



WEBINAR #1 Step-by-Step guide

Open Call 3

Deadline: February 18, 16:00 CET

Join Zoom Meeting

<https://us02web.zoom.us/j/86889026294?pwd=eWFtN0RNSmVZRDhUeW5MdMmJZY2tWdz09>

Meeting ID: 868 8902 6294

Passcode: 083092



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No. 825183.



zobala
INNOVATION

OUTLINE

1. What is the NCI Explorers Program?

- Timeline & Target

2. 'Meet' our Explorers

3. Eligibility & "Must Know"

4. How to apply?

5. US Partners

6. Q&A



SPEAKERS



Iwa Stefanik
Project coordinator



Esther Murillo
Call management



Pablo Trueba
Call management



Giulia Pastor
Communication
Manager



Who is behind NGI Explorers?



UK based entity - the largest Startup/SME community globally with over

+1.3 million Startups & Corporates > **+ 300/** day

+1.7 million Founders > **+ 1,500/** day

+ €2 billions every year to Startups and SMEs

F6S Startup Innovation Scouting is the leading global solution



+4,000 more



Marketing services for European High-Technology

10+ Years skyrocketing the impact of cutting-edge Research + Innovation

6+ Years working with US Partners



Spain-based SME, with wide experience in supporting entities in the management of their RTD and innovation activities and technology transfer projects & activities

35 years experience

+ 270 qualified professionals

13 own offices (Europe & South America)

+ 800 proposals submitted to European programmes since 2014

+ 690 M€ or return for our clients

37% success rate in H2020 proposals

+ 600 partners in last 10 years

+ 8000 clients





EXPLORERS

WEBINAR #1

WHAT is the NGI Explorers Program?



NEXT GENERATION INTERNET

What it is?

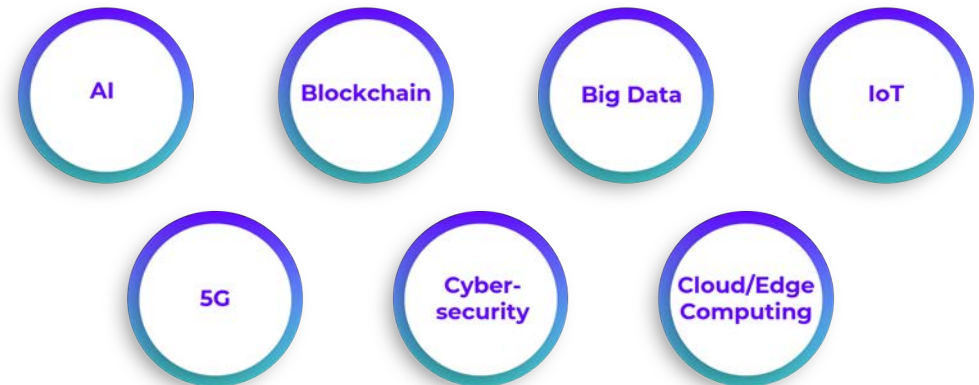
a European Commission initiative that aims to shape the development and evolution of the Internet into an **Internet of Humans**.

€250m between 2018 and 2020

NGI

NEXT GENERATION INTERNET

INTERNET OF HUMANS



A HUMAN-CENTRIC INTERNET

- **TRUSTWORTHY**
 - **RESILIENT**
 - **SUSTAINABLE**
 - **INCLUSIVE**
- Focus is on **advanced technologies** including privacy and trust, search and discovery, decentralised architectures, blockchain, Internet of Things, social media, interactive technologies, as well as technologies supporting accessibility
 - **Social innovations** - new ideas that meet social needs, create social relationships and form new collaborations.



NGI Explorers

The European Fellowship
Program sponsoring **Technology
Expeditions to the United States**

1 Million €

45-50
projects

3 Open
Calls



EXPLORERS



Foster EU-US exchange in NGI



Stimulate & exploit NGI products/ services



Build a cooperative & vibrant ecosystem



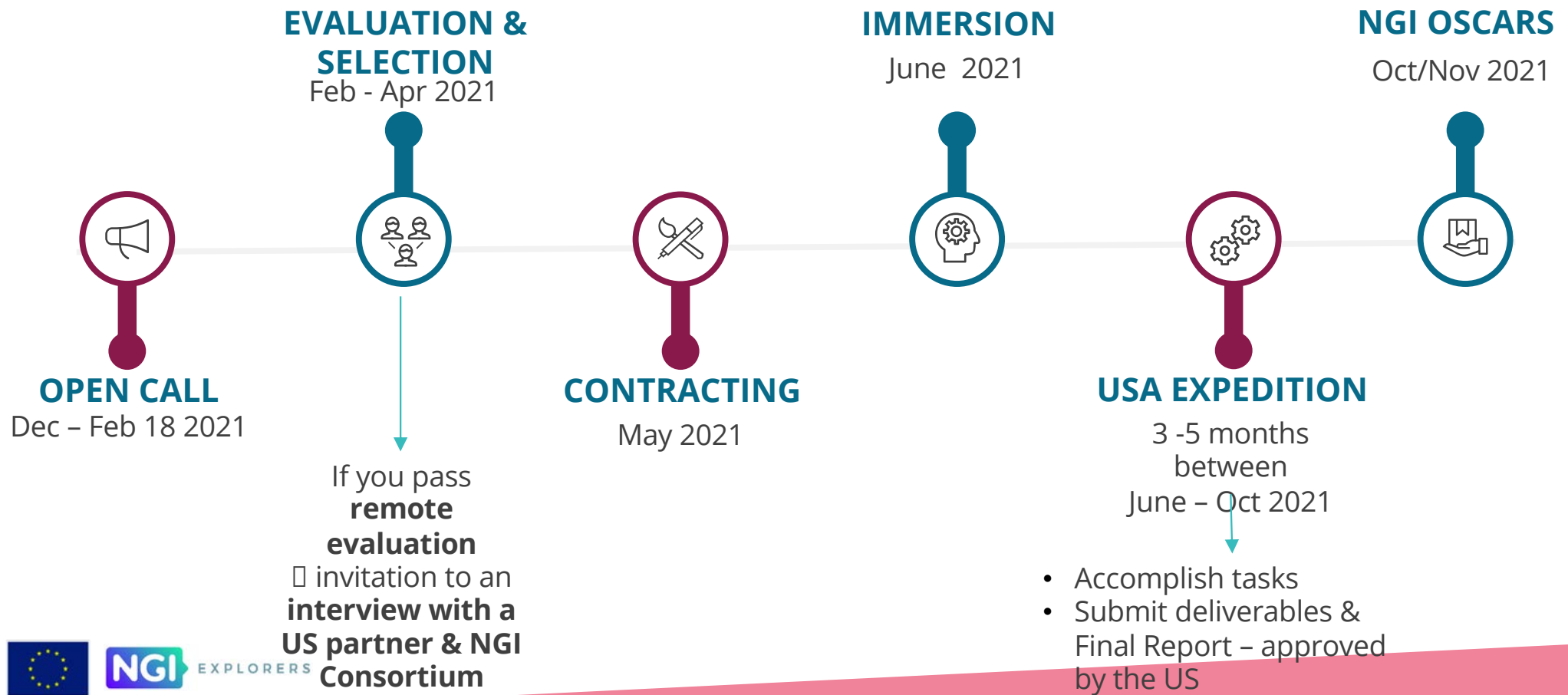
NGI EXPLORERS



TIMELINE & TARGET

WHAT & WHEN

TIMELINE OPEN CALL#3



WHAT WE LOOK FOR?

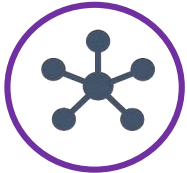
Top Researchers + Innovators



OUR OFFER



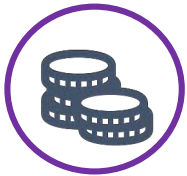
- Access to technology challenges



- Access to US Node network



- Supporting the technology transfer



- Funding your 3-5 month Expedition in the USA





EXPLORERS

WEBINAR #1

EXPLORERS – Open Call 1 & 2



OVERVIEW OF SELECTED EXPLORERS

PARTICIPANTS (28)

RESEARCHERS

INNOVATORS



COUNTRIES (15)

Austria	Ireland	Tunesia
Belgium	Israel	Turkey
Bulgaria	Italy	Spain
France	Poland	Ukraine
Germany	Portugal	United Kingdom

DOMAINS (9)

Health
Smart cities and buildings
Network security & connectivity
Robotics



Infrastructure
Smart transport
e-learning
Tourism
Agriculture

FOCUS AREAS (6)

5G	Blockchain
AI	Cybersecurity
IoT	Cloud/Edge Computing



MEET OUR EXPLORERS

WHO'S NGI? IÑAKI EGUIA EXP COLLABORATION WITH

July 3, 2020

NGI EXPLORERS

Meet the Explorers

The program

Immersion bootcamp

Contact

APPLY NOW

MEET THE EXPLORERS



Khulan Batbayar

RESEARCHER
Universitat Politècnica de Catalunya
SPAIN



Ricardo Carmona

INNOVATOR
MATEREO
PORTUGAL

UNIVERSITAT POLITÈCNICA DE CATALUNYA

THE GEORGE WASHINGTON UNIVERSITY
WASHINGTON, DC

MATEREO
BRIDGE MONITORING WITH PREDICTIVE INTELLIGENCE

FOCUS AREA: Cloud/Edge Computing

PROJECT TITLE
Sense-Share-Select: distributed collaborative internet gateway selection algorithms

ABOUT
Shared internet gateways are important for providing open, free and neutral

FOCUS AREA: AI

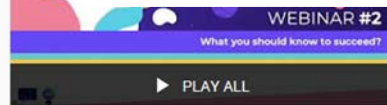
PROJECT TITLE
Bridge Monitoring with Predictive Intelligence

ABOUT
MATEREO - The next generation of bridge monitoring systems

NEXT GENERATION INTERNET
INTERNET OF HUMANS

CRISTINA MARQUEZ ON WHY MOBILE INTERNET IS THE AGENT OF CHANGE

READ THE "WHO'S NGI?" BLOG



NGI Explorers

16 videos • 158 views • Last updated on May 27, 2020

PLAY ALL

Missions to the USA for Top European Researchers & Innovators.

NGI NEXT GENERATION INTERNET

SUBSCRIBE



Cristina Marquez

NGI Explorers

1. NGI Explorers
NEXT GENERATION INTERNET
1:00
2. NGI Explorers First Expedition:
NEXT GENERATION INTERNET
2:16
3. NGI Explorers First Expedition:
NEXT GENERATION INTERNET
1:23
4. NGI Explorers First Expedition:
NEXT GENERATION INTERNET
0:48
5. NGI Explorers First Expedition:
NEXT GENERATION INTERNET



Iñaki Eguia benefitted from an NGI Explorer mission to the US to collaborate on VES: an integrated system that includes digital security and physical security. VES intelligently monitors and predicts events and attacks, as well as reducing recovery time (MttR) from 20 to 30 percent in critical infrastructures.

What's your background?

Cyber-physical systems have become my latest research area in which cyber-security – a discipline I have always worked on – intersects with other fundamental aspects such as functional safety or physical security in a system or product. After more than 15 years dedicated to industrial cybersecurity (OT), I'm now the CTC of a company called RKL Integral and we engineered the convergence of all these security concept elements to develop a unique product called VES.

What's the idea?

The Virtual Ecosystem for Safety and Security (VES) is a platform for the digital transformation of integral safety and security management models. Our expertise covers diverse areas of business and industry –

COND OPEN CALL



NGI Explorers @NGI_Explorers · 1h

Our #NGIExplorer Aurora González-Vidal worked on a project to improve the #smartcities of tomorrow by transferring #KNOWLEDGE seamlessly between buildings.

Very proud to see her amazing results!

@NGI4eu

@NGI_Explorers

#womenintech #innovationecosystem #innovation #eugreendead

NEXT GENERATION INTERNET
INTERNET OF HUMANS

AURORA GONZALEZ-VIDAL
ON KNOWLEDGE
TRANSFER BETWEEN
BUILDINGS FOR
BETTER CITIES OF
TOMORROW



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EXPLORERS

WEBINAR #1

ELIGIBILITY AND MUST-KNOW



WHO CAN APPLY?

AM I ELIGIBLE?



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The Program supports two **candidate profiles**:

Researchers



Holding a Master's degree or higher. Employed in: third level education institutes, research infrastructures, non-profit organizations and charitable (scientific) foundations and public research centres

Innovators



Internet technologists representing hi-tech startups, micro, small and medium-sized enterprises (SMEs), mid-caps working on Internet or and other related technologies

The Program support **individuals** (applicants), not teams



Candidates must be employees of any of the following entities:

- **Universities**
- **Research centres**
- **Mid-caps**
- **SMEs**
- **Startups**

These **entities** must be **established** in any of these **countries**:

- **Member States (MS)**
- **Overseas Countries and Territories (OCT)**

Anguilla, Aruba, Bermuda, Bonaire, British Antarctic Territory, British Indian Ocean Territory, British Virgin Islands, Cayman Islands

- **H2020 Associated Countries**



List of H2020 associated countries





APPLICATION OPTIONS

WHAT'S IN IT FOR ME?



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APPLICATION OPTIONS



OPEN IDEAS

Propose a **disruptive idea** based on your **line of research, product or service**. Identify and select the preferred US Node taking into consideration common priorities

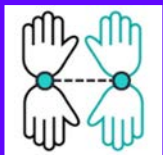
[List of US nodes](#)



CHALLENGE

Apply to one of the **challenges** designed by our **US nodes**

[List of Challenges](#)



PAIRED TEAMS

Submit a proposal with **your US partner**



EVALUATION PROCESS

WHAT HAPPENS AFTER SUBMISSION?

The evaluation process follows a **4-step structure**:



ELIGIBILITY CHECK

First, we will check
if your proposal
meets the call's
criteria for
eligibility



EXPERT REVIEW

Next, your proposal
will undergo a
**detailed
evaluation** from
our pool of
external expert
reviewers



ONLINE INTERVIEWS

**Shortlisted
applicants** will
then be invited to
online interviews



CALL RESULTS

Finally, we will
publish the
resolution for the
call. *Fingers
crossed!*





PAYMENT STRUCTURE

HOW AND WHEN AM I GOING TO BE PAID?



NGI EXPLORERS



The Program will provide funding for **travel** and **subsistence costs*** for your Expedition in the US:



Up to **EUR 15,345**
for **3-month Expeditions**



Up to **EUR 25,575**
for **5-month Expeditions**

* Under certain circumstances related to COVID-19 impact and/or alternative remote mode of the Expedition, the grant eligibility might be altered.



Payment releases will be linked to each step of the Program:

- **20% at the end of Immersion & approved VISA holding**
- **65% at the end of the Expedition**
- **15% at the NGI Explorers Oscars**






REFERENCE DOCUMENTS

THE LIFESAVERS




NGI EXPLORERS

- 
- 👉 Guidelines for applicants
 - 👉 Online submission form
 - 👉 Declaration of honour
 - 👉 Statement of commitment (Paired Teams only)
& Memorandum of Understanding (as reference)

3rd Open Call [Submission Kit](#)

- 👉 Frequently Asked Questions

[FAQ](#) section



**KEEP
CALM
AND
READ
THE
GUIDELINES**



THINGS TO KEEP IN MIND

OTHER IMPORTANT CONSIDERATIONS



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Visa requirements

- Candidates must be valid **EU, OCT or H2020 Associated Countries passport holders***

** NOTE: Exception will apply to non EU passport holders that hold a valid **residence permission** in the EU, OCT or H2020 Associated Countries*

- Explorers are required to obtain a **valid Visa** for their stay in the US. Official recommended visa: **J-1 Visa** (any other type must be consulted with the selected US Node).



It is the Explorer's **responsibility** to ensure that all the **authorizations** required are in order before the Expedition takes place

NGI

Insurance

Explorers are fully responsible to ensure that their **health insurance coverage** meets the regulatory requirements in the US



Willful failure from the Explorer to maintain active insurance coverage is grounds for termination from the Program



[J-1 Visa Exchange Visitor Program support](#)



[Insurance requirements for the J-1 Visa](#)



COVID-19

WHAT IF COVID-19 SITUATION DOES NOT ALLOW ME TRAVELLING TO THE US?



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Expedition: “3 or 5-months fellowship stay for EU Explorer in US Exchange Node”

Alternative Expedition options in the event that the COVID-19 pandemic does not allow traveling to the US under safe conditions by June 2021:

Full remote Expedition in Europe

(Explorers shall still perform a full work dedicated to executing their Expedition work plan)



Up to 50% of the “Full Expedition in the US” monthly rate

Mix between in-person Expedition in the US & remote in Europe



Weekly rate
While in remote in Europe: 50%





EXPLORERS

WEBINAR #1

HOW TO APPLY?



APPLY NOW



WEBSITE

www.explorers.ngi.eu/apply-now

PLATFORM

www.f6s.com/ngiexplorersprogramopencall3/apply



GUIDELINES

Read the documentation



WHAT WE NEED FROM YOU?

APPLY NOW:

<https://www.f6s.com/ngiexplorersprogramopencall3/apply>



EXPLORERS



NGI Explorers Program Open Call#3

APPLY by 18th FEB 16:00CET [Edit](#)

SECTION I PARTICIPATION

- **Type of participation**
(YOU CAN SELECT ONLY 1)

1. **Open Ideas**
2. **Challenges**
3. **Paired team**

If you go for **OPEN IDEA**
Select **3 US Nodes** of your
preference among 35
organisations

- ☐ ASU - Arizona State University
- ☐ BU - Boston University
- ☐ CAT - The Catholic University of America
- ☐ CL - Clemson University
- ☐ CU - Columbia University
- ☐ ECU - East Carolina University
- ☐ ERAU - Embry-Riddle Aeronautical University
- ☐ GMU - George Mason University
- ☐ GSA - Georgia State University
- ☐ GWU - George Washington University
- ☐ ISU - Iowa State University
- ☐ MIN - Colorado school of Mines
- ☐ MSS - Mississippi State University
- ☐ NJIT - New Jersey Institute of Technology
- ☐ NMSU - New Mexico State University
- ☐ SLU - St. Louis University
- ☐ SU - Simmons University
- ☐ UALB - State University of New York at Albany
- ☐ UCF - University of Central Florida
- ☐ UH - University of Houston

If you go for **CHALLENGE**
Select **1 US challenge**
among 35 challenges

- ☐ ASU-BLOCK-01
- ☐ BU-CLOUD-01
- ☐ CAT-LEA-01
- ☐ MIN-DATA-01
- ☐ ECU-PSS-01
- ☐ ECU-ML-02
- ☐ ERAU-IOT-01
- ☐ ERAU-LEARN-02
- ☐ ERAU-DATA-03
- ☐ MSS-AER-01
- ☐ MSS-6G-02
- ☐ SLU-MNG-01
- ☐ SLU-BDW-02
- ☐ SLU-AI-03
- ☐ UI-CFW-01
- ☐ UI-SAT-02
- ☐ UI-MRA-03
- ☐ UH-BMIoT-01

If you go for **PAIRED TEAM**
Provide us with the US data
and submit the **NGI
Explorers_1st Open Call
Statement of Commitment**
signed by a US Organization.

Option 3 – PAIRED TEAMS

Do you already have the interest of a US entity to carry out your Expedition at? Please, fill in the required information below to propose a new collaboration. We need their contact data to get in touch!

6 **FOR OPTION 3 - PAIRED TEAMS ONLY: Please provide the US entity name ***

If this question is not relevant for your participation option, please state: N/A

7 **FOR OPTION 3 - PAIRED TEAMS ONLY: Please provide the US entity website ***

If this question is not relevant for your participation option, please state: N/A

8 **FOR OPTION 3 - PAIRED TEAMS ONLY: Please provide a brief description of the US entity ***

If this question is not relevant for your participation option, please state: N/A

9 **FOR OPTION 3 - PAIRED TEAMS ONLY: Please provide the US entity contact name ***

If this question is not relevant for your participation option, please state: N/A

WHAT WE NEED FROM YOU?

APPLY NOW:

<https://www.f6s.com/ngiexplorersprogramopencall3/apply>



NGI Explorers Program Open Call#3

APPLY by 18th FEB 16:00CET [Edit](#)

Check our website for US Nodes
and list of Challenges:
www.explorers.ngi.eu/apply-now

SECTION I PARTICIPATION

- **Type of participation**
(YOU CAN SELECT ONE)

1. **Open Ideas**
2. **Challenges**
3. **Paired team**



COLUMBIA UNIVERSITY
Department of Electrical Engineering

Columbia University is one of the world's most important centers of research. The University recognizes the importance of its location in New York City and seeks to link its research and teaching to the vast resources of a great metropolis. It seeks to attract a diverse and international faculty and student body, to support research and teaching on global issues, and to create academic relationships with many countries and regions.

Ready for

OPEN IDEAS

X3 CHALLENGES

RESEARCHERS

INNOVATORS

AI SG IoT Cybersecurity Blockchain Big Data Cloud/ Edge

FULL DESCRIPTION



EAST CAROLINA UNIVERSITY
Technology Systems - College of Engineering

East Carolina University (ECU) is a public research university in Greenville, North Carolina. It is the fourth largest university in North Carolina. The vision for ECU directs the institution to achieve leadership in a selected number of strategic directions while delivering excellent undergraduate and graduate degree programs and making significant contributions to the economic vitality of eastern North Carolina and beyond.

Ready for

OPEN IDEAS

2X CHALLENGES

RESEARCHERS

INNOVATORS

AI SG IoT Cybersecurity Blockchain Big Data Cloud/ Edge

FULL DESCRIPTION



EMBRY-RIDDLE AERONAUTICAL UNIVERSITY
Department of Electrical Engineering and Computer Science

Embry-Riddle Aeronautical University is the world's largest and most respected university specializing in aviation and aerospace, with over 130,000 graduates around the globe.

Ready for

OPEN IDEAS

X3 CHALLENGES

RESEARCHERS

INNOVATORS

AI SG IoT Cybersecurity Blockchain Big Data Cloud/ Edge

FULL DESCRIPTION



WHAT WE NEED FROM YOU?

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NGI Explorers Program Open Call#3

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SECTION I PARTICIPATION

- **Type of participation**
(YOU CAN SELECT ONE)

1. Open Ideas
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LIST OF CHALLENGES

CHALLENGE #1 ASU-BLOCK-01

ARIZONA STATE UNIVERSITY

[VIEW CHALLENGE](#)

Blockchain and Smart Contracts for Self-Adaptive Cyber Risk Management via Machine to Machine Economy

CHALLENGE #2 BU-CLOUD-01

BOSTON UNIVERSITY

[VIEW CHALLENGE](#)

HEECMA: A Hybrid Elastic Edge-Cloud Application Management Architecture

CHALLENGE #3 CAT-LEA-01

THE CATHOLIC UNIVERSITY OF AMERICA

[VIEW CHALLENGE](#)

Distributed Deep Learning with Edge Computing

CHALLENGE #4 MIN-DATA-01

COLORADO SCHOOL OF MINES

[VIEW CHALLENGE](#)

Traffic Incident Fact-Finding from Crowdsourced Data

CHALLENGE #5 ECU-PSS-01

EAST CAROLINA UNIVERSITY

[VIEW CHALLENGE](#)

Plug and play science sensors

CHALLENGE #6 ECU-ML-02

EAST CAROLINA UNIVERSITY

[VIEW CHALLENGE](#)

Fault Domain Isolation using ML

CHALLENGE #7 ERAU-IOT-01

EMBRY-RIDDLE AERONAUTICAL UNIVERSITY

[VIEW CHALLENGE](#)

Internet of dependable and controllable things

CHALLENGE #8 ERAU-LEARN-02

EMBRY-RIDDLE AERONAUTICAL UNIVERSITY

[VIEW CHALLENGE](#)

Data-Efficient Machine Learning



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WHAT WE NEED FROM YOU?

APPLY NOW:

<https://www.f6s.com/ngiexplorersprogramopencall3/apply>



EXPLORERS



NGI Explorers Program Open Call#3

APPLY by 18th FEB 16:00CET [Edit](#)

SECTION 1 PARTICIPATION

- **Type of participation**
(YOU CAN SELECT ONLY 1)

1. Open Ideas
2. Challenges
3. Paired team

SECTION 2 BACKGROUND

- **Know-how**
- **Profile:** Researcher or Innovator
- **Experience**
- Upload your CV - 3 pages max!

SECTION 3 PROPOSAL

- **Focus Area**
- **Time:** 3 or 5 months
- **Excellence:** key innovations, KPIs, Workplan (tasks & deliverables)
- Technical design – 1 page max!
- **Impact**

SECTION 4 PROFILE

- **Administrative data**





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WEBINAR #1

US NODES



USA PARTNERS

ASU Arizona State University

BINGHAMTON UNIVERSITY
STATE UNIVERSITY OF NEW YORK

BOSTON UNIVERSITY

THE CATHOLIC UNIVERSITY OF AMERICA

CLEMSON UNIVERSITY

MINES
COLORADO SCHOOL OF MINES

COLUMBIA UNIVERSITY
IN THE CITY OF NEW YORK

ECU

EMBRY-RIDDLE
Aeronautical University

GEORGE MASON UNIVERSITY

Georgia State University

THE GEORGE WASHINGTON UNIVERSITY
WASHINGTON, DC

IOWA STATE UNIVERSITY

MISSISSIPPI STATE UNIVERSITY

NJIT
New Jersey Institute of Technology

NM STATE

PennState

SAINT LOUIS UNIVERSITY

Santa Clara University

Simmons UNIVERSITY

UNIVERSITY AT ALBANY
State University of New York

UCF

University of Colorado Boulder

UCSS University of Colorado Colorado Springs

UNIVERSITY OF HOUSTON

IOWA

UMass | Dartmouth

THE UNIVERSITY OF NORTH CAROLINA at CHAPEL HILL

UNIVERSITY OF OREGON

UNIVERSITY OF ROCHESTER

South Carolina

UNIVERSITY OF SOUTH FLORIDA TAMPA BAY

VT VIRGINIA TECH

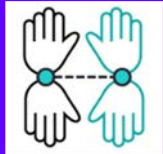
Washington University in St. Louis

WESTERN MICHIGAN UNIVERSITY

Your PARTNER

US NODES

REMEMBER



With the option **Paired Teams** you can always propose to work with **your own partner in the US**



Their motivation

US Nodes do NOT obtain funding... so **WHY** they join?

- They believe in the **opportunity** to work with European talent
- They become **frontrunners** in the US (NSF Opportunities)
- **Access** to the European market + technology

What they provide

Catalyzers of the Transfer of Knowledge

- Support to obtain the VISA
- The physical space where the explorers will live their experience
- Integration with daily activities in their teams
- First-hand mentorship and guidance for a better adaptation



EXPLORERS

WEBINAR #1

Q & A





Find more info
explorers.ngi.eu



Contact us
explorers@ngi.eu



Follow us
[@NGI_Explorers](https://twitter.com/NGI_Explorers)

**Exceed your limits
Become the best**

FUNDED
BY **NGI**



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No. 825183.



zabala
INNOVATION