NEXT GENERATION INTERNET

the next generation internet initiative cordially invites you to

work for the internet

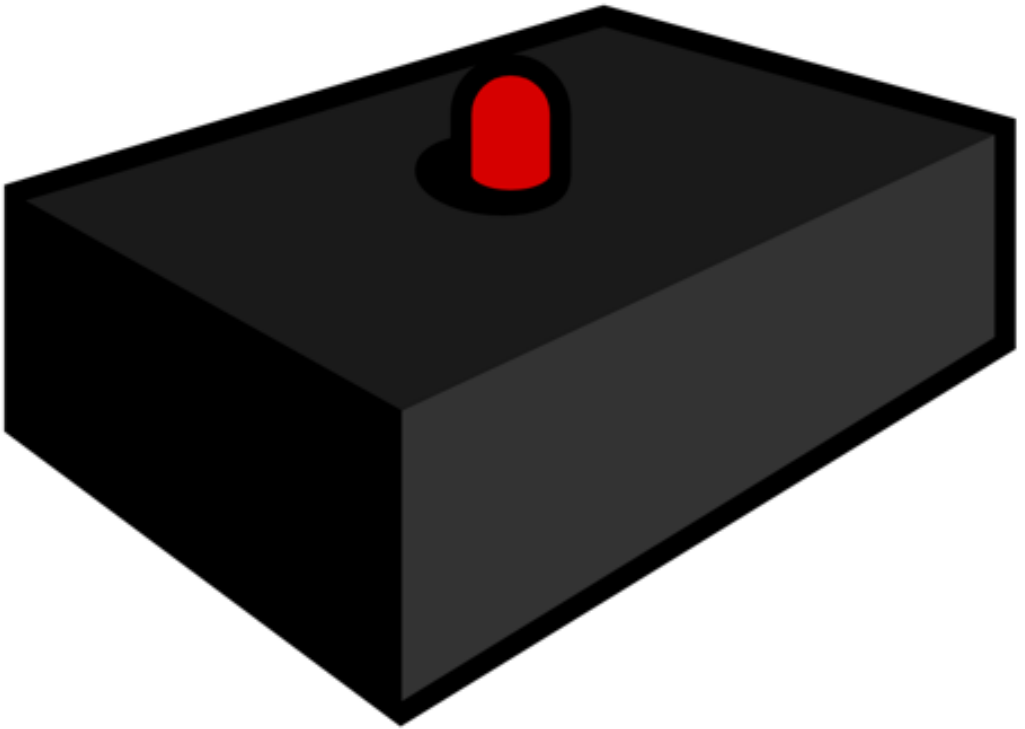
Full time and part-time paid and unpaid positions available.

- Work from home (or anywhere you like)
- Collaborate with people from all over the world
- Challenge your talents to the extreme
- Help save future generations

European Commission

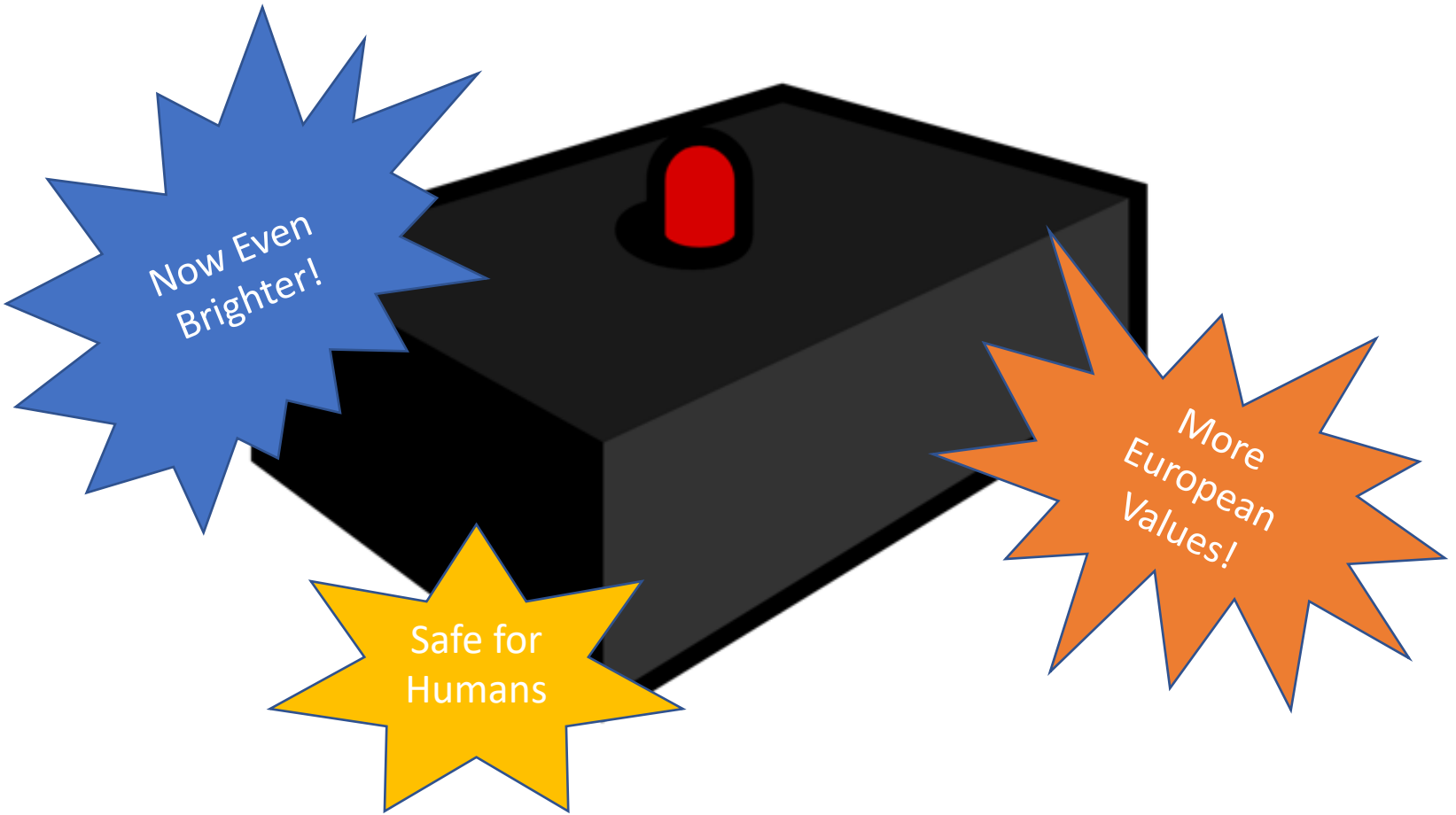
NEXT GENERATION INTERNET

The Internet



NEXT GENERATION INTERNET

The Next Generation Internet



NEXT GENERATION INTERNET

Next Generation Internet

Partnership for innovative technological solutions to ensure privacy & enhance trust for the human-centric Internet

Open Calls 2019-2021

Grant Agreements 825618 / 825322 / 825310 / 825354

GÉANT
Networks • Services • People

European Commission

The larger ecosystem

RIPE NCC
RIPE NETWORK COORDINATION CENTRE

DIGITALEUROPE

GÉANT
Networks • Services • People

EDRi

centr

euro-IX

Internet Society

EuroISPA

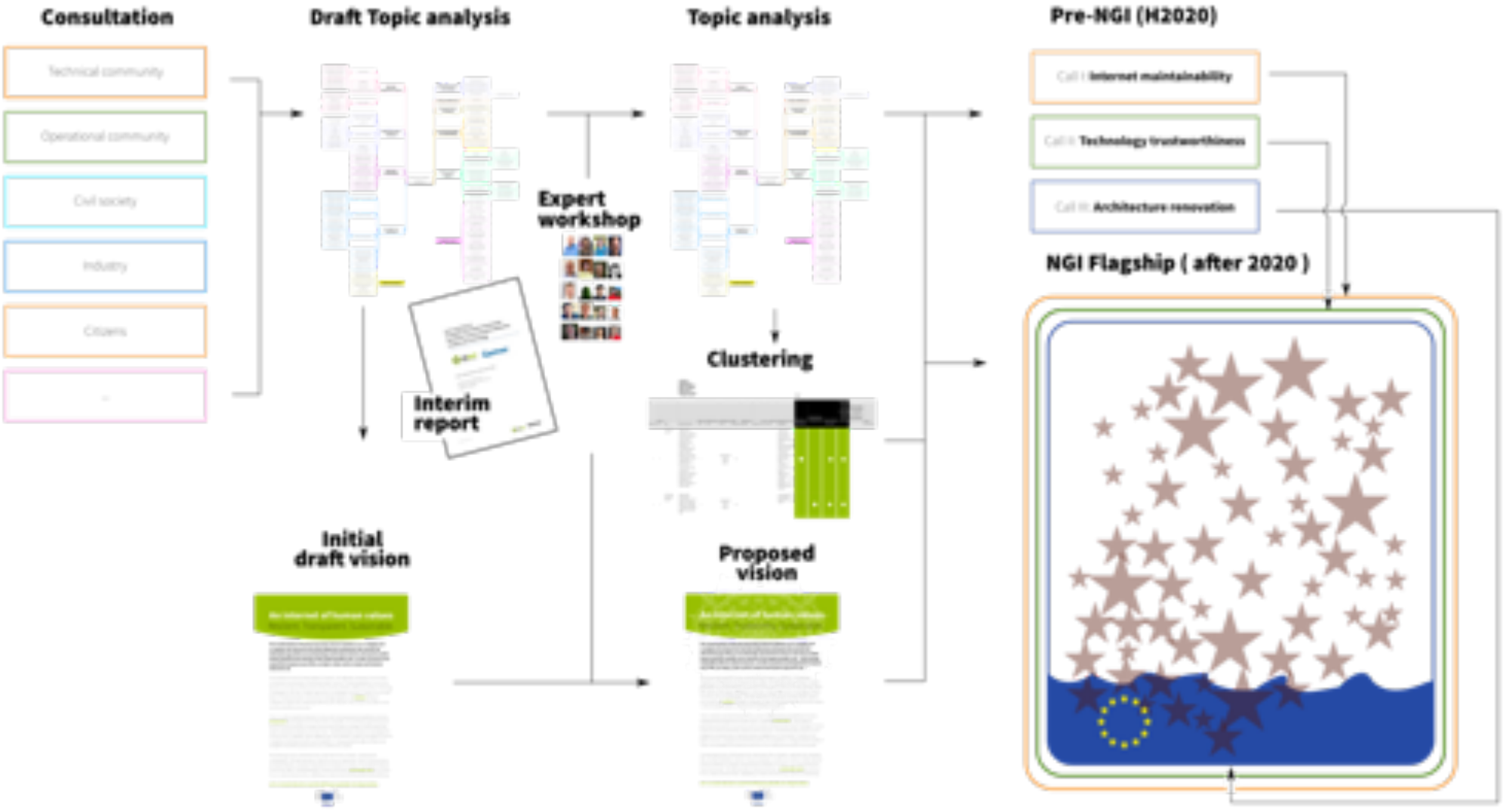
W3C

fsfe

IETF

eco

nlnet FOUNDATION


Consultation
Technical community
Operational community
Civil society
Industry
Citizens
...
Draft Topic analysis
Interim report
Expert workshop
Topic analysis
Clustering
Initial draft vision
Proposed vision
Pre-NGI (H2020)
Call I: Internet maintainability
Call II: Technology trustworthiness
Call III: Architecture renovation
NGI Flagship (after 2020)

NGI Vision

"The overall mission of the Next Generation Internet initiative is to re-imagine and re-engineer the Internet for the third millennium and beyond. **We envision the information age will be an era that brings out the best in all of us.** We want to enable human potential and creativity at the largest possible scale. In order to preserve and expand the European way of life, we shape a value-centric, human and inclusive Internet for all."

Read full text at https://ngi.eu/vision

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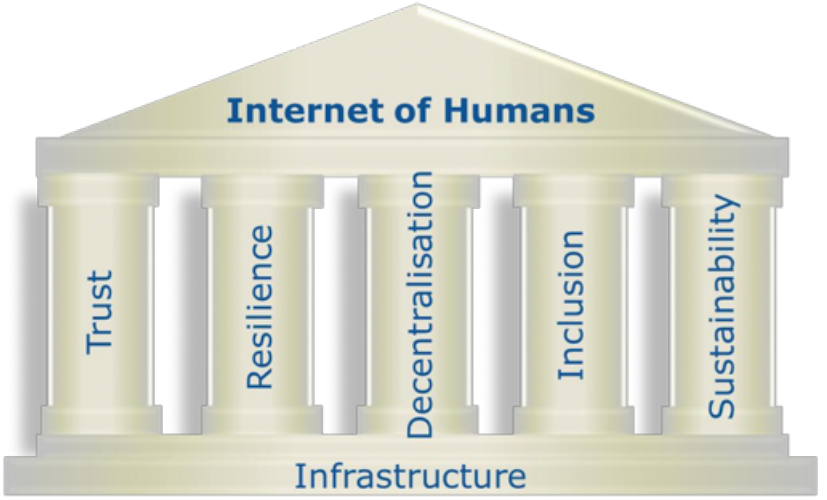
NEXT GENERATION INTERNET

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



NEXT GENERATION INTERNET

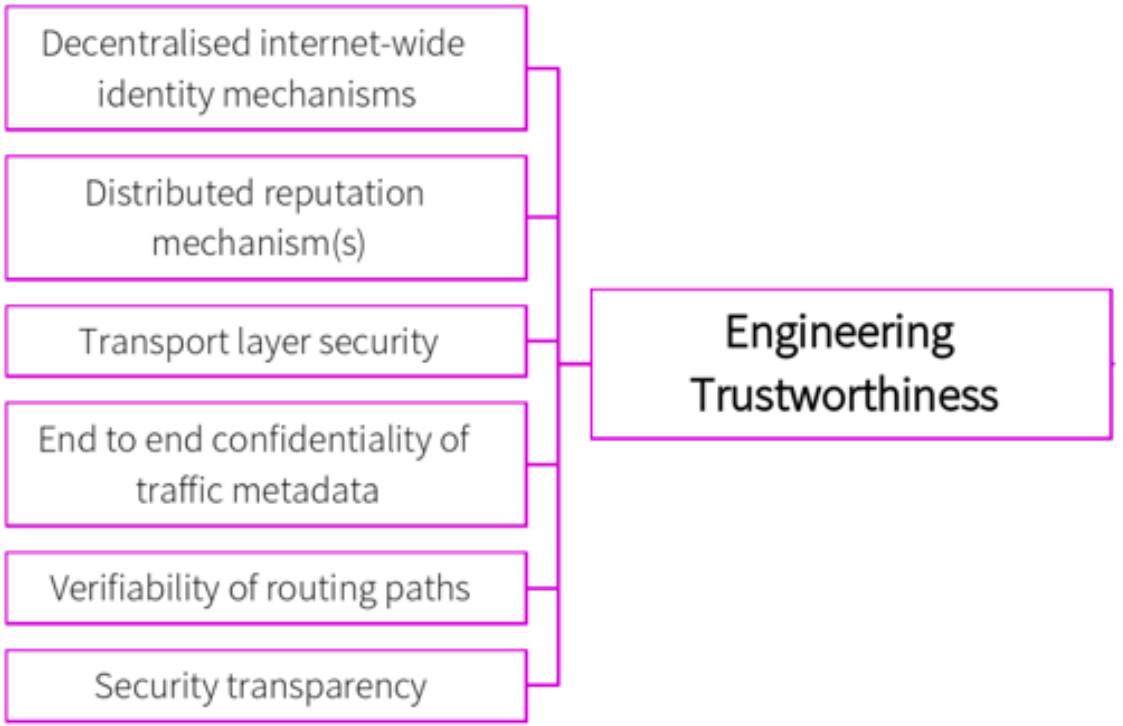
Engineering trustworthiness

The original core architecture has been exposed as rather fundamentally untrustworthy. A key rationale for creating a Next Generation Internet.

As one interviewed expert succinctly put: “*we need trust built from the ground up*”. Every technical primitives from the current internet needs to be re-evaluated in terms of the complete threat catalogue.

NEXT GENERATION INTERNET

Building security from the ground up



NEXT GENERATION INTERNET

NGI OPEN CALLS

Visit www.ngi.eu

– OPEN –

PRIVACY ENHANCING TECHNOLOGIES

NGI TRUST OPEN CALL
November 30th deadline!

DECENTRALISED TECHNOLOGIES

LEDGER OPEN CALL
Expected April 30th 2020 deadline!

NEXT GENERATION SEARCH AND DISCOVERY

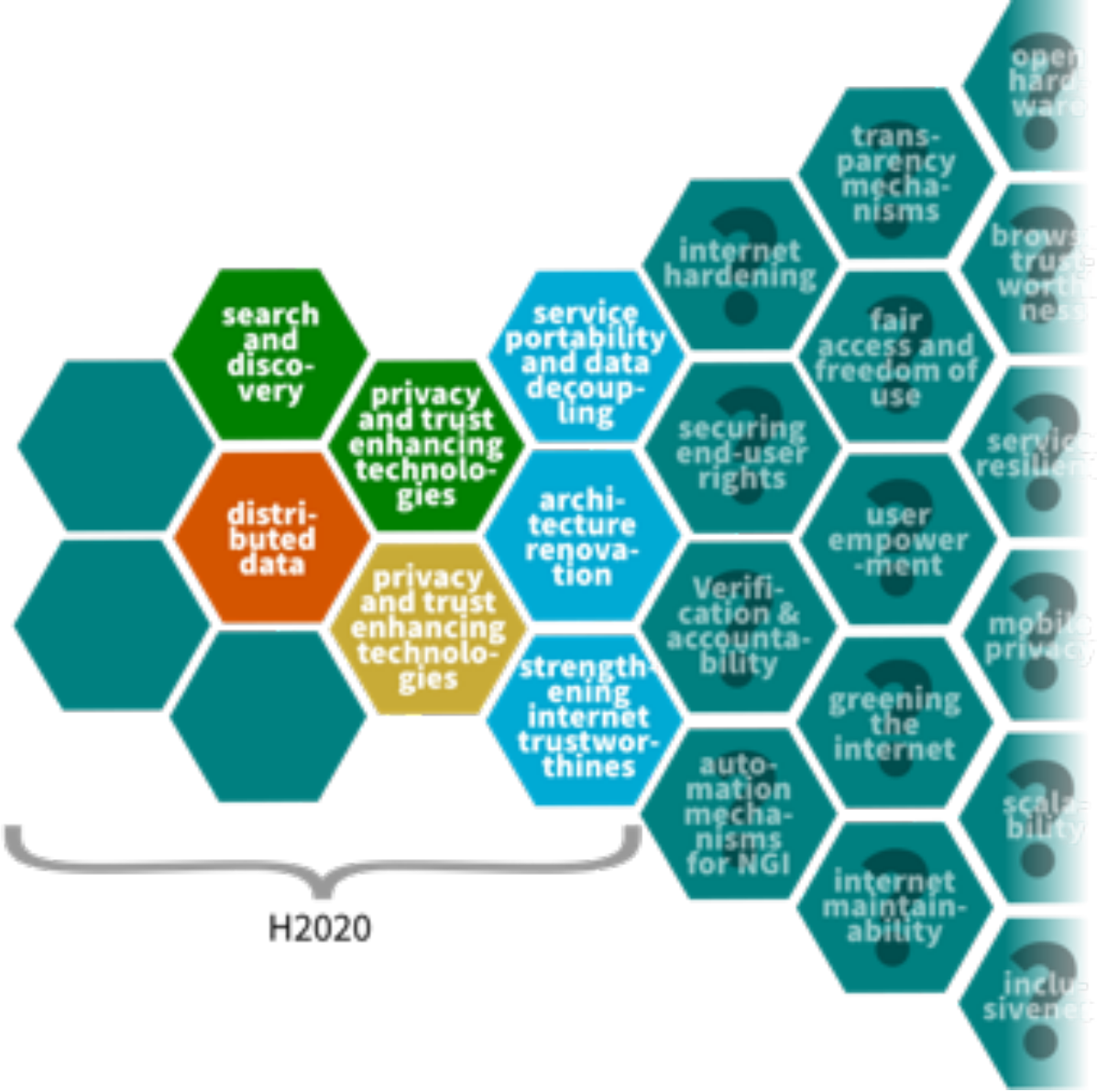
NGI ZERO DISCOVERY
August 1st deadline!

PRIVACY & TRUST ENHANCING TECHNOLOGIES

NGI ZERO PET
August 1st deadline!

NEXT GENERATION INTERNET

Next Generation Internet
Research & Innovation actions



NEXT GENERATION INTERNET

Key characteristics

5.6 million euro in grants between now and 2021

Go to https://ngi.eu and navigate to Open Calls

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5.6 million euro in small grants between now and 2021

Two *More* Competitive calls in October + February 2020

Viability (up to €100k)
Execution (up to €180k)*
Commercialisation (up to €200k)*

Competitive calls every **two months** until the budget is allocated.

Projects between €5k-50k

NEXT GENERATION INTERNET

Key characteristics

5.6 million euro in small grants between now and 2021

Competitive calls every **two months** until the budget is allocated.

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Go to https://ngi.eu and navigate to Open Calls

5.6 million euro in grants between now and 2021

Up to €200k

LEDGER

NEXT GENERATION INTERNET

EU-US Collaboration

Contact me…

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brook.schofield@geant.org

http://ngi.eu/opencalls/