

# NGI

## ENRICHERS

### NEXT GENERATION INTERNET TRANSATLANTIC FELLOWSHIP PROGRAM

January 18<sup>th</sup>, 2023 – NGI Enrichers Online Summit



# NGI ENRICHERS ONLINE SUMMIT

## AGENDA: 14:30 – 18:15 CET / 8:30AM – 12:15 PM EST

### 14:30 – 15:00 Opening

- Welcome from EU – *Dr Fabrizio Sestini, Senior Expert, Digital Social Innovation, Unit "Next-Generation Internet", European Commission* (10 mins)
- Welcome from USA by *Dr Stefano Lami, COO of SMQS* (10 mins)
- Welcome from Canada by *Bernard Duval, MITACS* (10 mins)

### 15:00 – 15:25 NGI Enrichers and open calls overview

- NGI Enrichers overview by *Dr Svetlana Klessova, NGI Enrichers Program Coordinator, G.A.C. Group (France)* (15 mins)
- Open Calls overview by *Mattia Ceracchi, APRE* (10 mins)

### 15:25 – 15:55 Session 1 - Feedback from the hosts - Moderated by SPI, Portugal

- Short intro related to the hosts by *Francisco Rocha, SPI* (10 mins)
- Experience sharing:
  - [Houbing Song](#), Associated Professor at Maryland University, former and current host (5 mins)
  - [Gil Zussman](#), Professor at University of Columbia, former host (5 mins)
- Interactive Q & A, suggestions (10 mins)

# NGI ENRICHERS ONLINE SUMMIT

## AGENDA: 14:30 – 18:15 CET

### 15:55 – 16:25 Session 2 - Feedback from alumni – fellows - Moderated by APRE , Italy

- Short intro related to the past program by *Dr Svetlana Klessova, GAC* (5 mins)
- Experience sharing:
  - Dr Igor Kotsiuba, Co-founder at iSolutions Labs, former fellow (7 min)
  - Refael Shamir, Founder at Letos, former fellow (7 min)
- Interactive Q & A, suggestions (10 mins)

### 16:25 – 16:55 Session 3 - NGI for Ukraine – Co-moderated by iSolutions and AEI-Agency of European Innovation, Ukraine

- Introduction and overview of main NGI challenges for Ukraine by [Igor Kotsiuba](#), *iSolutions Labs* (5 mins)
- Experience of promoting Ukrainian startups on the US market by [Pavlo Kartashov](#), Director of Innovation Development Fund (5 mins)
- NGI opportunities for Ukraine in Industry 4.0. by [Alexandre Yurchak](#), APPAU (5 mins)
- NGI topics for Healthcare by [Anna Fadieieva](#), *iSolutions Labs* (5 mins)
- NGI opportunities for innovation community Ukrainian University, [Nazar Podolchak](#), Scientific Park Lviv

- 3 Polytechnic National University (5 mins)
- Interactive Q & A and suggestions (5 mins)

# NGI ENRICHERS ONLINE SUMMIT

## AGENDA: 14:30 – 18:15 CET

### **16:55 – 17:20 Session 4 - Enrichers Bootcamps and training in Rome, Italy – Moderated by ENRICH GLOBAL**

Short intro to bootcamps, needs of future fellows and trainings *by Fahima Sadaoui-Ramos* (5 mins)

- Plans presented by Bootcamp trainers

*By Blandine Chantepie-Kari, Temple University* (5 mins)

*By Rhannon McMillan, Focus4 Communications* (5 mins)

*By Dr Andrea Degen, EUREL* (5 mins)

- Interactive Q & A and suggestions (5 mins)

### **17:20 – 17:30 Closing and next steps - *by G.A.C.***

### **17:30 – 18:15 Breakout Rooms - sharing ideas, Q&A**

1.Fellows, bootcamps and training, *hosted by APRE and ENRICH GLOBAL*

2.US and Canadian Host, *hosted by SPI and MITACS*

3.Ambassadors and Evaluators, *hosted by G.A.C.*

# NGI

## ENRICHERS

### NEXT GENERATION INTERNET TRANSATLANTIC FELLOWSHIP PROGRAM

**Dr Svetlana Klessova, Director, Research and Innovation Partnerships, G.A.C. Group (France)**  
**Coordinator of NGI Enrichers**



## THE NGI INITIATIVE

- **Aims to shape** the evolution of the Internet into an Internet of Humans  
⇒ an Internet that responds to people's fundamental needs, including trust, security, and inclusion, with greater involvement from different stakeholders.
- **Aims to mobilise** the best ideas to improve how we find/connect people, devices, services, ideas.
- **Has funded 600+ innovators** with inclusive and trust-based complementary technology building blocks 6 incl. services, applications, decentralised ledger technologies such as blockchain, data portability, AI, machine learning, networking, hardware, open source software...
- **Broad range of subjects:** private search, instant messaging, remote working tools with data privacy, health, energy, finance, supply chains, research, knowledge management, responsible media platforms...

<https://www.ngi.eu/>



# BACKGROUND (2)

# DECLARATION FOR THE FUTURE OF THE INTERNET

## A DECLARATION for the FUTURE of the INTERNET

We are united by a belief in the potential of digital technologies to promote connectivity, democracy, peace, the rule of law, sustainable development, and the enjoyment of human rights and fundamental freedoms. As we increasingly work, communicate, connect, engage, learn, and enjoy leisure time using digital technologies, our reliance on an open, free, global, interoperable, reliable, and secure Internet will continue to grow. Yet we are also aware of the risks inherent in that reliance and the challenges we face.

We call for a new Declaration for the Future of the Internet that includes all partners who actively support a future for the Internet that is an open, free, global, interoperable, reliable, and secure. We further affirm our commitment to protecting and respecting human rights online and across the digital ecosystem. Partners in this Declaration intend to work toward an environment that reinforces our democratic systems and promotes active participation of every citizen in democratic processes, secures and protects individuals' privacy, maintains secure and reliable connectivity, resists efforts to splinter the global Internet, and promotes a free and competitive global economy. Partners in this Declaration invite other partners who share this vision to join us in working together, with civil society and other stakeholders, to affirm guiding principles for our role in the future of the global Internet.

### RECLAIMING THE PROMISE OF THE INTERNET

The immense promise that accompanied the development of the Internet stemmed from its design: it is an open "network of networks," a single interconnected communications system for all of humanity. The stable and secure operation of the Internet's unique identifier systems have, from the beginning, been governed by a multistakeholder approach to avoid Internet fragmentation, which continues to be an essential part of our vision. For business, entrepreneurs, and the innovation ecosystem as a whole, interconnection promises better access to customers and fairer competition; for artists and creators, new audiences; for everyone, unfettered access to knowledge. With the creation of the Internet came a swell in innovation, vibrant communication, increased cross-border data flows, and market growth—as well as the invention of new digital products and services that now permeate every aspect of our daily lives.

Over the last two decades, however, we have witnessed serious challenges to this vision emerge. Access to the open Internet is limited by some authoritarian governments and online platforms and digital tools are increasingly used to repress freedom of expression and deny other human rights and fundamental freedoms. State-sponsored or condoned malicious behavior is on the rise, including the spread of disinformation and cybercrimes such as ransomware, affecting the security and the resilience of critical infrastructure while holding at risk vital public and private assets. At the same time, countries have erected firewalls and taken other technical measures, such as Internet shutdowns, to restrict access to journalism, information, and services, in ways that are contrary to international human rights commitments and obligations. Concerted or independent actions of some governments and private actors have sought to abuse the openness of Internet governance and related processes to advance a closed vision. Moreover, the once decentralized Internet economy has become highly concentrated and many people have legitimate concerns about their privacy and the quantity and security of personal data collected and stored online. Online platforms have enabled an increase in the spread of illegal or harmful content that can threaten the safety of individuals and contribute to radicalization and violence. Disinformation and foreign malign activity is used to sow division and conflict between individuals or groups in society, undermining respect for and protection of human rights and democratic institutions.

### OUR VISION

We believe we should meet these challenges by working towards a shared vision for the future of the Internet that recommit governments and relevant authorities to defending human rights and fostering equitable economic prosperity. We intend to ensure that the use of digital technologies reinforces, not weakens, democracy and respect for human rights; offers opportunities for innovation in the digital ecosystem, including businesses large and small; and, maintains connections between our societies. We intend to work together to protect and fortify the multistakeholder system of Internet governance and to maintain a high level of security, privacy protection, stability and resilience of the technical infrastructure of the Internet.

We affirm our commitment to promote and sustain an Internet that is an open, free, global, interoperable, reliable, and secure and to ensure that the Internet reinforces democratic principles and human rights and fundamental freedoms; offers opportunities for collaborative research and commerce; is developed, governed, and deployed in an inclusive way so that unserved and underserved communities, particularly those coming online for the first time, can navigate it safely and with personal data privacy and protections in place; and is governed by multistakeholder processes. In short, an Internet that can deliver on the promise of connecting humankind and helping societies and democracies to thrive.

The Internet should operate as a single, decentralized network of networks - with global reach and governed through the multistakeholder approach, whereby governments and relevant authorities partner with academics, civil society, the private sector, technical community and others. Digital technologies reliant on the Internet, will yield the greatest dividends when they operate as an open, free, global, interoperable, reliable, and secure systems. Digital technologies should be produced, used, and governed in ways that enable trustworthy, free, and fair commerce; avoid unfair discrimination between, and ensure effective choice for, individual users; foster fair competition and encourage innovation; promote and protect human rights; and, foster societies where:

- Human rights and fundamental freedoms, and the well-being of all individuals are protected and promoted;
- All can connect to the Internet, no matter where they are located, including through increased access, affordability, and digital skills;
- Individuals and businesses can trust the safety and the confidentiality of the digital technologies they use

- Proposed by the European Union, the United States, and several international partners
- Sets out the vision and principles of a trusted Internet
- Launched on **April 28, 2022**, at a hybrid event in Washington, D.C., organized by the **White House's National Security Council**.
- Signatories: **all EU Member States, US, Canada and 31 other countries** (end 2022 status)

# NGI ENRICHERS: THE TRANSATLANTIC FELLOWSHIP PROGRAMME

European gateway for **human-centric Internet researchers and innovators** to the US and Canada

## Goals

- **to enhance cooperation** in the development of NGI technologies, services and standards
- **to reinforce and expand** NGI transatlantic ecosystem Europe-USA-Canada



**September 2022 – August 2025**

**FUNDED** by the European Commission

+ own contributions of implementing consortium partners





# EXAMPLES

# NEXT GENERATION INTERNET



## Human-centric internet values:

- Autonomy
- Interoperability
- Cooperation
- Openness
- Inclusivity
- Data protection
- Data sovereignty
- Data privacy
- Transparency



## Focus areas

- Artificial intelligence
- Blockchain
- Big Data
- Internet of Things
- 5G/6G
- Cyber security
- Cloud/Edge Computing
- Xtended and virtual Realities
- Quantum computing ...
- Metaverse, digital commons, Web 3.0, Greening of ICT ...



## Application domains

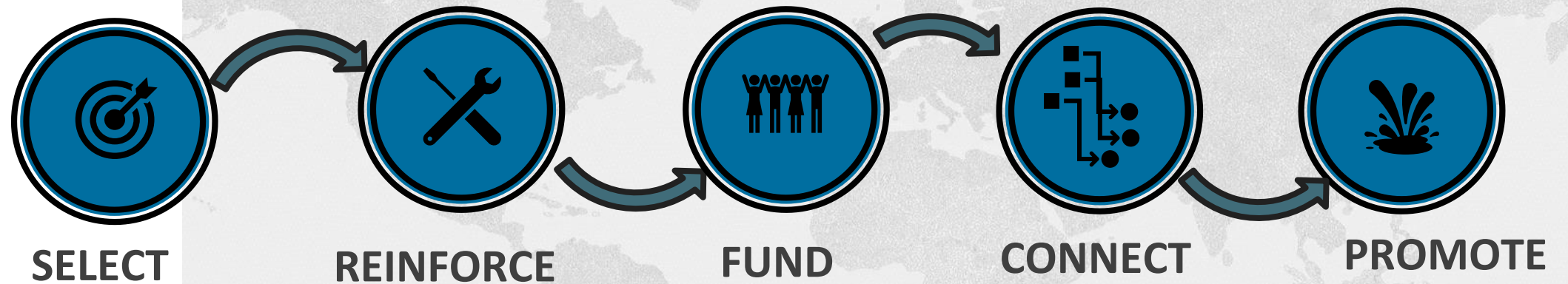
- Environment
- Health
- E-democracy
- E-mobility
- Digitalization
- Intuitive user experience
- Industry 4.0
- Immersive environment ....

# NEXT GENERATION INTERNET

# Psychology ....



## NGI ENRICHERS FELLOWSHIP



# NGI ENRICHERS AT A GLANCE: **SELECT** -> REINFORCE + FUND + CONNECT + PROMOTE

## NEXT GENERATION INTERNET

Tracks for applications (matching European applicants and US/Canadian hosts) – competitive calls



**Paired teams** (host and applicant already identified each other)  
=> call **open now until January 31, 2023**



**Open challenges** (host provides topics, applicants to be identified)  
=> call opens **Jan 31, 2023**



**Open ideas** (applicant provides topics, host to be identified)  
=> call opens **Jan 31, 2023**



**NGI technologies for Ukraine** (for all tracks):  
encouraged

# NGI ENRICHERS AT A GLANCE: SELECT; **REINFORCE** + FUND + CONNECT + PROMOTE

## NEXT GENERATION INTERNET

- Bootcamps to strengthen skills of fellows (Rome, mid-May 2023, virtual...): with practitioners and hot topics!
- On-demand **mentorship**
- Business, technical and collaboration **support services**
- **Webinars** (technical and nontechnical, supporting NGI community)
- **Community platform ...**



# NGI ENRICHERS AT A GLANCE: SELECT; REINFORCE + FUND + CONNECT + PROMOTE

## NEXT GENERATION INTERNET



- Financial support to NGI researchers and innovators from public and private sector:
  - To **travel between 3 to 6 months to the US or to Canada** and collaborate with their hosts on NGI related topics
  - **100% sponsored travel (Europe-> US or Canada) and subsistence:** Monthly living allowance (lump sum), travel costs (including bootcamp), visa

Financial support for each fellow (Fellowship grant)	
Monthly lump sum	3,800 EUR
Travel & visa costs (including <b>insurance</b> and <b>travel for training</b> ) will be reimbursed upon justification. Insurance costs will be reimbursed also for fellows not needing a Visa.	reimbursement up to 3,000 EUR
Funding ceiling per person	3 month-trip: 14,400 EUR 6-month trip: 25,800 EUR





# NGI ENRICHERS AT A GLANCE: SELECT REINFORCE + FUND + CONNECT + PROMOTE

## NEXT GENERATION INTERNET

- **To be hosted** by US and Canadian organisations, NGI-relevant:
  - Universities
  - Research centers
  - Private firms
  - NGOs
- to **jointly develop** innovative NGI solutions
- and services have impactful results
- or path to impactful results

- **To expand Next Generation Internet community**
- **To promote the fellows, hosts and the first results**

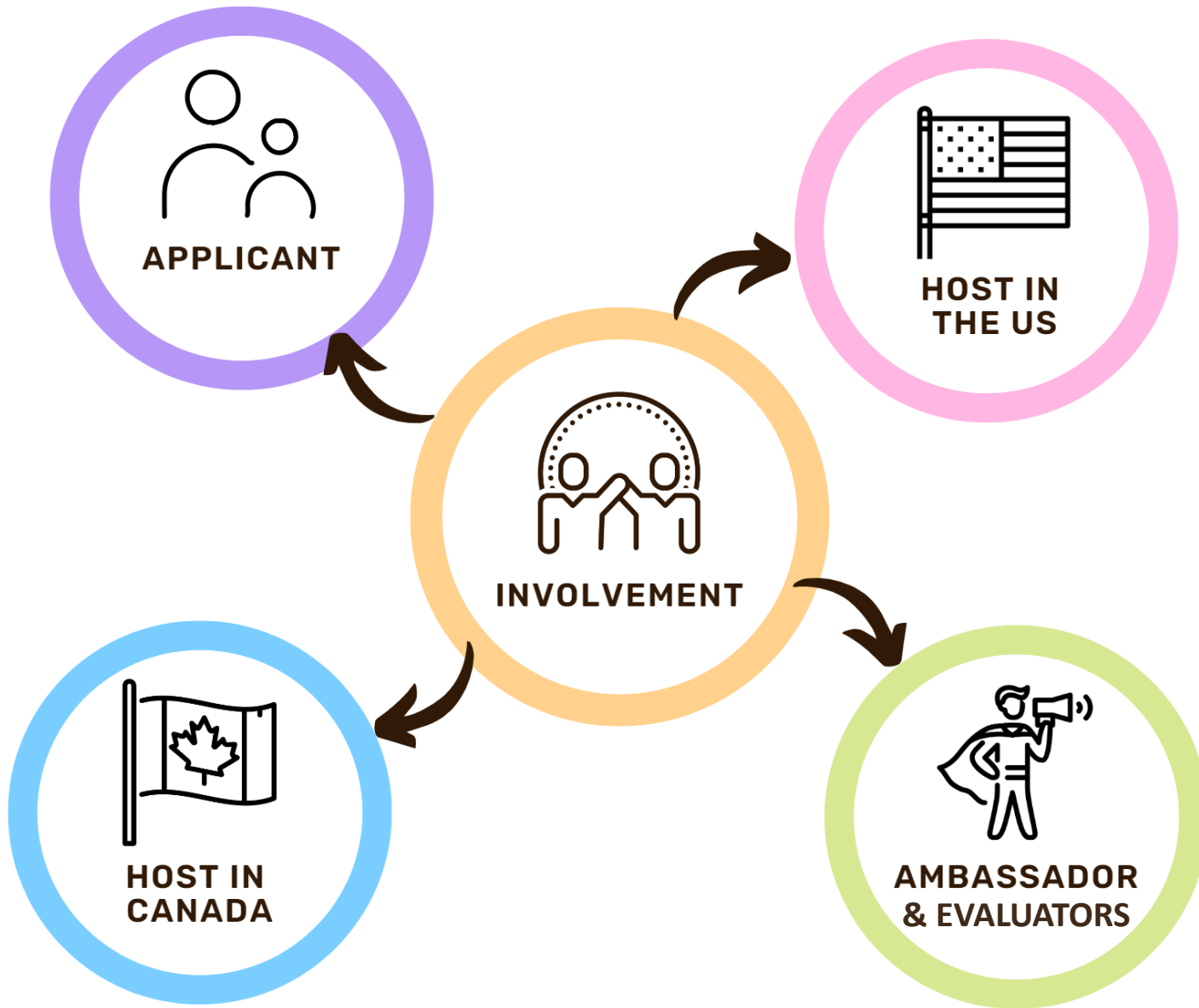


## NGI ENRICHERS AT A GLANCE: BENEFITS FOR HOSTS

Host Organizations will:

- **Access top researchers & innovators, young researchers & senior levels** in the domain of NGI to work and collaborate with the hosts on a project for 3 to 6 months
- **Tap into a growing network** of Next Generation Internet innovators and leading researchers
- Explore new partnerships with a flourishing **European community of excellence** that will help reshape the Internet
- **Get new experience for young academic or business specialists** from the hosts (including academia-industry joint NGI projects)
- **International visibility**, mentorship for fellows with benefit for the hosts etc etc...
- With **no costs whatsoever for the hosts** (fully funded by the European Commission)
- **And minimum time for search & selection process** (most work is done by NGI Enrichers & evaluators – criteria from the hosts)

**WHAT'S IN  
IT FOR  
HOSTS?**



# POSSIBLE WAYS OF INVOLVEMENT

# CONNECTED TO ENRICH IN THE USA – A GLOBAL & COLLABORATIVE INITIATIVE

# NEXT GENERATION INTERNET

## ENRICH in the USA Centers and Soft Landing Hubs (industry specialization)



### INFORMATION SERVICES

Market & RDI Studies, Funding Opportunities, First Aid Information Kits, Partner Search, Education Modules, Innovation Pipeline, EU Roadshows, etc.

Bundled Information & Relevant Knowledge



### GUIDANCE, TRAINING & INFRASTRUCTURE

Webinars, Training on Internationalisation, Proposal Writing, Workspace, etc.

Empowerment-Competencies & Capabilities



### MATCHMAKING & EVENTS

Working Visits, Innovation Tours, Matchmaking & Pitching Events, Research Connection Symposia, ENRICH Conference etc.

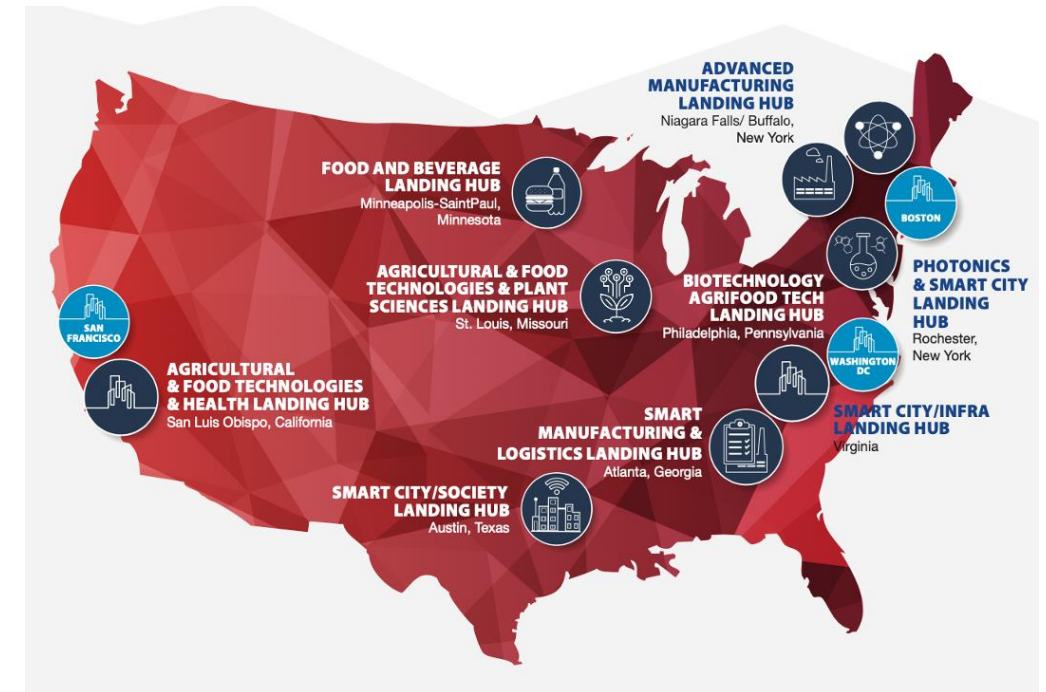
Trustful Relations between R&I&B Actors



### ADVICE & COACHING

Research Commercialisation & Business to Business Bootcamps, Business Acceleration Programme, Media Promotion, etc.

Customized support



<https://www.enrichintheusa.com/j-1-soft-landing-program>



Supported by the European Commission through Horizon 2020



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*Canadian AB member: in process by MITACS*



<https://enrichers.ngi.eu/advisory-board/>

# NGI ENRICHERS: IMPLEMENTING CONSORTIUM



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GROUP



**NCURA**  
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**Mitacs**



Sociedade Portuguesa de Inovação

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Research & Innovation Management Agency



AGENCY  
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INNOVATIONS



**eaec**



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Agenzia per la Promozione  
della Ricerca Europea



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## Next Generation Internet Transatlantic Fellowship Program NGI Enrichers: welcome to benefits!

The NGI Enrichers program supports European  
NGI researchers and innovators to spend  
**3-6 months in the US or to Canada**



## STAY UPDATE AND GET INVOLVED!



Website



Twitter



LinkedIn



YouTube



[contact@enrichers.ngi.eu](mailto:contact@enrichers.ngi.eu)

# NGI ENRICHERS: Welcome to benefits!

Feedback, suggestions, synergies  
welcome!

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The NGI Enrichers project has received funding from the European Union's Horizon Europe Research and Innovation Programme under grant agreement 101070125.

# NOW, MORE DETAILS FROM THE IMPLEMENTATION TEAM...

## FOR FUTURE HOSTS



By Francisco Rocha,  
SPI  
Portugal

## FOR FUTURE APPLICANTS



By Mattia Ceracchi  
APRE  
Italy

## FOR FUTURE FELLOWS AND COMMUNITY



By Fahima Sadaoui-Ramos  
ENRICH GLOBAL  
France & Worldwide