

**NEXT
GENERATION
INTERNET**

What is it?

A

new,

ambitious,

European initiative to develop the internet
of the future.

Internet

- Internet is not a technology.
- It is our personal, social and business environment.
- It is part of our world and it will be more so in the coming decades.

Next Generation Internet. Why?

Today's Internet

- “Primitive”
- Concentration of power
- Security & privacy concerns

Future Internet

- Radically new functionalities
- An internet for the people

What will Europe do?

NGI - How it should be?

Human-centric:

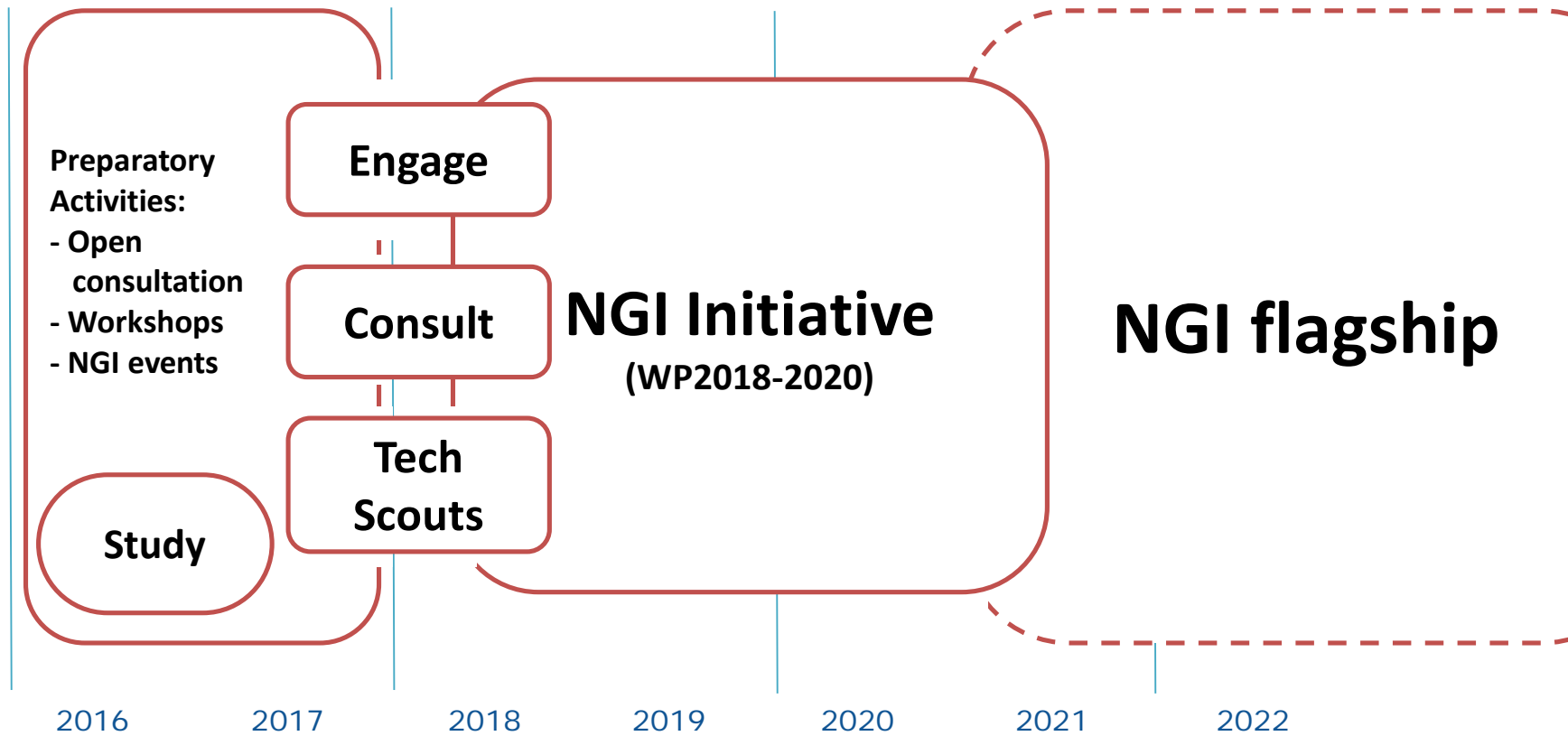
- At the service of the people and the society
- Address present issues
- Make "Internet for the people" a design and development principle

What does Human-centric mean?

NGI Approach

- Initiate a "**movement**" for a Human-centric Internet
- Mobilise young talents (researchers and startupper) and the civil society
- Be inclusive and multidisciplinary (Research, Technology, Policy, Business, socioeconomic issues)

NGI Action Roadmap



NGI - Open consultation

Technology area 2: New forms of interactions and immersive environments

Increased computing, transmission power and next generation of devices (enabled by micro-nano-bio technology) allows conceptualizing new forms of interactions with machines and immersive environments that will have an impact in our professional and private life. New challenges are raising related to augmented and virtual reality, behaviour, human-computer interactions, haptics, human-human interactions through computers, machine-to-machine, spatial recognition and geographic information systems.

How important do you consider this area to drive the transformation of the Internet?

- very important
- important
- not that relevant

Research and Innovation challenges that will be critical to address in this area:

1000 character(s) maximum

Indicate up to three relevant national or European initiatives in the area.

500 character(s) maximum

What is your expertise in this technology area?

- I work in this area
- I have a good understanding of the area
- I have just general knowledge

**8 statements –
focus on values**

**7 technology areas
+ 2 additional
technology areas
(free text)**

**Open: 10 Nov -9 Jan
(60 days)**

449 responses

NGI support actions

Study

(NLnet + Gartner)

Develop a vision:

technology aspects
service innovations
socio-economic impacts
users' perspective ...

Ecosystem development:

technology trends
building communities
mapping relevant
initiatives ...

CSAs

(ICT-41 + WP 2018-20)

Strategy and policy:

stakeholder engagement
roadmaps
advisory role

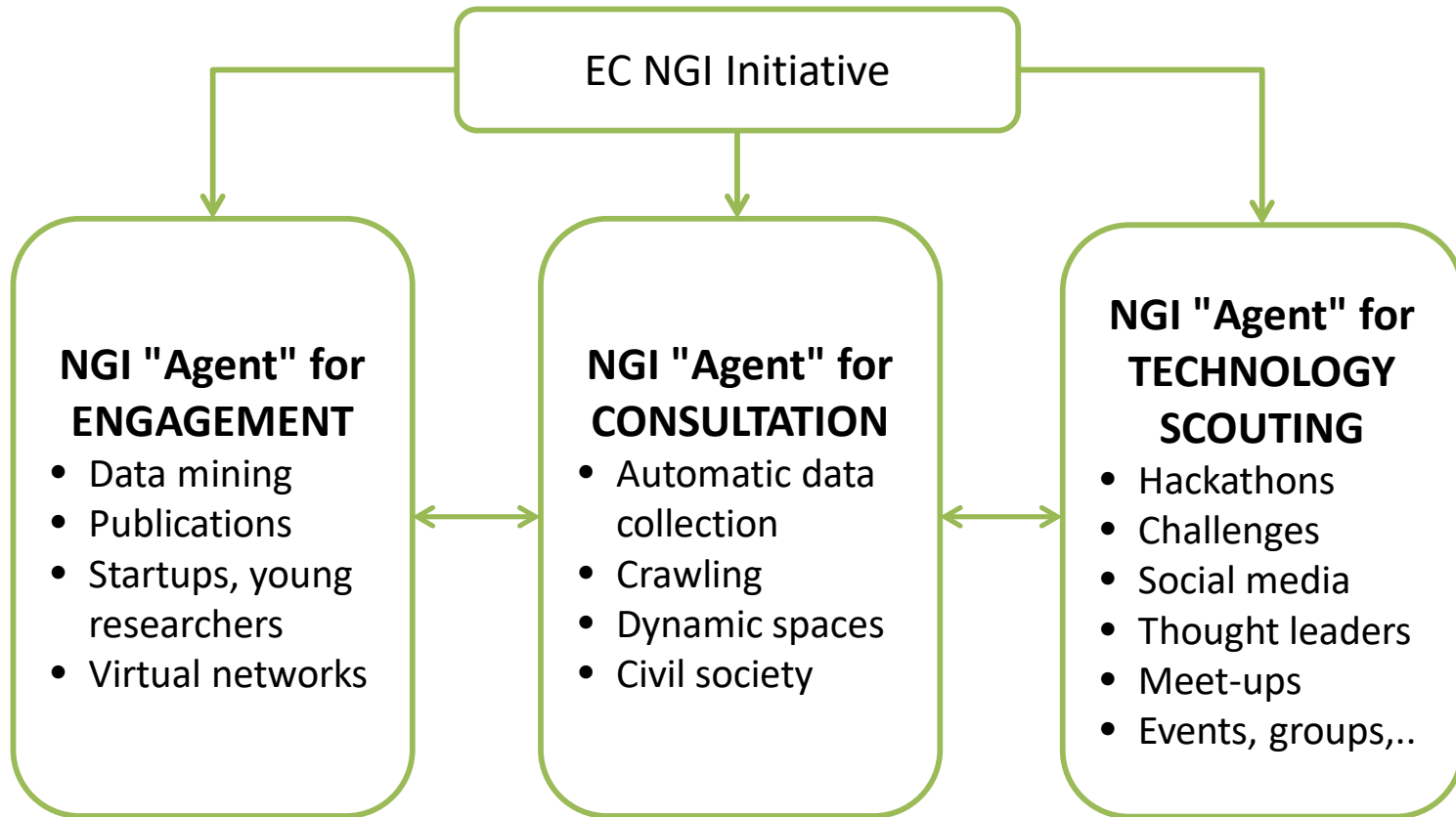
Technology harvest & transfer

coaching/mentoring/ follow-up
IPR management

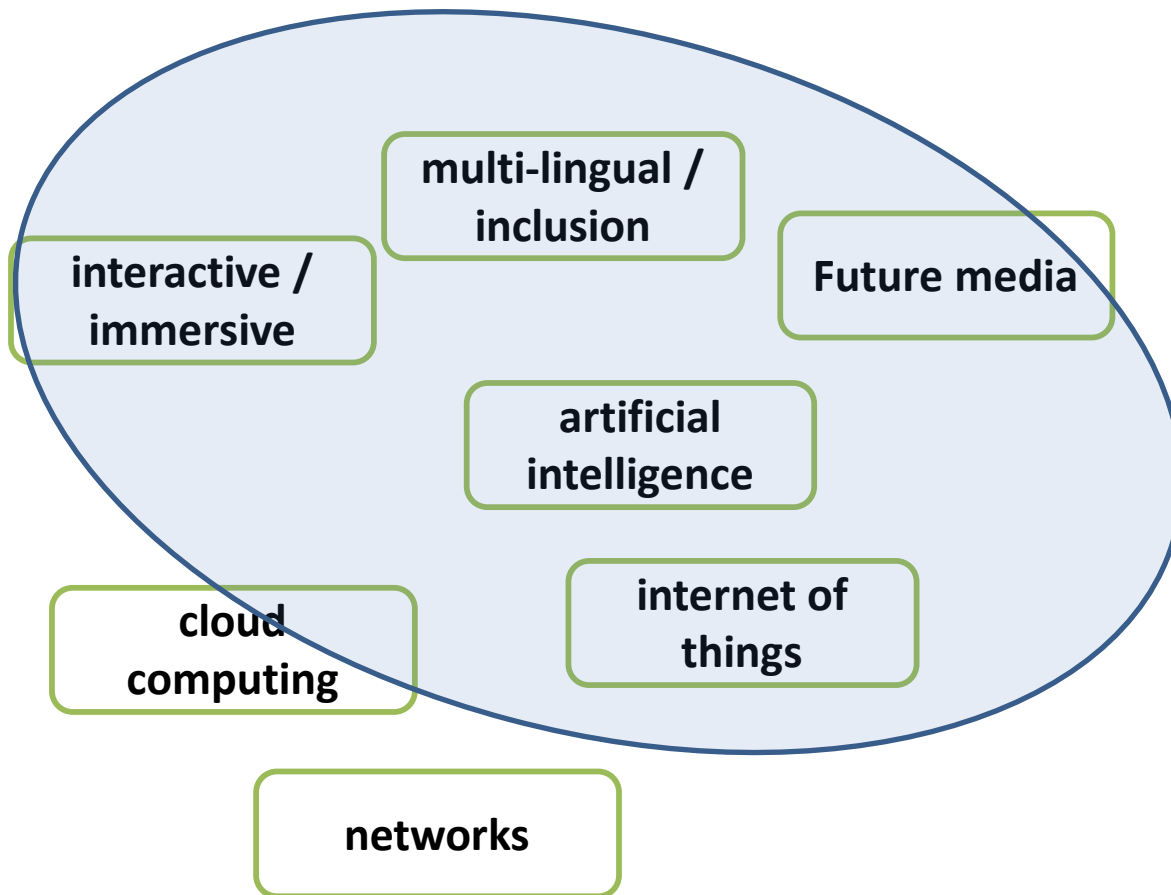
Outreach office:

communication strategy
media presence and events

NGI "Agents" in place

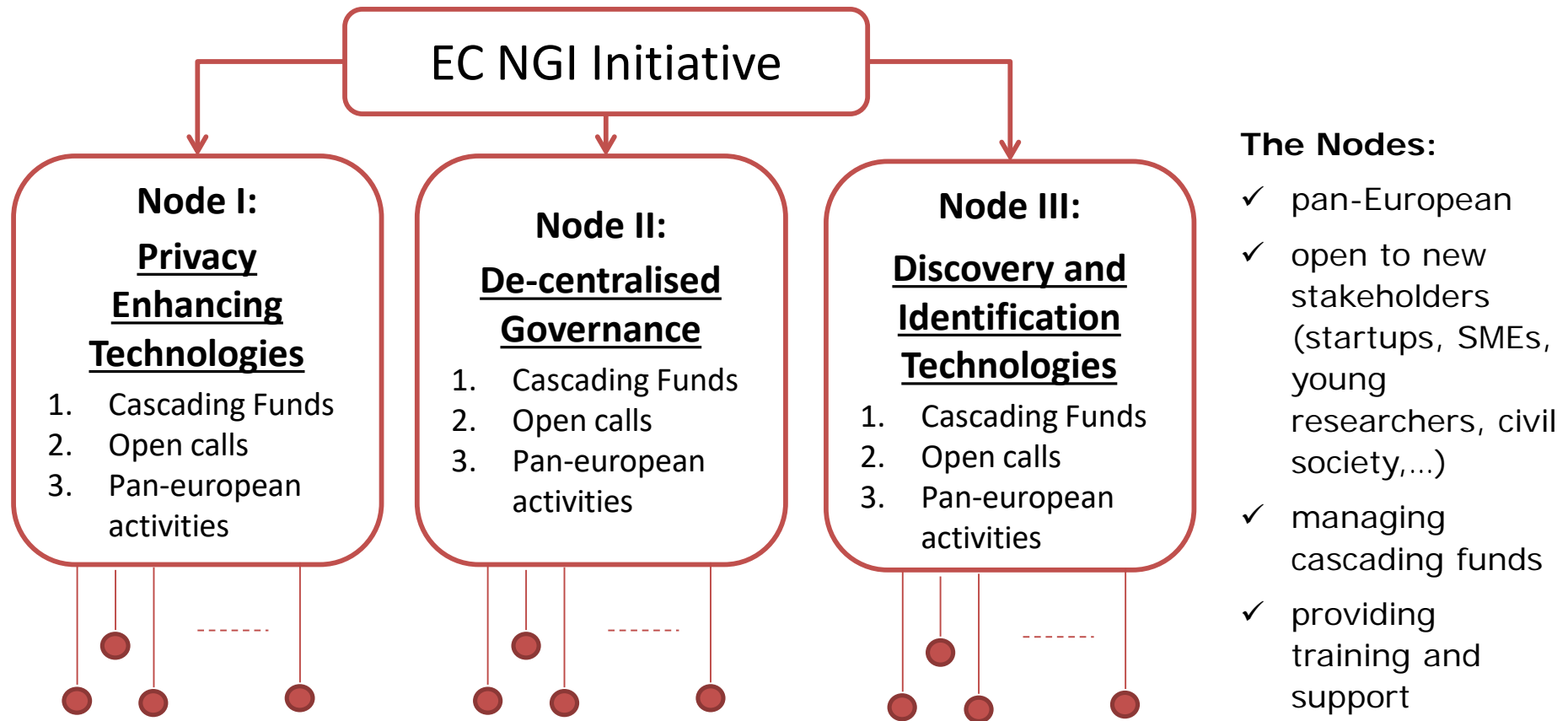


NGI new approach



- dynamic / agile
- can address any Internet-related area
- young researchers / hi-tech startups
- funding individual teams / organisations
- short R&I cycles
- research that can move quickly to the market
- supporting human-centric vision

What are the NGI research nodes?

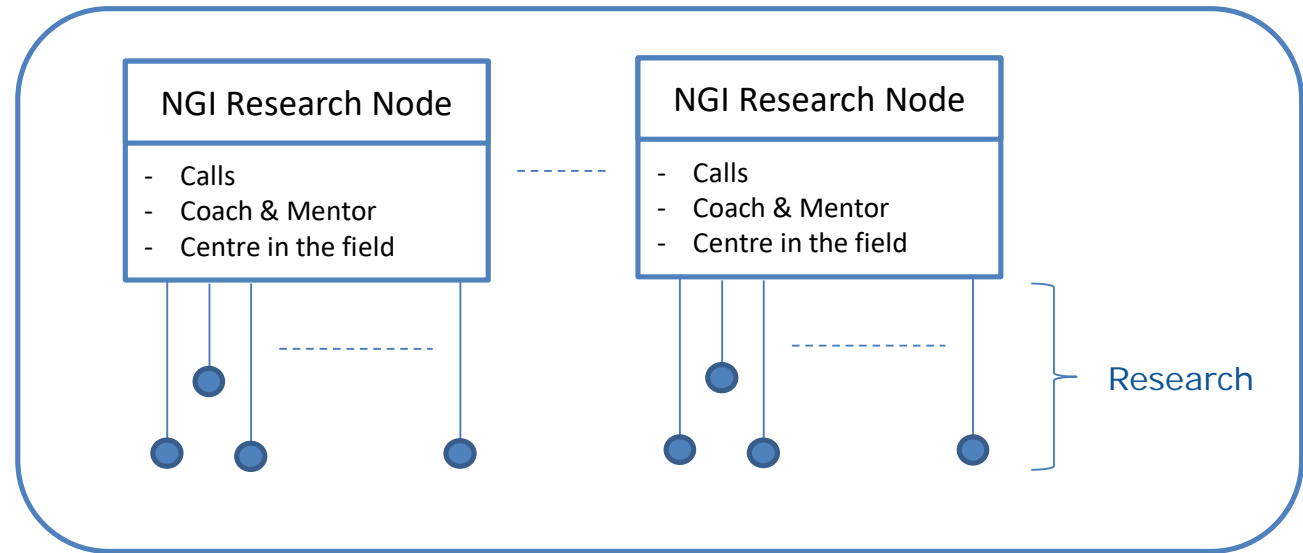


... and several more nodes launched in 2019.

End of 2018: NGI Programme

European Commission

Strategy
& Policy



Outreach

Harvester

Think big!

First: Changing the course of the Internet evolution through **research and innovation**

Second: Adding to RTD&I the **dimension of infrastructure**

Third: Completing the technology and investment interventions with **a policy dimension**

Futurium: NGI communication platform

<https://ec.europa.eu/futurium/en/next-generation-internet>



Next Generation Internet

[Home](#) [About](#) [Debate](#) [Documents](#) [Blogs](#) [Events](#) [Videos](#)

Consultation on Next Generation Internet

The consultation is now closed!
Find the results here!

Next Generation Internet initiative

For Roberto Viola, Director General DG CONNECT 'The Internet today is integral to almost every part of our existence'. It will be even more so in the future. But concerns on privacy or copyright are mounting and risks and limitation become more apparent. Private and public interests in the domain are huge, and may radically change the way Internet works in the future.

[Read more about the initiative](#)

What's New

DOCUMENT

[Policy Workshop Report Next Generation Internet - Centre for Science and Policy Cambridge Computer Laboratory](#)

The Centre for Science and Policy (CSaP) in collaboration with the Cambridge Computer Laboratory, organised a Policy Workshop in support of the European Commission's (EC) Next Generation...



Peter Fatelnig
12 April 2017

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Upcoming Events

EVENT

Mon-Fri
29-02
May-Jun

TNC17 - The Art of Creative Networking, Linz, Austria, 29 May - 2 June 2017

EVENT

Tue-Wed
06-07
Jun

NEXT GENERATION INTERNET SUMMIT - Brussels - 6-7 June 2017

EVENT

Thu-Fri
15-16
Jun

Digital Assembly 2017: "Digital Europe: Investing in the Future", 15-16 June, Valletta, Malta

EVENT

Fri-Sat
23-24
Jun

ZEW Conference on the Economics of Information and Communication

NGI events

Past events

Open workshop and focused workshops for WP preparations

Meeting relevant Internet organisations and research groups / startups

Meetings in Member States

Internet Governance

EuroDIG, 6-7 June, Tallinn

Internet Governance Forum, 18-21 December, Geneva

Upcoming events

Meeting relevant Internet organisations and research groups / startups

Meetings in Member States

Focused workshops on the WP 2018-20 research domains

Digital Assembly,
15-16 June, Malta

Net Futures, 28-29 June,
Brussels

NGI Summit

<http://www.ngi-summit.org/>

NEXT GENERATION INTERNET SUMMIT

FROM THE INTERNET OF THINGS TO THE INTERNET OF HUMANS:
A EUROPEAN STRATEGY FOR THE NEXT GENERATION INTERNET

6 - 7 JUNE 2017

EUROPEAN PARLIAMENT - BRUSSELS

 **ATOMIUM**
EUROPEAN INSTITUTE
FOR SCIENCE, MEDIA AND DEMOCRACY

NGIS

**NEXT
GENERATION
INTERNET
SUMMIT**

IN COOPERATION WITH:



Frankfurter Allgemeine
ZEITUNG FÜR DEUTSCHLAND

EL PAÍS

Il Sole **24 ORE**

wyborcza.pl



DER STANDARD

THE IRISH TIMES

Luxemburger Wort

La Libre.be



Deloitte.



Microsoft



Net Futures Conference 2017

<http://netfuturesconference.eu/>



 NET
FUTURES 2017

Conference on internet, the economy and society in 2027

Join us on 28 and 29 June 2017



Join us in this exciting journey!



Peter Fatelnig

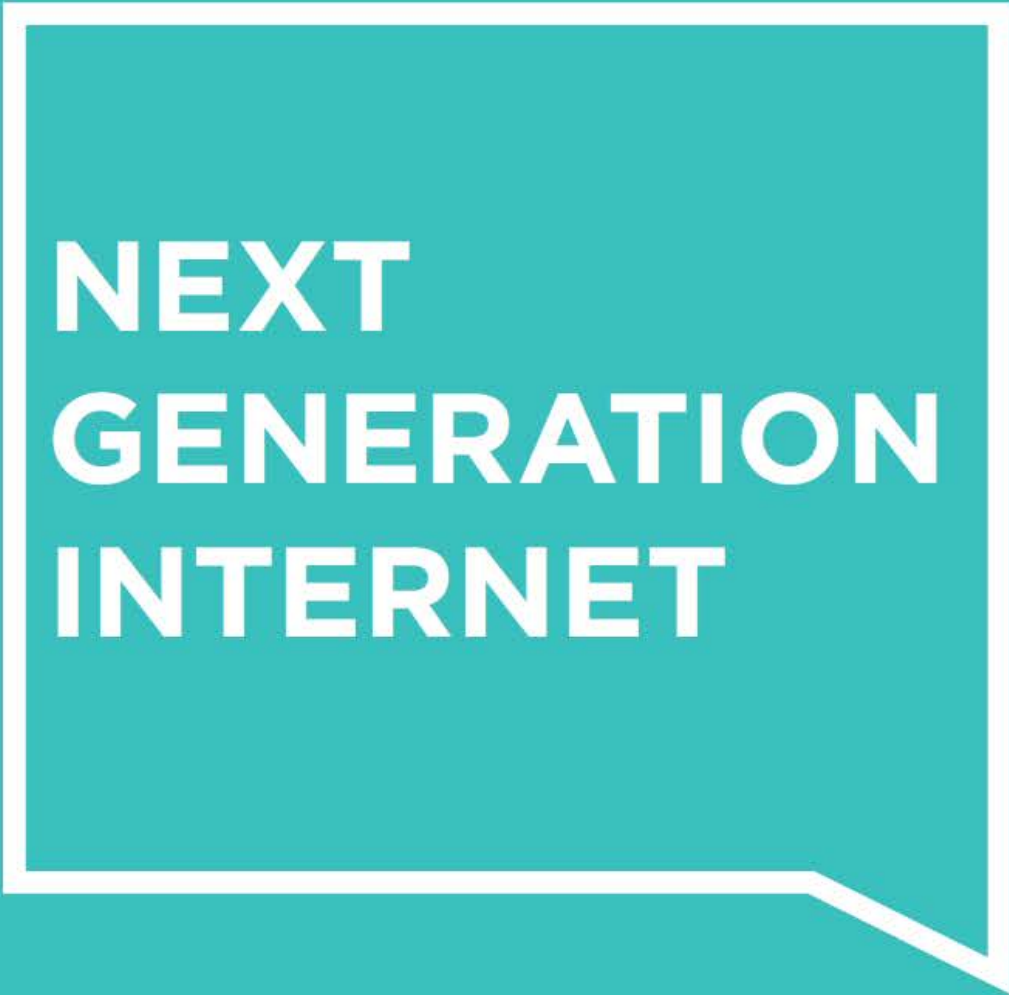
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