BUILDING TOGETHER THE NEXT-GENERATION INTERNET

• The NGI initiative: vision, mechanism and first funding opportunities – Olivier Bringer, EU Commission

• Example of open calls and services to innovators – Michiel Leenaars, Nlnet Foundation

• A Startup point of view – Isabella De Michielis, ErnieAPP

• Q&A Session

• How to engage with NGI – Monique Calisti, Martel Innovate
The Next Generation Internet - An Internet of Humans

Olivier Bringer
EU Commission
Internet evolution

10 years from now Internet indispensable for all socio-economic activity

Today, Internet is the engine of digitisation

29y ago www
Original values of the internet

• A universal and **decentralised** 'network of networks'

• Robust, **resilient**

• **Openness**, collaboration, transparency

• Supports permission-less **innovation**

• Premised on **voluntary exchange of data**
An untapped potential

- **Internet Users** in Europe **concerned** by private companies monitoring and commercializing personal information has increased from 68% (2014) to **77%** (2016).

- **Almost half of Internet users** (48%) have limited or kept from some online activities due to **security concerns**.

- Only a **small proportion of world data** is stored in the EU.

- A mere 25% of large EU enterprises and 10% of EU SMEs **used big data** analytics in 2017.

Source: Eurostat
A number of technological trends will thoroughly reshape the internet over the next 10-15 years.
NGI Vision

Develop key internet technologies in line with core EU values and societal expectations

- **Trust**: users control their data
- **Resilience**: secure and resilient infrastructure
- **Decentralisation**: Secure peer-to-peer transactions
- **Inclusion**: All take part in online society
- **Sustainability**: Reduced carbon footprint
NGI: a joint effort

- **Defragment and connect:** Ecosystem of European actors and an Ecosystem which is broader than ICT
- **Engage new stakeholders:** Internet researchers & innovators, stakeholders who are not part of community RTD&I today
- **Link long-term research with applied research & innovation**
- **European core values:** Privacy, security, inclusion, open to innovation and preserving democracy
- **European movement:** Internet of Humans as a political goal

Unite stakeholders on a common goal: an Internet of Humans
NGI Roadmap

Digital Single Market

Open dialogue with stakeholders

Horizon 2020
WP2018-20
Next Generation Internet

MFF 2021-2027
HORIZON EUROPE
NGI – Priority Area in “Digital and Industry” cluster

NGI Study & Preparatory actions

Horizon 2020: NGI

Artificial Intelligence
ICT-26-2018-2020

Internet of Things
ICT-27-2018-2020

Global Social Sphere
ICT-28-2018

Interactive Technologies
ICT-25-2018-2020

Multilingual
ICT-29-2018

Inclusive
ICT-30-2019-2020

NGI - Open Internet Initiative:

300 M€
Involving Internet Innovators – WP2018

The Intermediaries:
- Open calls with funds for new stakeholders (startups, SMEs, young researchers, civil society,...)
- Fast & flexible, continuously agile
- Providing training and support
- Launch early 2019

The Sub-Grantees:
- 1 legal entity with 1 specific Project
- Young researchers, outstanding academics, hi-tech startups and technology researching SME’s
- Carry out the R&I work
- 50,000 – 200,000€, 9-12 months
Involving Internet Innovators – WP2019

NGI Initiative

1. Strengthening internet trustworthiness with electronic identities
2. Service and data portability
3. Open internet architecture renovation

Internet Innovators

7 M€ 7 M€ 7 M€
Take-aways

- NGI is an **ambitious** and significant EU-led effort involving **internet innovators**

- Build an **internet of humans**

- **Direct financial support** to innovators: grants 50,000 – 200,000€, 9-12 months

- An initiative for the next decade **2019-2030**: be involved from the start!