NGI Zero: year 0

Come work for the internet on privacy, trust, search & discovery

Powered by the European Commission Directorate-General for Communications Networks Content and Technology

825322 / 825310
TODAY WE CREATE THE INTERNET OF TOMORROW
“From utopia to dystopia in just 29 short years”

“We demonstrated that the Web had failed instead of served humanity, as it was supposed to have done, and failed in many places. The increasing centralization of the Web ended up producing—with no deliberate action of the people who designed the platform—a large-scale emergent phenomenon which is anti-human.”

Tim Berners-Lee
An engineering race with high stakes

Wernher von Braun

Robert Oppenheimer
NGI is a moonshot ++ effort

- The internet is the **largest** and **most pervasive** technical construct ever made by humans
- And we need to change it with 3.8+ billion people ‘on board’.
- Work consistent and forward-thinking. No time to lose.
The larger ecosystem

RIPE NCC
RIPE NETWORK COORDINATION CENTRE

GÉANT
Networks • Services • People

EDRi

Centr

Euro-IX

Internet Society

EurolSPA

W3C®

fsfe

IETF

nlnet

DIGITALEUROPE
"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
Facilitate incremental innovation as tech commons

'R&I Actions' should encourage, when relevant, **open source** software and **open hardware** design, access to **data**, **standardisation** activities, access to testing and operational infrastructure as well as an IPR regime ensuring lasting impact and **reusability** of results.
One year ago in a room rather close to this one...
Fast-forward...
Next Generation Internet Research & Innovation actions
News

NGI Zero awarded two EC research and innovation actions 2018/12/01

EC publishes study on Next Generation Internet 2025 2018/10/05

Bob Goudriaan successor of Marc

Open call for funding

Deadline for submission: April 1st 2019

Submit a proposal

Do you have a valuable idea in the area of networking and internet technology, privacy and trust enhancing technologies or search and discovery? And are you looking for financial means to make your ideas come to life? Or do you want to extend the existing research to a larger scale? Then we are looking for proposals for our Next Generation Internet initiative.

Calls

Send in your ideas. Deadline April 1st, 2019.
Project-centric
Our approach

Design a light-weight and confidential application procedure providing adequate insight into technical capabilities as well as the urgency, relevance and relative cost effectiveness of the projects proposed at a low cost to the applicants.

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<tr>
<td>30%</td>
<td>Technical excellence/feasibility</td>
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<tr>
<td>40%</td>
<td>Relevance/Impact/Strategic potential</td>
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<td>30%</td>
<td>Cost effectiveness/Value for money</td>
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Improve ideas where needed

.. we use a staged approach which identifies and amends missing or inadequate aspects of the proposals prior (and conditional) to the start of a project.

... and guide and support projects with essential QA and strategic aspects that require additional expertise
Be consistent in requirements and best practices

*Make sure* every project delivers on **accessibility**

*Make sure* projects can be **localised/internationalised**

*Make sure* **licensing** is compatible and all legal stuff is in order

Support with dealing with **standards** setting organisations

Provide a **responsible disclosure** procedure

Provide **documentation** for users/developers
(continued)

Mentor with applying best practices in **secure software** development across all projects

Create a **reproducible** build environment and help design **automated tests**

Perform an early stage independent **security scan** of the project plan

Make software **available** early to allow for ‘many eyeballs’

Independent **security scan** of the actual outcomes
Liaise and mentor projects with interacting with **ecosystem** and **target groups**, e.g. technical and operational community, digital rights organisations, free software community, businesses, consumer organisations, end users.

Manage and support **diversity** and gender bias in the design phase.
Privacy & Trust Enhancing Technologies
Privacy isn't dead, but we lack the right tools to protect our intimacy.

Reliability, confidentiality, integrity and security should be the 'new normal' of the internet, something ordinary users should not have to worry about.

Trust is one of the key drivers for the Next Generation Internet, and an adequate level of privacy is a non-negotiable requirement for that.
Next Generation Search & Discovery
The pen may be mightier than the sword, but how does it fare against the search button?

Search should not be a gatekeeper, a black box or a privacy nightmare. If the internet is the equivalent of a global brain, we need creativity and diversity in the pathways across that brain to unlock its true potential. Search and discovery are basic human needs for humans of all ages, and we would like to put powerful new technology in the hands of future generations as building blocks for a fair and democratic society and an open economy that benefits all.
Key characteristics

Competitive calls every two months until the budget is allocated.

Projects between 5k-50k

Walk the talk:
- Inclusion
- Security
- Localisation
- Open Standards
- Free & Open Source
- Deliver to deploy

5.6 million euro in small grants between now and 2021
For other calls and more info

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

5.6 million euro in grants between now and 2021
Accessibility.nl

The idea of great grant making is after all simple: it is not about the funder, but about the fundees.
join us and help discover and shape the next generation internet
and claim your spot in human history
Full time and part-time paid and unpaid positions available.

Read all about it on
https://nlnet.nl/discovery
https://nlnet.nl/PET
https://ngi.eu
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