



# **NGI Funding Opportunities**

## **- Upcoming H2020 Calls**

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**European Commission**

# Horizon 2020: NGI



**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](#)

**Blockchain for the NGI**

[ICT-54-2020](#)

5G

Cloud

HPC

Big  
Data

Cyber  
Security



# NGI - Open Internet initiative

*Focus on Internet innovators: hi-tech startups, open source developers, individual researchers, and other multidisciplinary actors*

*Impact orientation: short research / validation cycles to quickly bring results to the market*

*Cascading grants: agile programming, flexible implementation*

*Supporting the human-centric Internet vision*

**NGI**

# R&I project implemented through sub-granting

Project submitted to EC call:  
Run by organisations in the ecosystem  
Leadership in the research area  
Euro 6 / 8 million, 2-3 years,  
**70% 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: outstanding academic research groups, hi-tech startups and SMEs, developers, ...**
- Carry out the R&I work
- 50.000 – 200.000 Euro, 12 month (indicative)

# What areas?



- *WP2018*
  - **Privacy and Trust enhancing technologies**
  - **Decentralized data governance**
  - **Discovery and identification technologies**
- *WP2019 (Projects start end 2019 / early 2020)*
  - **Strengthening internet trustworthiness with electronic identities**
  - **Service and data portability**
  - **Open Internet architecture renovation**
- *WP2020 (ddl January 2020): Blockchain for the Next Generation Internet*
  - **Advancing research on Blockchain and Distributed Ledger Technologies**
  - **Fostering trust in internet information exchange and content with blockchain**
  - **Bringing forward the emergence of collective intelligence on the internet**

 Presented this morning



## i. Advancing research on Blockchain and Distributed Ledger Technologies

- Conducting research, proofs of concepts, piloting, testing and benchmarks **to improve and further develop advanced blockchain technologies**, for example regarding energy efficiency and sustainability, consensus protocols, a priori usage control, scalability and throughput, security, privacy, robustness, interoperability, cryptography, smart contracts, governance, compliance to regulatory frameworks. This action should **contribute to standardisation activities**.



## ii. Fostering trust in internet information exchange and content with blockchain

- Develop decentralised blockchain-based solutions that can be scaled in a sustainable manner, combined with the use of trustworthy electronic identification, authentication and verified pseudonyms, **to preserve the integrity and reliability of information and content**, including the underlying sources, **on the internet**.
- Two use cases:
  - a) develop and implement new transparent and accountable reputation-based models to increase trustworthiness of the information exchange on the internet and social networks and
  - b) provide solutions for transparency, trustworthy transactional content handling, on the internet and social networks.



### iii. Bringing forward the emergence of collective intelligence on the internet

- Develop approaches for **scientific understanding and technology-based stimulation of collective intelligence** on social media and the internet to foster trustworthy knowledge and information sharing, and to enhance social inclusion.
- Two use cases:
  - a) develop new community-based service models on social networks that exploit collective intelligence to provide enhanced community services, and increase the availability of trustworthy content and
  - b) in the context of collective intelligence develop and implement new concepts for connecting people and smart objects/agents/AI on social media.
- Approaches for both use cases must be **rooted in scientific analysis of collective behaviour** (taking into account gender difference, where relevant) **and network mechanisms**, harness decentralised technologies such as P2P or blockchain for governance and support a dependable collective memory.

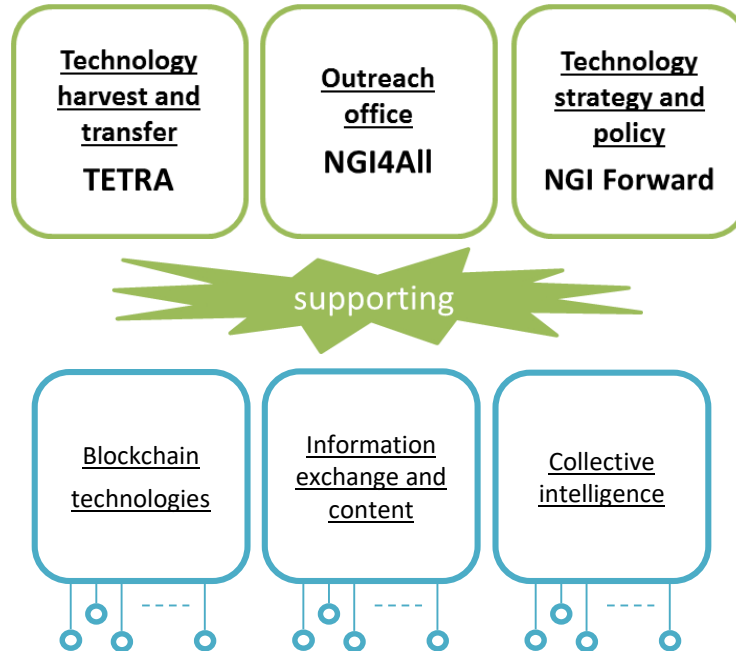




# Blockchain for the NGI - Timing and budget

- ***Call opening: 09/07/2019      Call closing: 16/01/2020***
- ***Budget: i. RIA: 8 M€; ii. RIA: 6 M€; iii. RIA: 6 M€***
- ***Expected duration: 24 to 36 months***
- ***As the primary purpose of the action is to support and mobilise internet innovators, a minimum of 70% of the total requested EU contribution should be allocated to financial support to the third parties***

# Coordination and Support Actions (from previous calls)



# 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/digital-single-market/en/tackling-online-disinformation>
- <https://ec.europa.eu/digital-single-market/en/blockchain-technologies>
- [www.eublockchainforum.eu](http://www.eublockchainforum.eu)

