



Next Generation Internet Funding opportunities – upcoming calls

**Jorge Gasós
DG Connect**

Next Generation Internet in Horizon 2020

Artificial Intelligence

[ICT-26-2018-2020](#)

Interactive Technologies

[ICT-25-2018-2020](#)

Internet of Things

[ICT-27-2018-2020](#)

Multilingual

[ICT-29-2018](#)

Global Social Sphere

[ICT-28-2018](#)

Inclusive

[ICT-30-2019-2020](#)

NGI - Open Internet Initiative

[ICT-24-2018-2019](#) + [ICT-31-2018-2019](#)

5G

Cloud

HPC

Big
Data

Cyber
Security



Next Generation Internet – Open Internet Initiative

- Focus on **Internet innovators** that do not normally participate in EC funded research
- Impact orientation: **short research / validation cycles** to quickly bring research results to the market
- **Cascading grants**: agile programming, flexible implementation
- Supporting the **human-centric Internet** vision

R&I project implementation through sub-granting

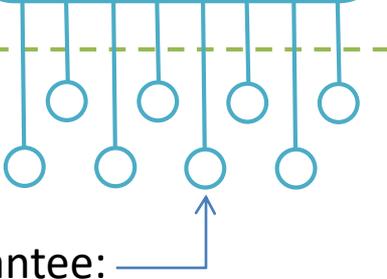
Project submitted to EC call:
Run by organisations in the ecosystem
Leadership in the research area
Euro 7 million, 2-3 years,
80% for sub-grantees, pan-European
Procedures adapted to stakeholders

R&I Action:

Privacy and trust
enhancing
technologies

Activities include inter-alia:

- Definition of the calls for projects
- Attracting and selecting top-teams
- Monitoring
- Mentoring, Coaching, Sharing
- Community building

Sub-grantee: 

- One legal entity with one specific project
- **Internet innovators: hi-tech startups and SMEs, researchers, developers, ...**
- Carry out the R&I work
- 50.000 – 200.000 Euro, 9 – 12 month

NGI R&I actions in 2018 call

Privacy and Trust Enhancing Technologies

- ✓ Sensors, devices, AI-based algorithms incorporated in our digital environment
- ✓ Greater control when sharing personal data, attributes and information
- ✓ Robust and easy to use technologies

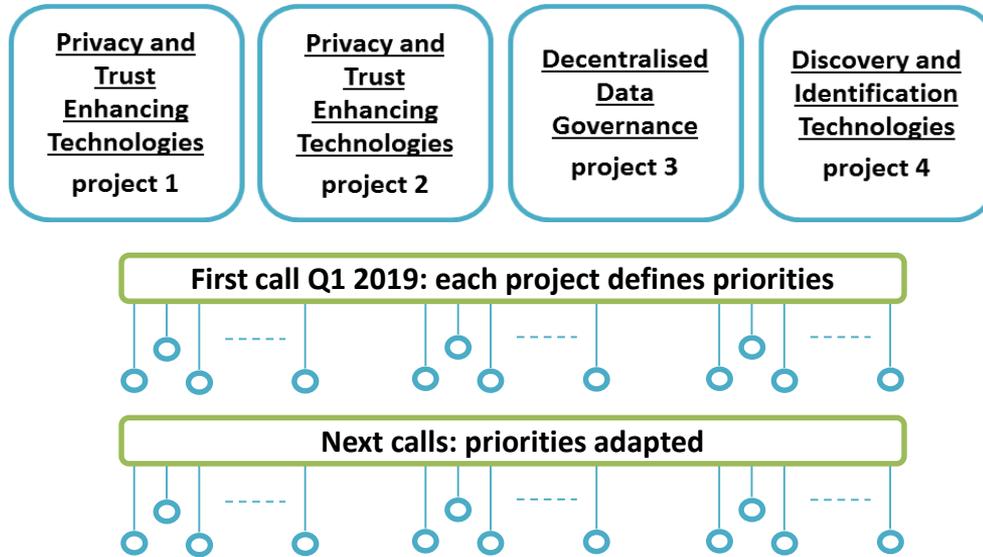
Decentralised Data Governance

- ✓ Open hardware and software ecosystems based on blockchains, DLT, P2P technologies
- ✓ Attention to ethical, legal and privacy issues
- ✓ Supporting autonomy, data sovereignty and ownership

Discovery and Identification Technologies

- ✓ Large heterogeneous data sources, services, objects and sensors, multi-media content
- ✓ Contextual querying, personalised information retrieval and increased quality of experience

NGI R&I actions selected in 2018 call



The Intermediaries:

- ✓ **Agile programming**, which can adapt to the technology / market evolution and evolve based on its learnings
- ✓ **Try & fail or succeed culture**: promising lines are expanded; failure feeds the ecosystem for learning and improving
- ✓ A process to **select most promising avenues** (funnel like focusing on impact)

The Sub-Grantees:

- ✓ Selection based on **excellence & quality**
- ✓ **Research with market orientation** - not just apps
- ✓ **Co-creation model** - supporting novel ideas while contributing to overall goals & objectives
- ✓ **Low administrative burdens**

NGI R&I actions in 2019 call

Strengthening internet trustworthiness with electronic identities

- ✓ Authentication, authorisation, traceability, privacy and confidentiality (incl. objects, ...)
- ✓ New business models for verifying and valuating data
- ✓ Scalability, standardisation, deployability, ease of use, ...

Service and data portability

- ✓ Separation of data from services provided to end-users
- ✓ Handling mixed data sets, standardisation, operational and business models
- ✓ Techno-legal constraints, simplification of terms of use

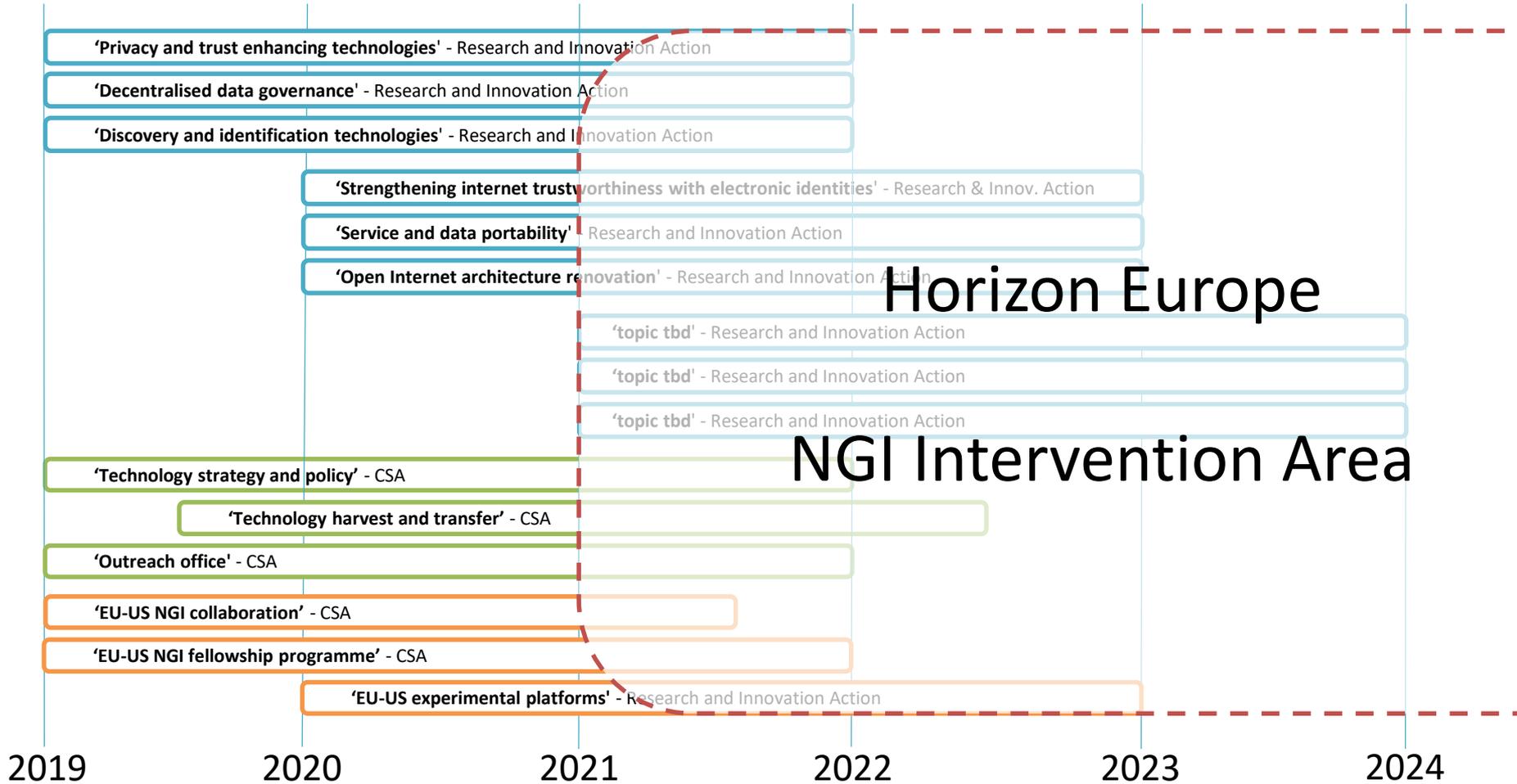
Open internet architecture renovation

- ✓ Internet architecture evolution towards better efficiency, scalability, security & resilience
- ✓ Auditing, testing and improving protocols and open source SW and HW
- ✓ Ability to roll-out at internet scale

Call for RIAs opens: October 2018

Deadline submission proposals: March 2019

First call for sub-grantees: Q1 2020



Join us in this exciting journey



<https://www.ngi.eu>

<https://ec.europa.eu/digital-single-market/en/next-generation-internet-initiative>

<https://ec.europa.eu/research/participants/portal>