



The First Wave of NGI events organised by NGI MOVE



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In the first three months of the European Commission's pathfinding movement for the Next Generation Internet, Aarhus University, Resonance Design, Unternehmen fuer Dissemination and Mobile World Capital Barcelona organised, participated and facilitated more than 10 different events in the period October 2017 to December 2017.

The aims of all of the events were to:

- Promote the NGI to a wide community of stakeholders
- Engage with key stakeholders to define the scope and idea of the NGI in the image of Europe
- Engage with key stakeholders to encourage their active participation in the NGI through responding to the upcoming ICT-24 calls or participation in the wider NGI ecosystem
- Build up national initiatives linked to the wider NGI ecosystem and establish member states' support.
- Promote the NGI from a European perspective in international (non-European) settings

In total the project aimed to organise three salons in the first three month of the project, but achieved the following results:

Two booths

- Participation to the Proposers' Day Booth
- Organisation of the Internet Governance Forum Booth

Four Webinars

- Participation to the overall NGI webinar on ICT-24 and related calls
- Organisation of three specialised webinars for each subtopic of ICT-24

Four Meetups

- Organisation and facilitation of one meetup in Barcelona linked to the Smart City EXPO
- Organisation and facilitation of one meetup in Ghent
- Organisation and facilitation of two meetup in Amsterdam on at Thingscon and the other at the Things Network

Five salons

- Organisation and facilitation of a Salon in Budapest at the Proposers' Day
- Organisation and facilitation of two Salons in Barcelona, one at the Smart City Plaza and the other at 4YFN Smart City EXPO
- Organisation and facilitation of a Salon in Brussels focussed on Decentralised Data Governance
- Organisation and facilitation of a Salon in Warsaw on the wider topic of NGI

Details of the events can be found on the NGI website: <http://ngi.eu/news>.

1 First wave of events

1.1 Booths

1.1.1 ICT Proposers' Day 2017

https://www.ngi.eu/event/ict-proposers-day-2017/?instance_id=1

ICT Proposers' Day 2017 took place on 9-10 November in Budapest, Hungary. This networking event centred on European ICT Research & Innovation with a special focus on the Horizon 2020 Work Programme for 2018-20. Besides being present at the NGI booth (picture below), Rob van Kranenburg and Manfred Aigner from NGI MOVE took especially part in face to face meetings and consortia building activities for ICT 24.



1.1.2 12th Annual IGF 2017

<https://www.ngi.eu/news/2018/01/10/internet-governance-forum-2017/>

The twelfth annual meeting of the [Internet Governance Forum](#) (IGF) was held in Geneva, Switzerland, from 18 to 21 December 2017. The NGI initiative was presented at the Open Forum and Mirko Presser co-attended an NGI Booth.

The booth was used as an anchor point to talk to persons interested in the NGI initiative. The booth was frequently visited by international colleagues. We also had VIP visits from Vint Cerf and Mariya Gabriel.

The Open Forum saw European Commissioner Mariya Gabriel and Members of the European Parliament: Michał Boni, Cristian-Silviu Bușoi, Eva Kaili, Tiemo Wölken, Jan Philipp Albrecht, Marisa Matias, Barbara Kappel sign a common Declaration for the European vision of the Internet.



1.2 Webinars

ICT-24 and ICT-31; December 7, 2017 @ 2:00 pm – 4:30 pm Europe/Brussels Timezone

https://www.ngi.eu/event/info-session-on-ict-24-and-ict-31-0712/?instance_id=59

ICT-24 on Privacy and Trust Enhancing Technologies; January 15, 2018 @ 2:00 pm – 3:00 pm Europe/Brussels Timezone

https://www.ngi.eu/event/info-session-on-ict-24-privacy-and-trust-enhancing-technologies/?instance_id=71

ICT-24 on Distributed Data Governance; January 17, 2018 @ 2:00 pm – 3:00 pm Europe/Brussels Timezone

https://www.ngi.eu/event/info-session-ict-24-decentralized-data-governance/?instance_id=73

ICT-24 on Discovery and Identity; January 18, 2018 @ 2:00 pm – 3:00 pm Europe/Brussels Timezone

https://www.ngi.eu/event/info-session-on-ict-24-discovery-and-identification-technologies/?instance_id=74

1.3 Meetups

1.3.1 Barcelona

https://www.ngi.eu/iot-bcn-smart-city-expo/?instance_id=34

The IoT Barcelona meetup (<http://iot.barcelona>) during the Smart City Expo 2017 in Barcelona was a mix of Blockchain and IoT together with Smart City Expo IoT companies.

Co-presenters were Josep Sanjuà about Blockchain, Ethereum and Bitcoin and how to apply these technologies with the Internet of Things and John Tillema speaking about the hardware development

of the Things Network. Rob van Kranenburg talked about the bigger picture – #IoT, #AI, #Robotics and the agency of Europe, and the new funding schemes under NGI, i.e. the open calls under ICT-24.

A discussion that addressed the current political situation in Barcelona in a logical way ensuing from notions of transparency and information flow of the Digital Transition. The audience debated that it is strange that we want analytics and real time data streams in all networks that make up Internet of Things:

- BAN, Body Area Network: Wearables
- LAN, Local Area Network, (Smart) Home
- WAN, Wide Area Network, (Connected) Car
- VWAN, Very Wide Area Network, (Smart) City

Regarding this, the most important decision-making areas are identified as: society, we still allow a 19th century fully analogue model of people discussing in the basis of belief, particular personal needs, romantic territorial notions or ideologies tuned to pre-network archetypes.

The pragmatic cybernetics advocated by NGI Move was seen as a powerful potential bringer of calm, serenity and opportunities in the particular Catalunya situation, and for the EU as a 500 million zone as a whole.

1.3.2 Ghent

https://www.ngi.eu/event/funding-possibilities-ict-24-privacy-trust-decentralized-search/?instance_id=52

The Ghent IoT Meetup was attended by just two people, Ruben Verborgh working at Uni Ghent and Solid (Tim Berners Lee) in SF, and David Devriendere from BitBelgium and Settlemint. This has since led to the forming of a Consortium on the open call on ICT-24 Decentralized Data Governance.

1.3.3 Amsterdam – Thingscon

https://www.ngi.eu/event/thingscon-2017/?instance_id=33

ThingsCon is Europe's leading conference about the future of hardware, connected devices and Internet of Things (IoT). Started in Berlin it is growing into a global community of like-minded practitioners around Internet of Things and new hardware. ThingsCon fosters the creation of a human-centric & responsible IoT. To this end it provides practitioners with an open environment for reflection & collaborative action.

See the movie of the talk of Rob van Kranenburg¹. Read the article of Mirko Ross.²

1.3.4 Amsterdam – The Things Network

https://www.ngi.eu/event/ngi4eu-iot-privacy-trust-decentralized-discovery-search/?instance_id=51

Roundtable with Rob van Kranenburg (NGI Move) and presentations on digital priorities, privacy, trust, search, discovery and decentralized data management as well as Internet of Things at The Things Network, Rockstart 10 Rigakade, 1013 BC Amsterdam, Netherlands.

¹ <https://vimeo.com/246017192>

² <https://www.heise.de/ix/meldung/ThingsCon-Amsterdam-Fuer-ein-verantwortungsvolles-Internet-of-Things-3906851.html>

1.4 Salons

1.4.1 Budapest

Budapest³. The event was organized by NGI Move and early-stage hardware and IoT focused startup investor SmartWare.tech, and featured a panel discussion among:

- Rob van Kranenburg of NGI Move (NGI standing for “Next Generation Internet”)
- Ákos Maróy, CEO at Aero Glass
- Péter Langmár, partner at SmartWare.tech and CEO at Lab.Coop
- Moderator: Barnabás Málnay, partner at SmartWare.tech and business developer at EIT Digital.

About 20 people joined the meeting. After a general intro on IoT and the speed and scope of the digital transition we focused on the model and topics of the open call ICT-24. There has been a general agreement that cascading funds is a good model, also general ‘worry’ that purely professional process organizations without a vision would be able to occupy the 20% spaces. Thus, it is important, it was noted from the Latvian and Berlin side, that some granularity and reflection is necessary patched on Funding Box or other type of incubator organizations.

It was also raised: the perceived optimism around NGI able to not only defensively (GDPR) look at privacy for example but come up with radical new models to look at trust.

Individual meetings make connections to potential consortium members for „ICT-24-2018-2019: Next Generation Internet – An Open Internet Initiative”.

1.4.2 Barcelona – Smart City Plaza

https://www.ngi.eu/event/ngi-move-salon-smart-city-plaza/?instance_id=57

There is an even bigger divide between explaining the current drivers of the Digital Transition to a lay audience than the original Digital Divide (having access and primary skills). Paradoxically the effects of the hybrid nature of the digital are visible and present in everyday life and interactions: fake news, depression among youngsters, addiction to social media, sexting, and on a more economic scale, fear of job loss because of robotic automatization, lack of agency on a political level (fining innovative companies or legally trying to regulate fat protection, (GDPR)). The dominant narrative is lack of trust, even from the policy perspectives that should try to create enthusiasm for opportunities and possibilities. We lack a possibilist framework. Without it finding good examples to explain the opportunities of a hybrid reality for everyday life and Europe as a 500 million zone is very difficult. NGI.eu should be part of the solution to this. The panellists included:

- Marta Arniani (Founder of Futuribile)
- Marc Pous (thethings_io)
- Oleguer Sagarra (decode Tech coordinator)
- Mara Balestrini (IDEAS FOR CHANGE)

1.4.3 Barcelona – 4YFN Smart City EXPO

https://www.ngi.eu/event/ngi-move-salon-4yfn-smart-city-village/?instance_id=56

Roundtable with Rob van Kranenburg (NGI Move) moderating a selected group of six invited speakers to discuss digital priorities.

- Our vision of technology is still largely influenced by the Computer of the 21st Century paper, it's too concerned with the pushing the boundaries of technology without questioning its meaning and role

³ https://www.ngi.eu/event/ngi-move-salon-1/?instance_id=32

- Enhance education, especially with a STEAM (STEM + Arts and creativity) approach, so that people can learn to value their data and have more agency and awareness when sharing them with third-parties.
- Sharing data is crucial to solve world problems as the ones identified by the Sustainable Development Goals

The general feeling is that the GDPR might be a starting-point, but is looking at privacy in a too static way. In a fully connected environment of potential added value to citizens the new term 'privacies' was very well received. Privacies can be described as dynamic levels of accountability, levels that can be set according to predefined rules and are in control of the end-user. Such concepts are more easily hard-codable and reflect the new given: privacy in a hybrid world is a process distributed over the environment (smart), a citizen (grown up in the digital), and the objects themselves (dynamic and learning environments themselves).

MODERATOR

- Rob van Kranenburg (IoT Council, NGI MOVE)

SPEAKERS

- Francesca Bria (CTO Barcelona)
- Luis Sanchez (Smart Santander)
- Chris Massot (Partner at Claro)
- Marc Pous (thethings_io)
- Antonio Skarmeta (University of Murcia)
- Mara Balestrini (IDEAS FOR CHANGE)

1.4.4 Brussels

https://www.ngi.eu/event/ngi-move-salon-2/?instance_id=6

In Smart Decentralisation: Moving From The Cloud To The Fog, Dominik Schiener, Co-Founder — IOTA Foundation, asks what the evolutionary transition towards smart decentralization means for both the internet of things and our society?: "With the introduction of blockchain, the internet of things will actually move away from the cloud and towards the fog – something that in turn could give rise to a fully autonomous machine economy, one that no longer needs the intervention of human managers." DECODE provides tools that put individuals in control of whether they keep their personal data private or share it for the public good. IDEO, Microsoft, IOTA support DIF in building an open source decentralized identity ecosystem for people, organizations, apps, and devices. The goal of the World Identity Network (WIN) is to catalyze progress towards universal ID and robust, secure, digital identification systems using 21st century technology solutions, such as the distributed ledger technology (DLT). uPort is an open source software project to establish a global, unified, sovereign identity system for people, businesses, organizations, devices, and bots. Accenture and Microsoft are creating a blockchain solution to support ID2020, a global public-private partnership dedicated to solving the challenges of identity faced by more than 1.1 billion people around the world. What will this competition on the passport lead to? What kind of societies are being built by whom?

The Agenda included:

- NGI Welcome by Nicole Müssigmann, Policy Officer EC
- Opening remarks by Eva Kaili, Member of the European Parliament #Chair Scientific Foresight Unit & Chair D-NATO PA EU
- Panel with:
 - Andrea Servida, Head of Unit "eGovernment and Trust" DG CONNECT
 - Denis 'Jaromil' Roio, CTO and co-founder of Dyne.org Foundation, lead design of DECODE
 - Dominik Schiener, Working on the intersection of IoT and Blockchain. Co-Founder @iotatoken

- Susana Nascimento, Policy Analyst-Foresight, Behavioural Insights and Design for Policy, JRC
- Fabrizio Sestini, Senior Expert for Digital Social Innovation, DG CONNECT
- Marloes Plomp, Member of the Advisory Board bij bitJob, presenting Blockchain Pilots

1.4.5 Warsaw

https://www.ngi.eu/event/info-session-on-ict-24-and-ict-31-0712/?instance_id=59

Roundtable with Rob van Kranenburg (NGI Move) moderating a selected group of invited participants to discuss digital priorities with Funding Box, NCP and Orange Polska.

It was generally agreed that a series of focused small sized invitation only meetings can work better than introduction days. The people in the audience remain anonymous while having even if not more skillsets and knowledge than the presenters on stage. The ppt. presentations can be sent individually and followed up by webinars (already taking place today).

From the meeting five main focal points evolved to be taken up in further meetings. NGI Move, NGI Engineroom and the NGI CPs will develop a plan for a second event medio 2018 in Poland. This can also have a public event attached.

1. **Marketing.** Poland is not marketing its internal digital accomplishments well. It should highlight the amount of internal funding for IT/IoT. This can also explain why the amount of Polish companies in IoT Horizon2020 can be higher. It has a higher level of internal integration than is generally known and can quite readily think about examples like Estonia. From a private perspective however, especially VC it is not clear whether and how there is a single path of development and a priority list of adoption of new technologies. This hampers VC investment. A new vision that is taking investments to a new infrastructural level – Smart Poland/ Smart Central Europe/ Smart Europe – can give the right story to convince public and private stakeholders. Engineering and Digital Expertise should be leading on this political level.
2. **Privacy Paradox.** There is a paradox on the perceived privacy issues of Polish citizens and their ready- and willingness to embrace new technologies, like contactless payment (Paypass) and social media. What people say and what they do are two different things. How can this everyday life ‘fact’ be exploited to educate citizens more into the real benefits and challenges of digital services?
3. **Ecosystems need curating.** In *Key Elements and Enablers for Developing an Internet of Things (IoT) Ecosystem*⁴, Omar Valdez-de-Leon concludes that ecosystems will ultimately be the competitive unit in the digital transition. Building an IoT ecosystem, according to him “is a complex undertaking that requires many interconnected factors to be balanced. The challenge for businesses is to establish an IoT ecosystem strategy that is holistic, considering all the elements described above and adopt an ecosystem mindset that moves away from vertical value chains with one set of customers at the end of it.” Viable innovation clusters are built around this. This means that curating the quality of the conversation between all stakeholders becomes a top-level skill. Without it no common building blocks can be identified that are as relevant and urgent for the stakeholders involved: industry, government, intermediaries, researchers, service providers, advertising/design, and bottom up actors such as local hackers and (privacy) activists. In the meeting all but the latter group was missing, but this group was also not targeted. This will be a focal point for the public mid 2018 meeting.
4. **Smart home, (cyber)security and automotive as spearhead.** From a recent in-depth study it appears that the device ecosystem (smartphone is ready for a step towards #IoT and the best candidate to succeed first with products and services is the smart home. The

⁴ <https://iot.ieee.org/newsletter/may-2017/key-elements-and-enablers-for-developing-an-iot-ecosystem.html>

second area could be automotive services, making innovation regulation and data models for ownership and creative services on insurance. A third, and very promising area, is that of security applications and services in the domain of biometrics and granular/extremely sensitive sensors, combining the excellent work on gait recognition with smart home applications and location based services.

5. **Integrate and combine good services and adoption will follow.** Currently the digital invoice is being introduced by business.gov.pl, a platform for electronic invoices, but still the Ministry sees people scanning pdf's. In a country with the highest developed retail banking system (Paypass) this is peculiar. We go back to the paradox on privacy. This paradox is also on adoption. In some instances, adoption is fast and logical. But there is understanding of why this is interesting or productive. People simply comply or follow the example of the neighbours. Like in the overwhelming rest of Europe) the level of digital education and practical awareness regarding data is low. We need to co-create stories that explain the Digital Transition as a whole, as a step towards a smart society for everybody, explaining how all the separate services and products operate together.
6. In terms of [ICT 24](#) (H2020 there were fruitful discussions on Search and Discovery and privacy and Trust (as a consortium of 20% host partners))