpeakNGI.eu can draw on through its ECP.

ECP Perspectives
Multi-disciplinary research and innovation • Emergence of nano technologies, artificial intelligence and big data. Expected new discoveries and knowledge, confronting new ways of doing things. Impacts of infrastructure-as-networking. • Overcoming the limitations of blockchain. • Innovations especially in traditional industry segments such as manufacturing, energy and logistics are important steps in digitalisation/autonomous systems & renewing of industry though not necessarily mind-blowing. • Impacts of change in terms of combining technologies (photonics/HW sensors, SW, AI, etc.,), systems side, security/privacy and impacts on the society (disruption of work, ethics).
Start-ups and SMEs • IoT architecture and cloud computing: innovations and impacts on small businesses. • Use of state of the art technologies in new agile and rapid development of new services with innovations covering the complete development cycle. Development tools should be made easier to use without spending time deploying them. Services should be easier to deploy, test and to make security assessments; service runtime and deployment cycle should be already set and templates provided (through marketplace(s) and use of already pre-set pipelines). I New services emerging from service marketplaces with data sources (from IoT devices) and (AI) tools. This is the kind of platform that should contribute to the Next Generation of services for the internet - open, transparent. • Encouraging small businesses to try out new things.
Sample of ECP Linkages • Research work where data is a common feature, including ECP links with the BDVA, its network and work on standardisation. • Research on blockchain and AI as presented at the RDA Europe Innovation Summit in January 2018. • Presidency of IoT Italy and its support of high-tech SMEs working in diverse sectors with a focus on taking IoT to new application areas. • Close links to EIT Digital, including its incubator and business network. • Finnish Ministry support of U-Space Business. • Rapporteur of Working Group "Switching and Porting between Providers Code of Conduct" at EU DSM cloud stakeholder community. • GIPO community. • ISOC • RIPE NCC.

Table 5: ECP Perspectives on Multi-disciplinary research and Small Businesses

4.4 Future Planning

The figure below provides a visual roadmap of activities for ECP engagement and inputs as it stands today. Several events have been identified in the coming months to trigger the debate on NGI to a wide range of stakeholders. Updates will be provided in due course.

It is recognised that it is oftentimes difficult to get together as an entire ECP group and, at the same time, the ECP members are champions in other relevant groups/initiatives/platforms due to their significant expertise, and they all agreed to champion the NGI in their own constituencies' events, and will feed this back into the NGI activities.

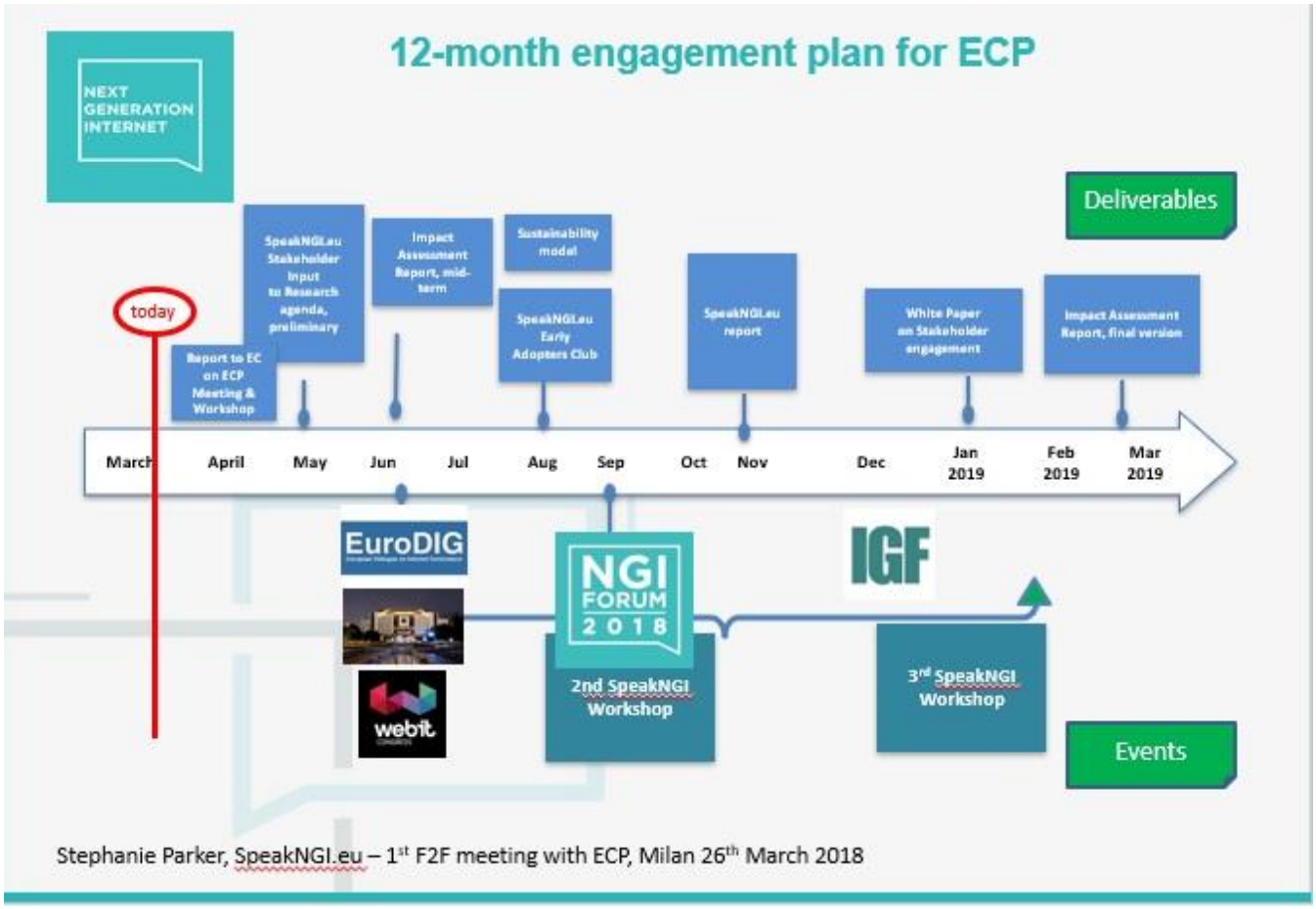

Figure 10: ECP Engagement Timeline

5 Conclusions and Future Steps

The main conclusions emerging from this deliverable are the following:

1. **Benefits of an Inter-CSA approach.** The workshop demonstrated the advantages of a collective, Inter-CSA cross cutting approach to fully cover the NGI offer and funding opportunities. Such an approach gives participants, present at the workshop or through the live streaming, a 360° view of NGI, enabling a good understanding of the issues being addressed and how they can contribute towards the NGI vision.

2. **Benefits of ECP participation.** The workshop offered an opportunity to leverage the diverse expertise within the ECP and distil this knowledge during the event. Insights are highly complementary with the NGI vision, bringing added value that is both strategic and practical by also sharing advice applicable to the Inter-CSA to improve on the NGI offer and ensure effective engagement with stakeholders.

3. **Shaping the NGI dialogue.** The workshop highlighted issues of broad interest to participants that will help drive a new internet for the next generation. These issues span market disruption, decentralised approaches, security, privacy and control over data, trust, as well as openness and transparency, including open data for societal purposes. The workshop also revealed a willingness for further collaboration across different stakeholder groups on internet governance, understanding each other and bridging the communities together to define a common set of terms as the basis for discussion.

4. **New synergies and new stakeholders on board NGI**. The workshop helped establish or strengthen relevant synergies for NGI, such as the NEM Technology platform (NEM) and its working group on NGI. The media sector, which stretches across creativity, technology, and business with many micro SMEs, has many links with NGI and is a key driver for innovating the internet. Another important synergy was with EURODOC, the European Council for Doctoral Candidates and Junior Researchers. Universities have a strong role to play in education on values and digital rights, looking at ways that all of society can benefit equally.
   The workshop helped identify some hard-to-reach stakeholders, from incubators to large enterprise, local IT hubs and innovative initiatives, which can be the basis for the Early Adopters Club.

A roadmap for future actions in relation to the NGI European Champions Panel (ECP), with discussions on-going to keep the roadmap up-to-date, has been presented in Figure 10 in section 4.

Annex 1. Report of the Kick-off audio conferences with the ECP members

. Ares(2018)594699 - 31/01/2018

Project Title	Citizen-driven open consultation on Next Generation Internet — SpeakNGI.eu
Project Acronym	SpeakNGI.eu
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Call	Next Generation Internet (H2020-ICT-41-2017)
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Duration of Project	18 Months
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D4.2 SPEAKNGI.EU REPORT FROM THE 1ST EVENT (Kick – Off audio conferences with ECP)

Work Package	WP4, Communication, Concertation and Sustainability
Lead Author (Org)	Jim Clarke (WIT), Stephanie Parker (Trust-IT Services)
Contributing Author(s) (Org)	Paul Malone (WIT), Holly Ellis (Trust-IT Services)
Due Date	31.01.2018
Date	31.01.2018
Version	V1.0

Dissemination Level

X	PU: Public
	PP: Restricted to other programme participants (including the Commission)
	RE: Restricted to a group specified by the consortium (including the Commission)
	CO: Confidential, only for members of the consortium (including the Commission)

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0.7	25.01.2018	Jim Clarke	V0.7 (added additional material on meeting)
0.8	26.01.2018	Jim Clarke, Holly Ellis	V0.8 (added additional material including summary table of all NGI related events)
0.9	29.01.2018	Paul Malone	Final review
1.0	31/01/2018	Jim Clarke	Submission ready

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Executive Summary

As per the DoA requirement, during month 2 of the project, November, 2017, in order to kick off the European Champion Panel (ECP), the project held two audio conference meetings with the ECP members and this deliverable will provide a summary of these meetings. Each of these meetings took the following format:

1. *Tour deTable*
2. *Overview of SpeakNGI.eu and the entire NGI CSA ecosystem*
3. *ECP Terms of Reference and Consultation Platform*
4. *Dissemination on ECP*
5. *Upcoming events and activities related to NGI*
6. *Actions arising from the meeting*

This document gives a detailed account of these first events including the presentation given by the project members.

The meetings were well attended and the ECP members exhibited a significant degree of interest in actively participating in the NGI programme in close collaboration by contributing to the SpeakNGI.eu project's consultation platform and knowledge base and participation to dedicated workshops along with the other NGI CSAs.

1 Introduction

1.1 Purpose and Scope

In the first period of the SpeakNGI.eu project, considerable effort was made on the integration between the three new CSAs, EU Engineroom, SpeakNGI.eu, and NGI Move, and the existing CSA, HUB4NGI.

This integration process included a number of Face to Face meetings, as two day NGI Management Team (NGI MT) meetings held in September and November, 2017, in Brussels and monthly Inter-CSA Working Group audio conference call meetings, and also via weekly audio calls of two task forces (TF), namely the Communications TF and Stakeholders TF. The minutes for these meetings are kept in the owncloud repository for the NGI suite of projects and the NGI MT

As per the DoA requirement, during month 2 of the project, November, 2017, in order to kick off the European Champion Panel (ECP), the project held two audio conference meetings with the ECP members and this deliverable will provide a summary of these meetings.

In addition, there were a number of other high profile external events and NGI related webinars in the period to which the SpeakNGI.eu project partners participated, whose purpose was to gather together and promote the NGI programme and especially promote the NGI Consultation platform. These networking session events were held at the ICT Proposers Day in Budapest, during November, 2017 and at the Internet Governance Forum (IGF) in Geneva, held in December, 2017. In both of these events, there was a dedicated NGI stand and networking session, and the SpeakNGI.eu project members in attendance took part as active participants and speakers within the sessions, where appropriate. In order to keep track of all of the events, SpeakNGI.eu partner, Trust-IT Services Ltd., has undertaken to produce an online table (available via owncloud to all projects and Commission) to keep track of all of the events of relevance to the NGI programme.

1.2 Relationship to other project deliverables

As this is the first report of the events of the project, it doesn't have a significant relationship with the other project deliverables, apart from highlighting the need for the NGI communities to contribute to the discussion channels within the project's Consultation Platform / Knowledge base (Deliverable D2.1).

1.3 Structure of the document

The document is organised as follows:

- Section 2 summarises the ECP Kick Off meeting(s) results.
- Appendix 1 contains the presentation made during the ECP Kick off meeting;

2 ECP Kick off Meeting

2.1 Introduction

A set of two kick-off meetings of the European Champion Panel (ECP) of the SpeakNGI.eu project were held on 16th and 28th November, 2017 via audio conference. It was decided to hold the meeting via audio call after doing initial polling for a face to face meeting, and due to the fact it was a very busy period for both the project and ECP members, it was decided that the most prudent method for the meeting was via audio conference. This report contains a summary of both of the meetings in a combined report.

In attendance at the ECP Kick off meetings were the following:

- Jim Clarke - SpeakNGI.eu, WIT (Mtg. 1 & 2)
- Paul Malone - SpeakNGI.eu, WIT (Mtg. 1 & 2)
- Stephanie Parker - SpeakNGI.eu, Trust-IT Services (Mtg. 1 & 2)
- Aleš Černivec – ECP (Mtg. 1 & 2)
- Michel Drescher – ECP (Mtg. 1 & 2)
- Aljosa Pasic, ECP (Mtg. 1)
- Tua Huomo, ECP (Mtg. 1)
- Alessandro Bassi, ECP (Mtg. 1)
- Stephen O'Reilly (Mtg. 2)
- Geir Horn (Mtg. 2)

Apologies were received from the following members:

- Mirko Presser, ECP
- Monique Morrow, EXP
- Ian Osborne, ECP
- Mireille Hildebrandt

2.2 Agenda Items and Results

1. Tour de table

Jim Clarke provided an overview of his experiences in EU-funded projects, including his involvement in cyber security (international in various countries), and more recent coordinating the now finished CeFIMS-CONNECT http://www.cefims.eu/, a former FIRE project supporting Future Internet Forum of Member States and Associated countries (FIF). The FIF is an ongoing body set up by DG Connect and the Member States reps to keep in contact in terms of alignment with national initiatives related to the topics of the moment, for example, Future Internet - FIRE, FIWARE, etc., Internet of Things, Cloud computing consultation, and now the most important being NGI. Along with being coordinator of SpeakNGI.eu, he is now an official FIF member and NGI contact point for Ireland, which gives a good interaction between what is going on at the EU level in NGI and what is going on at the national level). Stephanie commented that the work of the FIF was related work in CI-FIRE (which looked at the sustainability models within FIRE).

Tua Huomo: VTT: Actively engaged in data-driven research, future internet technologies like AI, cloud architectures. Trust-IT involved in 5G-ENSURE (security, privacy, trust) coordinated by VTT. Trust-IT has known Tua through her involvement in a Finnish cloud project (an early mover) and through Tua's role as Cloud Leader in EIT Digital with contributions to Cloudscape.

Michel Drescher: Active for the past 20 years in EC programmes, especially in relation to work in standards. Thesis written on AI and robotics. CS applied to biology. Has also worked on HPC and with Nokia, European Grid computing. Affiliated with Oxford Univ. and working with SMEs and how to get into the market. Worked with Oxford University as part of 5G-ENSURE.

Aljosa Pasic: Has been involved in Cybersecurity and eGovernance projects over the last 20 years - now in technology transfer - push and pull in various markets. Works in projects related to Int'l cooperation, Cloud, and Cybersecurity.

Aleš Černivec: involved in cyber security project (IA) WISER. CSO at XLAB with 10+-year experience in EU projects. Increasingly open data initiatives, mostly at national level - open data and inteorperability portal for Slovenia.

Alessandro Bassi - graduated in 1994 in Computer Science. In his early career, he worked for Amadeus, University of Tennessee, Ecole Normale Superieure in Lyon, France and RIPE NCC. In Nov. 2004, he joined Hitachi Europe. Since Sept. 2010, he is an Independent Consultant, working on topics related to IoT, Cloud Storage and Smart Cities. He was the Technical Coordinator of the EU lighthouse project regarding the Internet of Things 'Internet of Things - Architecture" (IoT-A). He co-authored "Enabling Things to Talk" and "Designing, Developing and Facilitating Smart Cities".

Geir Horn: My background working with EU research for 30 years mostly in computing & HPC cloud computing & software related technologies. Also involved in CSAs on the use of technology and research. My contribution is based around how research can contribute to the NGI where all can benefit from.

Stephen O'Reilly: NCP for Ireland for multiple areas in H2020 & FP7. Prior to this, he has worked as researcher in microelectronics. Actively involved in the Idealist project, which gives access to a very large network of project participants. Have a good overview of the overall H2020 programme. In terms of this role, within Enterprise Ireland, they are tasked in supporting innovation in Ireland with SMEs and academia.

2. Overview of SpeakNGI.eu and the entire NGI CSA ecosystem:

Jim Clarke went through his presentation showing the purpose of the project and interactions with the other projects as a unified NGI ecosystem of projects (figure 1).

He explained the necessary close collaboration with 2 other CSAs funded in ICT-41 based on 3 strands (A. research topics, B. consultation, C. Programme Shaping) plus HUB4NGI, which started in Jan 2017, plus the NGI Study, which is defining topics for Call in WP2019. In essence, all 5 projects are acting as an NGI ecosystem project. We have spent a good bit of time in the first period aligning our ideas and

efforts. He explained the inter-CSA processes and the active involvement of the Commission and the necessity to set up working Task Forces (TFs) for aligning efforts across the projects under various topics such as Communications TF and Stakeholders TF. He explained how the Commission sees the ECP as important in outreach especially to those that don't normally get involved in H2020. The SpeakNGI objectives were explained in terms of how the other projects will work in synch together with us and vice versa and how our work had been 'forward loaded' from day 1 to meet strict deadlines. He explained how the Commission see the projects as helping to ensure that there is a high quality of proposals in the NGI space through 2018 & 2019 and beyond H2020.

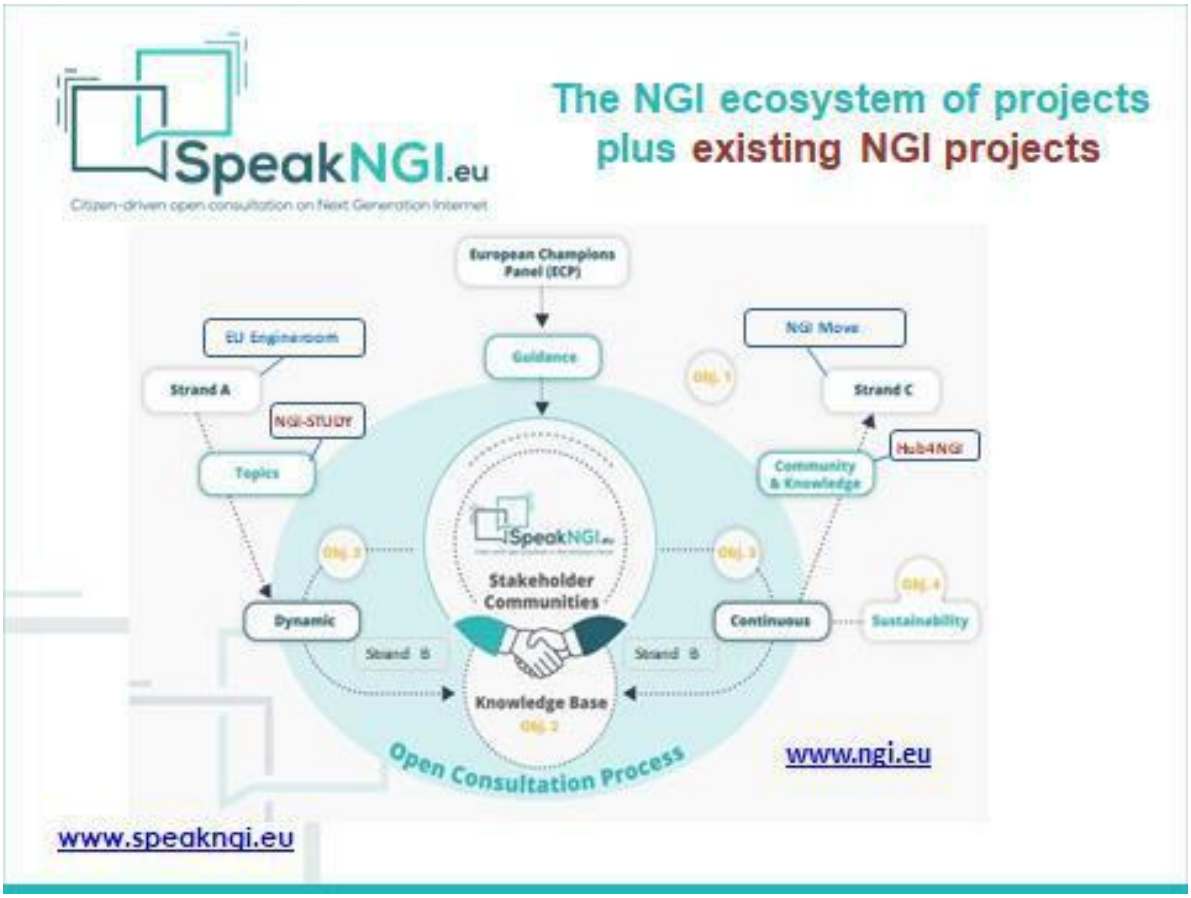

Figure 1 – NGI Ecosystem of projects (full slide set in Appendix 1)

It was explained how the Commission especially want the projects to bring on board stakeholders not usually involved in Research & Innovation (R&I) - and this is a role for the ECP also to help us to reach out to these stakeholders. There is a Stakeholder Task Force (that Paul Malone of WIT leads), whose objective is how to bring together different players to champion the NGI and aim for sustainable approaches without duplication. We are outlining a consistent, straightforward and non-duplicative approach within this Task Force.

The NGI Management Team (NGI-MT) meeting was held during the week on 21-22nd November, 2017, in Brussels, and it was requested to have ECP quotes and insights to share.

Ales: please clarify what is meant by the quotes, could they be provided via the consultation platform? Jim: Yes, that could be done via the consultation platform as well, it would be great but please let us know also as we will be travelling on Monday.

Jim mentioned another group of stakeholders in SpeakNGI.eu - the Early Adopters Club. The Early Adopters Club is composed of individuals and/or organisations that leverage the NGI technologies and services to improve their own infrastructure or technologies to provide to others. The Early Adopters Club will be showcased as best practitioners within the online presence. Through the ECP connections, we would like to know who from your communities would benefit from this. We would like to showcase who these early adopters are. In particular, please highlight those that active in the identified topics. If you could help us identify these organisations or people (even a 1-partner company) that can fit into the NGI ecosystem, it would be ideal.

We are looking to identify ways to connect the NGI ecosystem with civil society/citizen assemblies or organisations (e.g. the Irish Research Council), start-ups/SMEs and Early Adopters club and explained how the ECP can help us make a start collecting names/contacts of those not usually involved in the EU's research programmes.

Jim mentioned we can put you in touch with the national NGI contact points so that the ECP can be involved in those national NGI outreach events, which are also seeking to reach out to these kinds of attendees.

Steven O'Reilly provided insights into potential channels for reaching NGI stakeholders, including those segments not familiar with R&I funding streams, e.g. Idealist. It is, however, important to note that timely dissemination of future calls is very important such as the open calls in ICT-24. This will ensure a multiplier effect across stakeholder groups. This will also boost the message about openness and transparency. We should also consider NCP training events as a means to reach stakeholders - the format could be a short session on NGI. Bear also in mind 2018 events like NEM Technology Platform[1] and ICT2018, which will be held in Vienna.

Steven suggested that we also look at Societal Challenge 6 - contact points and other programmes, CAPS, CONNECT, etc. as a means to reach interested stakeholders. (Additional note: Blockchain is in the SME instrument; look also for related topics in other ICT calls for 2018).

Another role of the ECP is to disseminate results from previous calls related to NGI across the community as a showcase of the impact that can be achieved.

Stephanie asked for comments:

- Tua - France (Next week at the Big Data Value Association (BDVA) workshop) .. do we have connections with them? These were highlighted

1 https://nem-initiative.org/

as a key supporter of the NGI. Stephanie asked Tua to connect with BDVA and come back to us in this regard. Jim mentioned NEM technology platform and others have also shown significant interest during ICT proposers day and thereafter and there will be follow up with them and other Tech platforms.

- Michel - question regarding social media – is there a cheat sheet with common SM handles hashtags, etc. that we would like the ECP to use. Stephanie said she will send this in a follow up email. Stephanie mentioned Rob's LinkedIn group and requested that the ECP join that group. Michel noted that he is already registered with that LinkedIn group.

Jim requested for suggestions as to how we can reach out to the "non-Usual Suspects" type communities that don't normally get involved in EU programmes (e.g. start ups, entrepreneurs, civil society, etc.):

- Tua- this is always challenging. Using accelerators in each country is the best way to attract start-ups / entrepreneurs. Jim suggested he could put the ECP members in touch with the National NGI contact points as they were also tasked to do this in the national NGI outreach cafe sessions they are organising, to also involve these kinds of people in the sessions.

- Aljosa – explained some activities that Atos were involved in that might be of use but there is no silver bullet. Some examples include EIT digital, which is acting increasingly as an accelerator, has nodes (with fixed employees paid by EIT that form business developers network) and members, such as Atos. They use incentives like innovation awards and matching events. In addition, The Watify initiative is an awareness-raising campaign, funded by the European Commission, to stimulate the technological transformation of Europe's industry. Watify also use matching and awareness events. For example, Watify is organising an inter-regional matchmaking event on Innovative Solutions within the 9th European Innovation Summit Week, in cooperation with Knowledge4Innovation (K4I) at the premises of the European Parliament in Brussels. The matchmaking is starting at 12h30 on Tuesday, 28 November (right after the end of the EU Top 50 Start-up convention). This event offers the opportunity to speak and to connect to EU Top 50 Start Winners, potential business partners, global leaders, business investors, governmental innovators and intermediaries that can help you in the development of new innovative solutions in an informal way and in bilateral matchmaking sessions. To find out more about the event, including the agenda, participants and venue, please visit: https://watify-k4i-mme-on-innovative-solutions.b2match.io/. There are some other initiatives like SME harbour (UK) to help SMEs reach larger clients that usually only work with large companies such as Atos, Digital Catapult, Chambers of Commerce, etc.

3. ECP Terms of Reference and Consultation Platform

The ECP Terms of Reference was presented:

- ECP ROLE
  - Advisory service with pan-European vision
  - Representation of the priority fields & stakeholders needs & interests
  - Supervision of the consultation process
  - Working Group[2] supervision
  - Support to stakeholder engagement – ECP will be motivators and evangelizers.
- ECP FUNCTIONING PRINCIPLES
  - Pro-bono effort
  - Decisions made with at least 2/3 majority
  - Bi-monthly conference calls
  - Up to 2 physical meetings, travel is covered.
  - Dynamic, self-governing model for future sustainability.

In summary, the principle role of the ECP is as follows: The European Champions Panel (ECP) is a fundamental element of the Project organisational model, as it governs the process of the stakeholder engagement, having regard for diversity of composition and maintaining balance and integration of disciplines. Representatives of each stakeholder group within the ECP will inform and guide the project as to how to best engage with individual stakeholder groups using best-practices and strategies. The ECP will help the SpeakNGI.eu and indeed all of the NGI CSA projects to do the following:

Based on the above, we have brainstormed about what we feel the expected outcomes for the first ECP Workshop could be:

a. To gather input to a comprehensive NGI engagement plan to reach these hard-to-reach communities, to prepare them for the WP2018 and WP2019 calls;
b. Identify a plan of action for encouraging and motivating the stakeholders to participate in the NGI building process(via CP / KB) and the NGI programme itself (via project proposals) taking into account the current timeline of the NGI programme e.g. WP2018 topics, WP2019 topics, etc.;
c. Identify ways of attracting participants to become members of the Early Adopters Club;
d. Identify best-practices and strategies for engagement between the stakeholders, who normally would not be engaging together within the R&I

[2] It was explained that the original work groups as envisaged In the project have now been superseded by the NGI Salon events run by NGI Move project.

programmes in the following 8 areas: 1. Multidisciplinary NGI researchers in ICT, social sciences & humanities; 2. Innovation platforms & clusters; 3. ICT Operators; 4.Representatives from Standard Development Organisations (SDOs); 5. High tech Start-ups & SMEs; 6. Internet Policy Experts and Activists; 7. Policy makers, Funding Agencies including EU & national digital agencies; 8. Civil Society, NGOs, Citizens.

Consultation platform - Jim went through the slide set showing the pages you would first encounter, reached either by http://www.ngi.eu/ and clicking consultation or directly from https://consultation.ngi.eu/

Jim described the Consultation Platform and showed the front end in the slides. He stressed the need for understanding the challenges, the potential and actual solutions to help identify and understand the gaps that need to be addressed by research and innovation within these larger topics. This would be helping the proposal writers to put together better proposals with more comprehensive descriptions of the necessary sub-topics leading to better consortia and maximising impacts. Please check our consultation platform YouTube video at https://www.youtube.com/watch?v=XixTAZeWZgI#action=share and please share it widely.

It was suggested to take a look at the current discussion channels for WP2018 (Privacy and Enhancing Technologies, Decentralised Data Governance and Discovery and Identification + their necessary subtopics) as priority and WP2019 also, with a view to providing future contributions.

As shown in figure 2, Jim Clarke described the relationship between the Knowledge Base and the Consultation Platform and the stakeholders and how they relate to the overall goals for NGI research paths. Topics: values and scenarios within them; helping community map the topics. He explained the entire SpeakNGI.eu ecosystem and showed the role of the ECP at a high level.

There were no questions or comments, indicating the presentation was well understood by the ECP members.

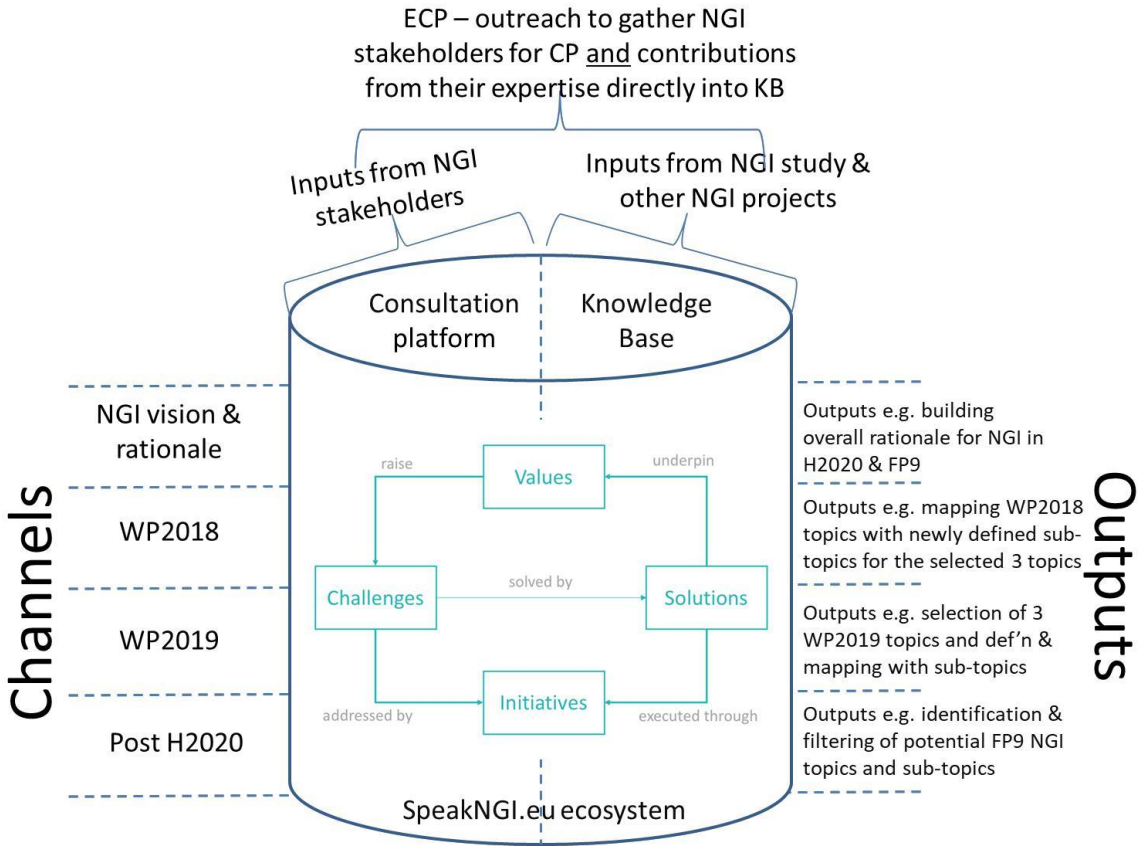

Figure 2 – SpeakNGI.eu ecosystem and how ECP can contribute

4. Dissemination on ECP

The project would like to disseminate information about the ECP members, especially to the Inter-CSA team and Commission next week at our NGI Planning team meeting on 21-22th November in Brussels.

It was explained how the ECP members could help with this aspect by providing a quote by next Monday, 4th December, 2017 on the most exciting thing about the NGI, most challenging thing. It would be very useful to have this for our meeting next Wednesday so please provide by Monday cob. e.g. The most exciting thing(s) about the NGI is/are ...., and the most challenging thing(s) is/are .....]

It was suggested that the ECP could also do it directly in the consultation platform, but a request was made to please send us a quick mail to let us know you have done it as we will be travelling already on Monday.

5. Upcoming events and activities related to NGI

Jim reported that events are still under definition but there will be an NGI presence at the Internet Governance Forum (IGF) event 18-21st December, 2017 (IGF, Geneva). NGI will have a dedicated stand. Further, events will be discussed at the NGI MT meeting next week and broadcast to the ECP thereafter. In the meantime, please check https://www.ngi.eu/events/ for some interesting NGI related events.

Ideally, we would like to identify any events you're involved in that could be interesting for SpeakNGI.eu. We would also like to identify topics that could form part

of the 1st ECP workshop in Q1 2018. Stephanie explained that we will share all planned NGI events to identify ways in which the ECP can contribute. ECP members can also share information on national events and other related NGI events.

A request to the members was asked of the members as to how we can reach out to the non-usual suspect type groups, namely those not normally involved in the EU R&I programmes. The answers were the following:

- Jim: In Ireland we are trying to get to the start-ups and entrepreneurs and providing incentive to participate in the smaller projects, where 80% of the funding will be used in each main topic. Also we are trying to get inputs from citizens to find out what they feel is needed and to feed back into the NGI programme via the consultation platform. This is where we are expecting the ECP members to provide assistance in reaching into their broader communities to raise awareness.
- Stephen gave some insights as someone who sits on the operations board for Idealist and broader ICT NCP community, which can help communicate through those groups.
    - Firstly, the 80% cascade funding must be transparent and must reach the correct communities, which is often difficult. For this programme to succeed, transparency and openness is vital.
    - In terms of Societal Challenge, SpeakNGI.eu should reach out to that NCP network also, and some of the CSAs in that space. Peter Brown is the Irish representative for this (in IRC). H2020.ie.
    - Look at the work of the Citizens Assembly in Ireland.
    - Ideal-IST runs training events for NCPs - you could consider NGI as a topic for training in this space. Could be a one day event.
    - ICT-Vienna 2018 would be a good event for promotion of NGI.

Jim made a point for the ECP members to please check events at http://ngi.eu/events and to contribute with any events they are aware of and not already listed.

6. Actions arising from the meeting

Action 1: All ECP members to send an updated short bio and photo that we could use for promotion.

Action 2: Paul to follow up with Tua on this point of reaching out to other stakeholders to feed into the Stakeholder TF. Stephanie asked other ECP members to also provide suggestions.

Action 3: Jim to put the ECP members in contact with the NGI contact points. Connectivity with the NGI contact points is normally handled through Hub4NGI so Jim will liaise with them also on it.

Action 4: Stephanie to resend the step by step details on how to contribute to the consultation platform.

Action 5: Can ECP members provide a quote by next Monday, 20th November,

2017 on the most exciting thing about the NGI, most challenging thing. It would be very useful to have this for our meeting next Wednesday so please provide by Monday cob. e.g. The most exciting thing(s) about the NGI is/are ...., and the most challenging thing(s) is/are .....]

Note: if you prefer to do it directly in the consultation platform, that is acceptable also but please send us a quick mail to let us know you have done it as we will be travelling already on Monday.

Action 6: The project will send a report of the meeting shortly.

Action 7: Paul Malone to follow up in making contact with Peter Brown and check on the Citizens Assembly in Ireland.

Action 8: ECP members to check the events list at http://ngi.eu/events and provide any other events to be included.

As of the submission date of this deliverable, all of the actions have been carried out, except for a small number of short bios and photos remain outstanding in action no. 1. This open action is being followed up on a regular basis.

Appendix I. Slide set used during the ECP KoM

SpeakNGI.eu
Citizen-driven open consultation on Next Generation Internet

Project representatives

Jim Clarke (Coord), Paul Malone – WIT

Stephanie Parker – Trust-IT Services

ECP Kick off Meeting no. 2

28th November, 2017

Waterford Institute *of* Technology

Trust-IT Services
Communicating ICT to markets

Support from the European Commission's Horizon 2020 Research and Innovation Programme, under Grant Agreement no. 780125 is gratefully acknowledged

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Agenda

- Tour de table
- Overview of SpeakNGI.eu and the entire NGI CSA ecosystem
- ECP Terms of Reference and roles for Consultation Platform
- Dissemination on ECP
- Upcoming events and activities related to NGI

Support from the European Commission's Horizon 2020 Research and Innovation Programme, under Grant Agreement no. 780125 is gratefully acknowledged

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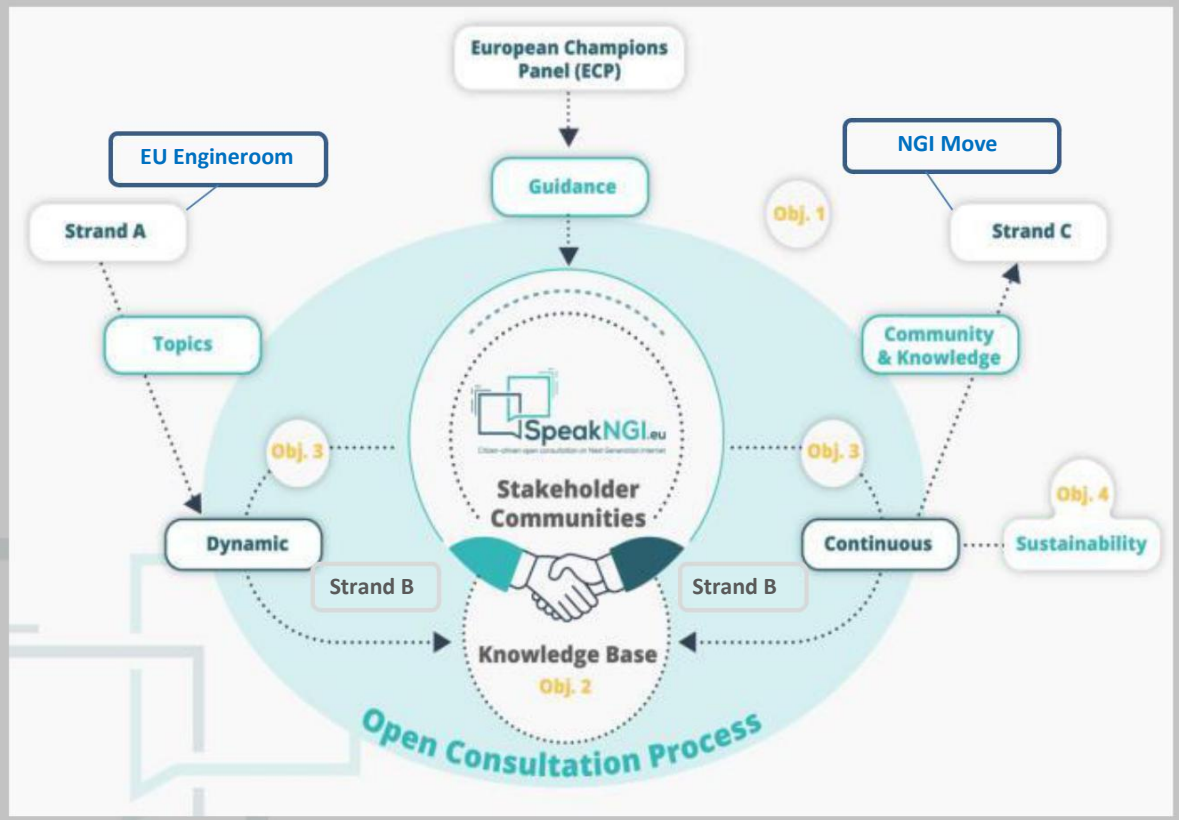
The NGI ecosystem of projects
ICT-41-2017 projects



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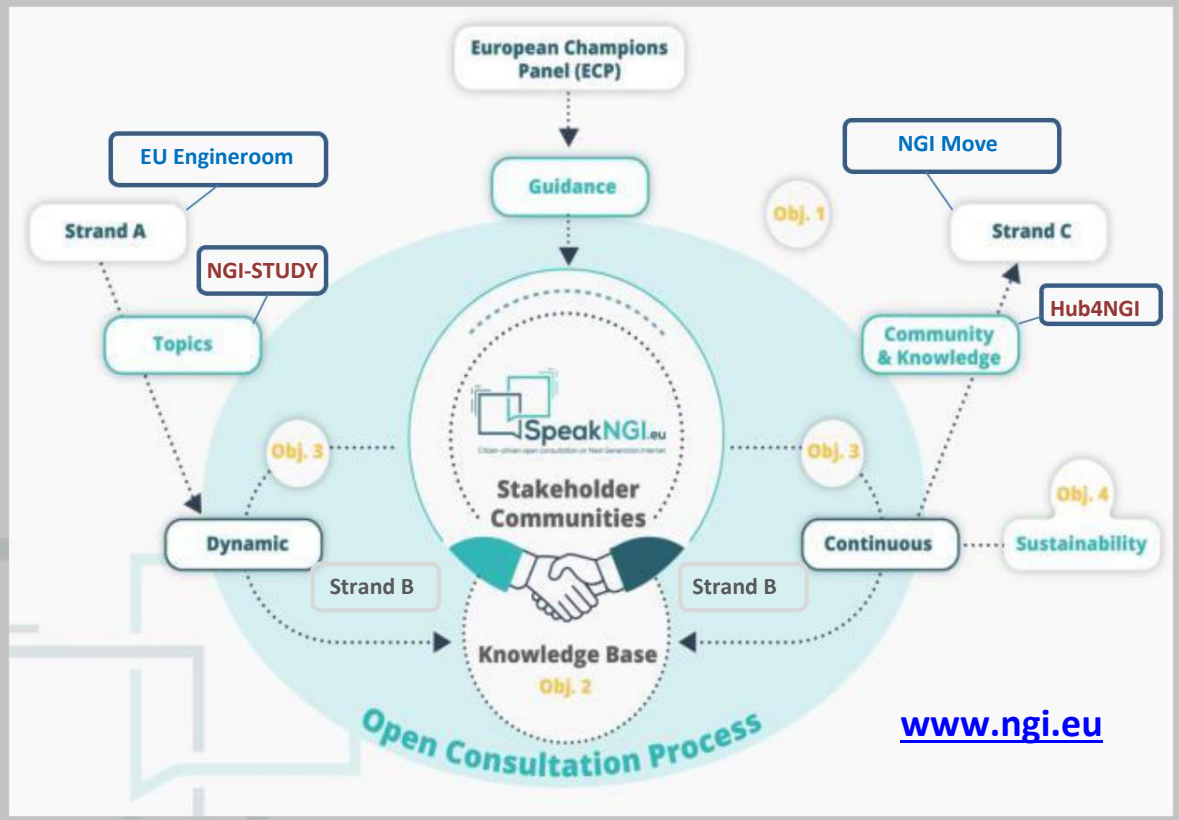
The NGI ecosystem of projects plus existing NGI projects via an Inter-CSA WG



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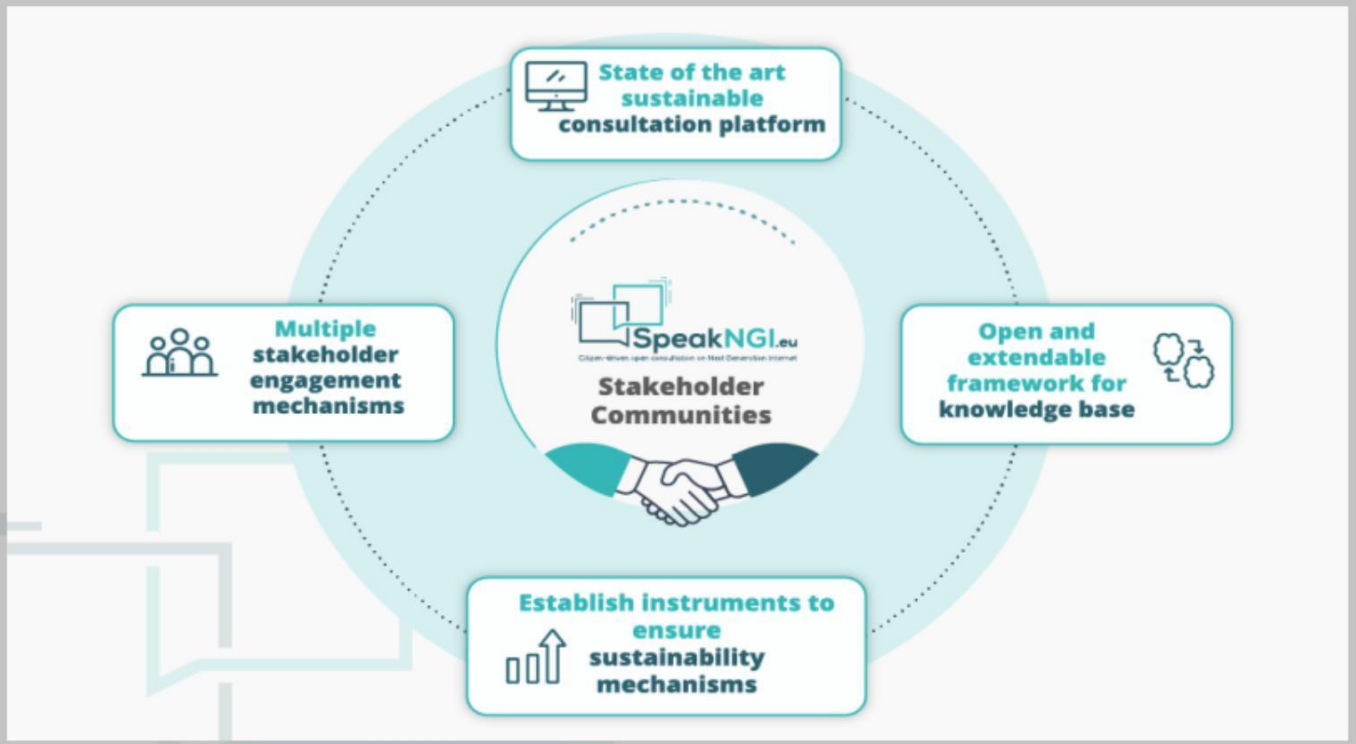
Objectives



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OBJECTIVE	IMPACT
Obj 1: Create a state-of-the-art consultation platform for engagement with the NGI Stakeholder community	Base for the large-scale research flagship + interim R&I projects New innovative processes Continued support for 3 years
Obj 2: Develop an open and extendable framework to structure and visualise the NGI Stakeholder knowledge base	Dynamic and growing knowledge base European Champion Panel (ECP)
Obj 3: Establish **consultation mechanisms** to cover all necessary dimensions of European society and incentivise the participation in NGI consultation	NGI interactive map (complement with HUB4NGI) Early Adopters' Club Inputs to the next three 2019 topics
Obj 4: Establish instruments to ensure **sustainable access** to the consultation process and knowledge for all relevant NGI stakeholder communities beyond the lifetime of the project	Start-up & SME broker service

Overall scope:

To build an open, dynamic and continuous consultation process around Next Generation Internet (NGI) with a long-term perspective and multidisciplinary approach

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ROLES

- Advisory service with pan-European vision
- Representation of the priority fields & stakeholders needs & interests
- Supervision of the consultation process
- Working Group supervision
- Support to stakeholder engagement –motivators and evangelisers.

FUNCTIONING PRINCIPLES

- Pro-bono effort
- Decisions made with at least 2/3 majority
- **Bi-monthly conference calls**
- Up to 2 physical meetings
- Dynamic, self-governing model for future sustainability
- **Terms of Reference** being formalised

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The EU Champions Panel

Plus more (target: 15-20)

Engagement with Community & ECP
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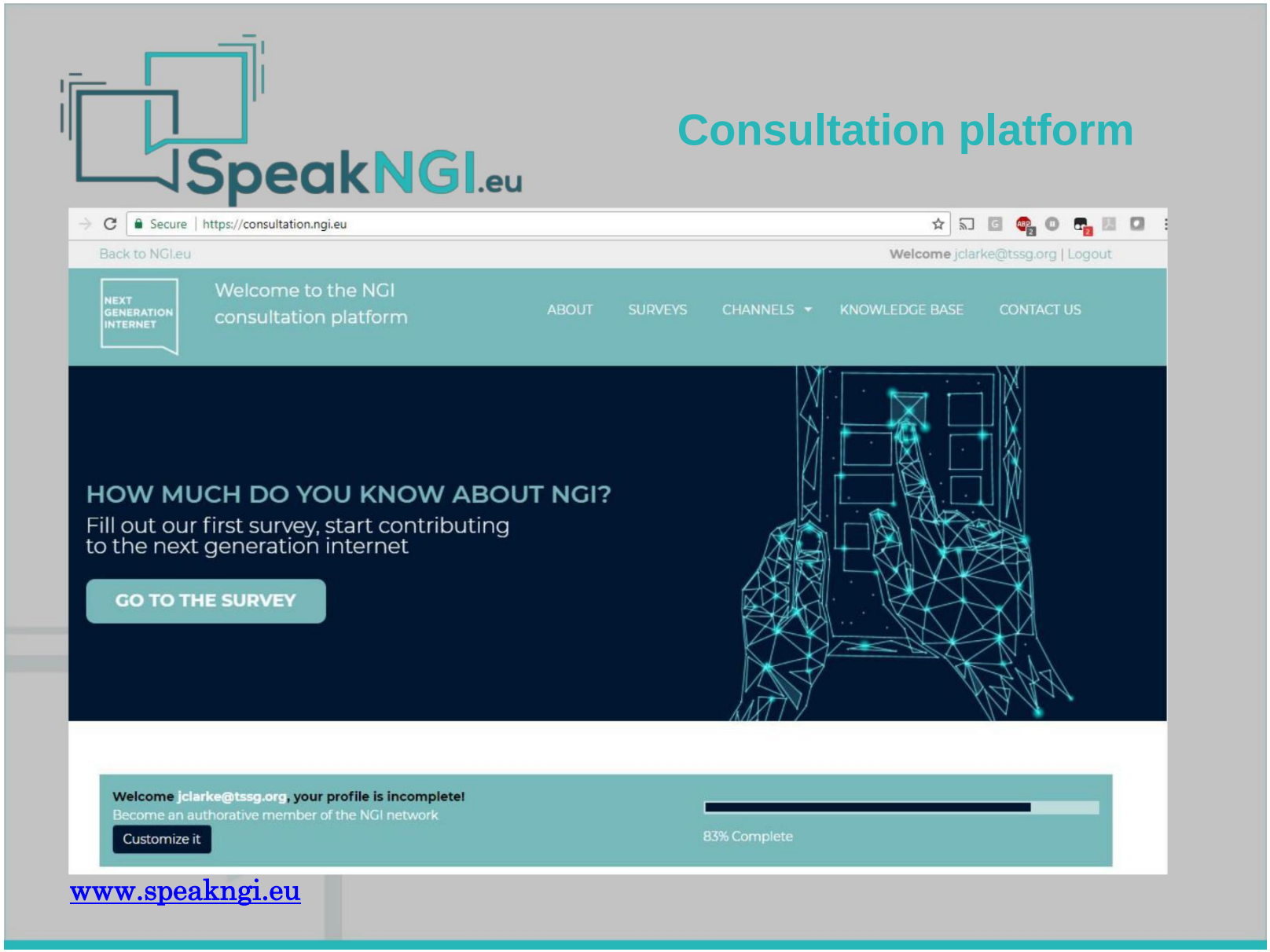
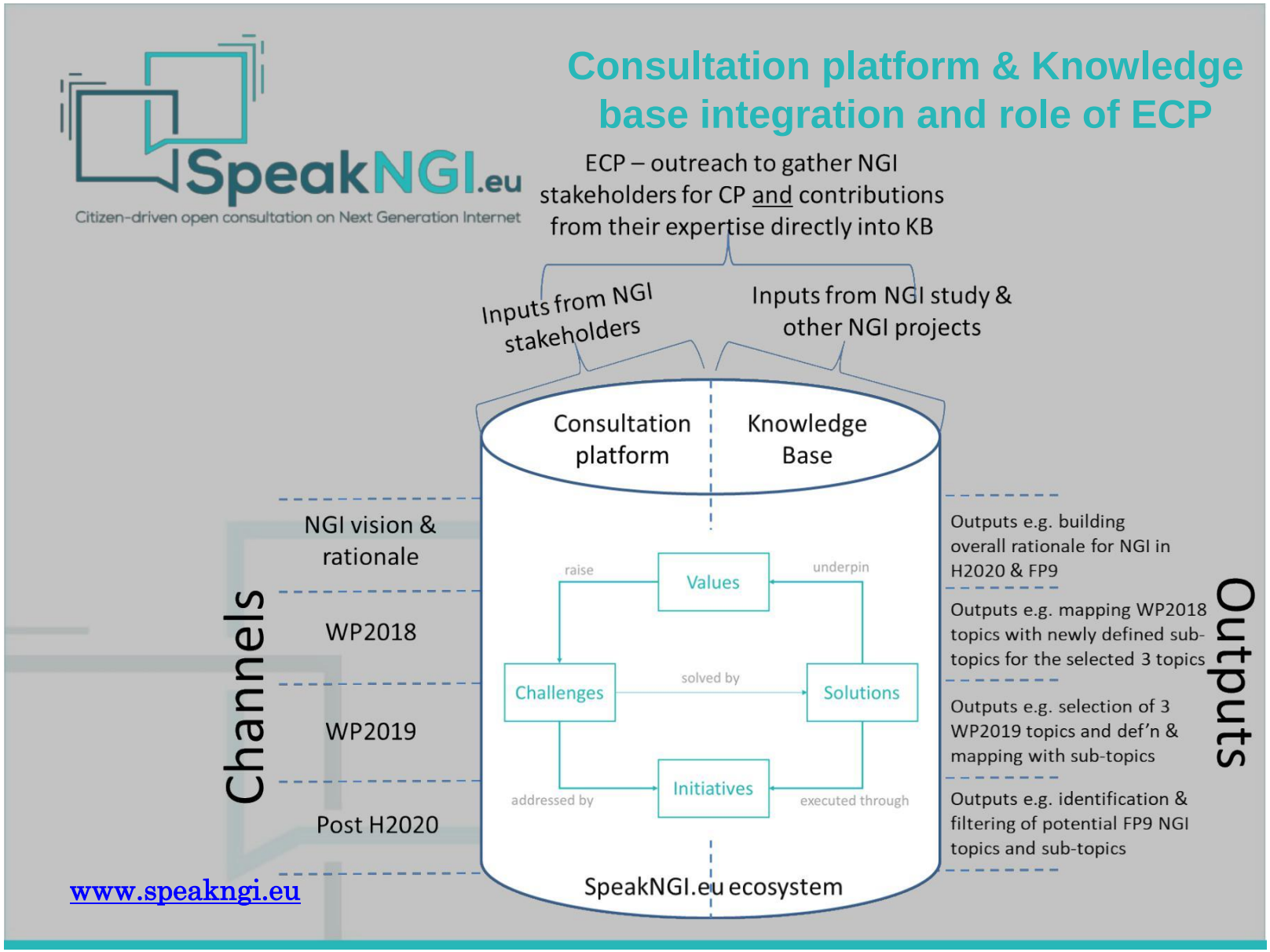
NGI4eu @NGI4eu · Nov 15
#NGIeu champion @moniquejmorrow, Humanized Internet, on the human side of the future internet at #ietf100 today: ethics, governance & privacy for YOU!
@PrivacyMatters
You
For the next 100, let's not lose sight of the individual!
Let's integrate ethics and governance now and in the future for the sake of our humanity!
NGI4eu @NGI4eu · Nov 8
#blockchain applied in #education @OpenUniversity #Different process #Different people from @NGI4eu webinar
hub4ngi.eu/wp-content/upl...
Blockchain
NGI4eu @NGI4eu · Nov 15
"There is an increasing trust deficit in an internet controlled by the few. We need a flow of value & to nurture appetite for social experimentation", @moniquejmorrow #ietf100 panellist @ietf #NGIeu champion
5GEnsure Network
Horizon 2020 5G PPP
4w
What will the Internet look like 10 years from now? Do you have the expertise to help shape the EU vision for an open, inclusive and trusted Internet? The ICT Proposers' Day 2017 in Budapest: 10 November 09:30-11:00 Next Gener ...see more
e-commerce
parcel delivery
geo-blocking
copyright
VAT
Access
telecoms and media
online platforms
security and personal data
Environment
data economy
standards
skills and e-government
Economy & Society
Creating a #DigitalSingleMarket
Shaping the Digital Single Market
ec.europa.eu
4 Likes · 1 Comment
Like Comment Share
368 views of your post in the feed
www.speakngi.eu
5GEnsure Network
Horizon 2020 5G PPP
1w
What role for 5G in next generation internet? What best practices for security, privacy and trust can we implement? What 5G PPP priorities and results can help shape pathfinders & flagships? Share your expertise with the new NGI c ...see more
Next Generation Internet
Artificial Intelligence
Interactive Technologies
Internet of Things
Multilingual
Global Social Sphere
Inclusive
NGI - Open Internet Initiative
7 Likes
Like Comment Share
405 views of your post in the feed


SpeakNGI.eu
Consultation platform
Secure | https://consultation.ngi.eu
Back to NGI.eu
Welcome jclarke@tssg.org | Logout
NEXT GENERATION INTERNET
Welcome to the NGI consultation platform
ABOUT
SURVEYS
CHANNELS
KNOWLEDGE BASE
CONTACT US
HOW MUCH DO YOU KNOW ABOUT NGI?
Fill out our first survey, start contributing to the next generation internet
GO TO THE SURVEY
Welcome jclarke@tssg.org, your profile is incomplete!
Become an authorative member of the NGI network
Customize it
83% Complete
www.speakngi.eu

SpeakNGI.eu
Consultation platform
Secure | https://consultation.ngi.eu
DISCUSSION CHANNELS
The NGI open consultation is active on multiple themes, organised in Discussion Channels. Readers, contributors and experts can be engaged in various ways: By publishing new posts, commenting on existing posts, or by simply leaving a 'like'. The Channels are by their nature dynamic and here below the most active ones are visualised. Go to the Channels Section to see them all.
Updated: 15/11/2017 - 15:27
1 0
Privacy and Trust Enhancing Technologies
Join Now
- c.) all the way to the bottom... in: GDPR and NGI
Updated: 15/11/2017 - 15:25
1 8
Decentralised Data Governance
Join Now
- Winner takes all... in: How to balance between citizen-...
Updated: 15/11/2017 - 15:33
1 0
Discovery and Identification Technologies
Join Now
- IoT Crawler in: Extant research
0 0
WP 2019 - An Open Internet Initiative
Join Now
0 0
NGI Beyond H2020
Join Now
NEW CHANNEL
If you would like to suggest a new discussion channel, please fill out the form here and we will handle your request.
+
www.speakngi.eu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Consultation platform & Knowledge base integration and role of ECP
ECP – outreach to gather NGI stakeholders for CP and contributions from their expertise directly into KB
Inputs from NGI stakeholders
Inputs from NGI study & other NGI projects
Consultation platform
Knowledge Base
Channels
NGI vision & rationale
WP2018
WP2019
Post H2020
raise
Values
underpin
Challenges
solved by
Solutions
addressed by
Initiatives
executed through
SpeakNGI.eu ecosystem
Outputs
Outputs e.g. building overall rationale for NGI in H2020 & FP9
Outputs e.g. mapping WP2018 topics with newly defined sub-topics for the selected 3 topics
Outputs e.g. selection of 3 WP2019 topics and def'n & mapping with sub-topics
Outputs e.g. identification & filtering of potential FP9 NGI topics and sub-topics
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Activities planned (next 2-3 months)

- Participation to a number of third party **events**, providing visibility to the **NGI Consultation Platform** (moving from positive experience of ICT Proposers Day), IGF Geneva, NGI outreach event Ireland, NGI Assembly, and others…), with 6-9 months planning to match KPIs;
- Continue to gather **information** from the NGI community and other projects for the Consultation platform / Knowledge Base;
- Launch of more **surveys** (suggestions from other CSAs?);
- Hold **follow up meeting with the ECP** (European Champions Panel), being held today!;
- Continue Inter-CSA work and running TF on stakeholders in the NGI ecosystem improving **outreach** to all the communities (weekly meetings).
- **Release 2.0 of the Consultation Platform** (incl. expanded Knowledge Base functionalities)

Support from the European Commission's Horizon 2020 Research and Innovation Programme, under Grant Agreement no. 780125 is gratefully acknowledged

Quotes from the ECP members

Can you please provide us with a quote by Monday, 4th December 2017.

“The most exciting thing(s) about the NGI is/are ….., and the most challenging thing(s) is/are ….

Thanks in Advance from the SpeakNGI.eu team!!

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