

NGIatlantic.eu 5th Open call WEBINAR

2nd March 2022, 16:30 CET

Slides presented by:

Jim Clarke, Waterford Institute of Technology, NGIatlantic.eu (jclarke@tssq.org)

Cristina Mancarella, research analyst, Trust-IT, NGIatlantic.eu (c.mancarella@trust-itservices.com)

Ruben Tognetti, Digital Strategist, Trust-IT, NGIatlantic.eu (r.tognetti@trust-itservices.com)

Agenda

16:30 - 16:35	Welcome and introduction from <i>Cristina Mancarella, Trust-IT Services</i>
16:35 - 16:40	Brief presentation of the project - <i>Ruben Tognetti, Trust-IT Services</i>
16:40 - 16:50	Inside the 5th Open Call: Background and priority topics - <i>Jim Clarke, Waterford Institute of Technology, NGIatlantic.eu project coordinator</i>
16:50 - 17:10	NSF DCL for US funding - <i>Deepankar Medhi and Gurdip Singh, US National Science Foundation (NSF)</i>
17:10 - 17:30	Through the most common FAQ + your Q&As - <i>Jim Clarke, Waterford Institute of Technology, NGIatlantic.eu project coordinator</i>
17:30 - 18:00	Presentations from projects by EU and US Project Coordinators
18:00	End of webinar

Today's speakers:



J. Clarke
WIT



R. Tognetti
Trust-IT



C. Mancarella
Trust-IT



D. Medhi
US NSF



G. Singh
US NSF



C. Vallati
UNIPi



R. Bohara
asvin.io



M. Ruiz
Ramirez, UPC



S. Sharma
TU Dublin



M. Sabadello
Danubetech



G. Annan
Digital Bazaar
US



A. Kadlubsky
Open AR Cloud



F. Freitag
UPC



L. Wei
TTU

Project Presentations

17:30 - 18:00	Presentations from projects by EU and US Project Coordinators
#1	EdgeFlooding: Exploiting Edge computing for Real-Time Monitoring and Detection of Flash Floods - <i>Carlo Vallati (University of Pisa)</i>
#2	Physical Unclonable Functions for Identification of Large Scale distributed IoT Assets - <i>Rohit Bohara (asvin.io)</i>
#3	Experimental Assessment of Fast Quantum Key Distribution - <i>Marc Ruiz Ramirez (UPC)</i>
#4	ATLANTIC-eVISION - <i>Sachin Sharma (TUDublin)</i>
#5	Transatlantic SSI Interop - <i>Marcus Sabadello (Danubetech) and Ganesh Annan (Digital Bazaar US)</i>
#6	Deployment and Evaluation of a 5G Open Spatial Computing Platform in a Dense Urban Environment - <i>Alina Kadlubsky (Open AR Cloud)</i>
#7	Adaptive decentralized federated learning in wireless mesh network (FLESHNET) - <i>Felix Freitag (Universitat Politècnica de Catalunya) and Lu Wei (University of Michigan US)</i>



C. Vallati

EdgeFlooding: Exploiting Edge computing for Real-Time Monitoring and Detection of Flash Floods - University of Pisa



R. Bohara

Physical Unclonable Functions for Identification of Large Scale distributed IoT Assets - asvin.io



M. R.
Ramirez

Experimental Assessment of Fast Quantum Key Distribution - UPC



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ATLANTIC-eVISION: Cross-Atlantic Experimental Validation of Intelligent SDN-controlled IoT Networks - TUDublin



Markus
Sabadello

Transatlantic SSI Interop - Danubetech



Alina
Kadlubsky

Deployment and Evaluation of a 5G Open Spatial Computing Platform in a Dense Urban Environment - Open AR Cloud



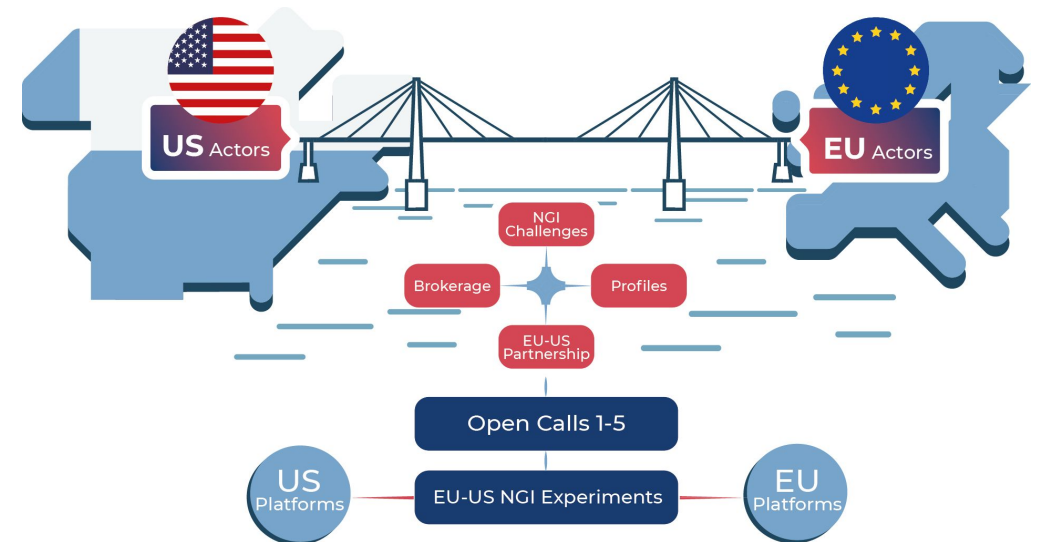
Felix
Freitag

Adaptive decentralized federated learning in wireless mesh network (FLESHNET) - Universitat Politècnica de Catalunya

NGIatlantic.eu: bridging EU-US research on NGI

From January 2020 through end December 2022, NGIatlantic.eu will fund EU-based researchers and innovators to carry out **Next Generation Internet** related experiments in collaboration with **US research teams**.

- ❑ 5 Open Calls for Proposals, with a total € 2.8 Million Euros budget for EU participants;
- ❑ Projects funding range from € 25.000 to € 50.000, from 3 (minimum) months to 6 months (maximum);
- ❑ An External Pool of Evaluators (EPE) of 50+ members to support the review process - continuous open call;
- ❑ 4/5 open calls completed – 5th call open until 31/03/22



Statistics in a nutshell

Core objective: Attract and enable start-ups and innovators from EU and US to collaborate together on experimental platforms through Open call cascade funded projects related to the NGI topics.

- OC1: 21 EU – US teams applied with € 2,876,485 requested; 6 projects approved with budget of € 748,976. (**Ratio – 1 : 3,5**)
- OC2: 23 EU – US teams applied with € 2,877,190 requested; 5 projects approved with budget of € 634,483. (**Ratio – 1 : 4,6**)
- OC3: 33 EU – US teams applied with € 3,319,308 requested; 9 projects approved with budget of € 662,199. (**Ratio – 1 : 3,6**)
- OC4: 20 EU – US teams applied with € 1,370,050 requested; 8 projects approved with budget of € 559,249. (**Ratio – 1 : 2,5**)
- Note: from OC 3 onwards, the NSF have a Dear Colleague Letter (DCL) Supp. Fund for funding US participation).

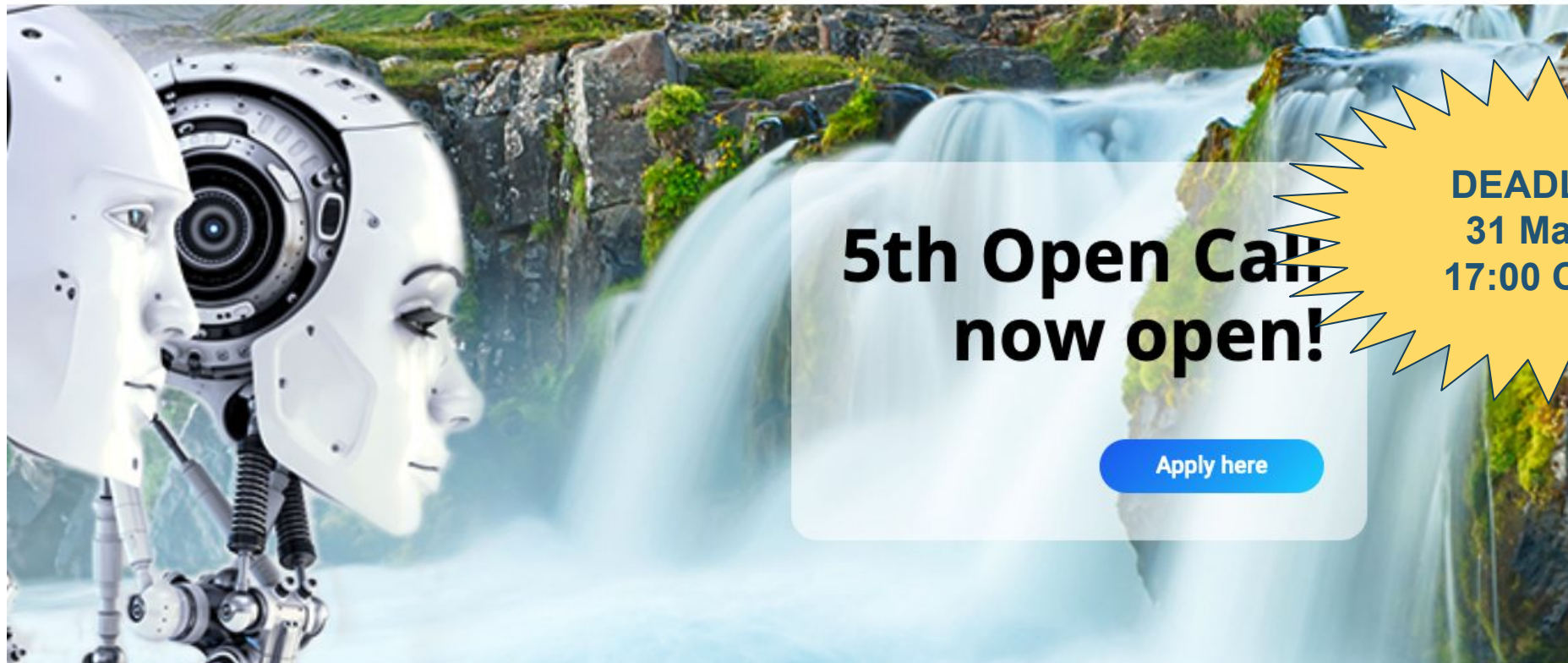
Application statistics OC1 + OC2 + OC3 + OC4

Total number of applications received	97
Total budget requested	€10,625,894.58
Total number of third parties - EU	126
Total number of third parties - USA	109

Award statistics OC1 + OC2 + OC3 + OC4

Total number of projects awarded	28
Total budget allocated	€2,454,919.50
Total number of TPs - EU	34
total number of TPs - US	35
Total number of TPs - EU + US	69

OUR WEBSITE: NGIatlantic.eu



The Dashboard


The screenshot displays the NGI Atlantic.eu dashboard. On the left is a dark sidebar with navigation links: 'HOME' and 'MY APPLICATIONS'. Below these is the 'TRUST-GRANTS' logo. The main header area features the 'NGI ATLANTIC.EU' logo on the left, a 'Welcome test' message with a user profile icon on the right, and a large central announcement box. This box is titled 'NGIatlantic.eu 5th Open Call' and includes an image of a robot head. The text states: 'The fifth NGIatlantic.eu Open Call is open from 1st February 2022 until 31th March 2022, 17:00 CET.' Below this, a red 'NEW' tag indicates the period 'From 01/02/2022 09:00 to 31/03/2022 17:00', followed by a blue 'APPLY NOW' button. At the bottom left of the dashboard is a chat window titled 'NGI Atlantic' with a user icon and the text 'Chat with NGI Atlantic team'.

The Form

NGI

ATLANTIC.EU

Welcome Ruben




Title (max 100 characters) *

Type of Grant *

Desired starting date of the proposal *

dd-MM-yyyy



Estimated end date *

dd-MM-yyyy

Project coordinator full name *

Contact phone number *

Gender *











How did you find out about this open call? *


4.2. Please

Paragraph

Save DRAFT

4.2. Please provide indications of the costs sustained and funding schemes that will be utilised by the US-based team. *

Paragraph ▼ $\frac{A}{B}$ $\frac{A}{B}$ ▼ **B** *I*  $\frac{1}{2}$ $\frac{1}{2}$    ▼  ▼     

[Save DRAFT](#)  [Submit your application](#)

The Form

The image displays the NGI Atlantic EU application portal. The top header features the NGI Atlantic EU logo and a user greeting 'Welcome Ruben' next to a profile icon. The main content area is divided into two parts. On the left, a registration form includes fields for 'Title (max 100 characters)', 'Type of Grant', 'Desired starting date of the proposal' (with a calendar icon), 'Estimated end date' (with a calendar icon), 'Project coordinator full name', 'Contact phone number', 'Gender', and 'How did you find out about this open call?'. On the right, a detailed view of section '4.2. Please provide indications of the costs sustained and funding schemes that will be utilised by the US-based team.' is shown. This section includes a rich text editor with a toolbar containing options for Paragraph, Bold, Italic, Link, Unlink, Bulleted List, Numbered List, Image, Quote, Table, Video, and various alignment and indent options. Below the editor are two buttons: 'Save DRAFT' (blue) and 'Submit your application' (yellow), with a green arrow pointing from the draft button to the submit button.

Word Limits







1. Concept, objectives and approach

1.1. Describe the concept behind the proposed EU-US NGI experiment (Maximum length: 600 words) *

Paragraph ▾ A[≡] ▾ A^I ▾ **B** *I* @ :: ½  “  ▾  ▾    ↶ ↷

The given limits are a suggestion, but try to stay as close as possible to that number.

2.2. Describe the impact of such activity on EU-US collaboration specifically (Maximum length: 300 words) *

Paragraph ▾ A[≡] ▾ A^I ▾ **B** *I* @ :: ½  “  ▾  ▾    ↶ ↷

Some recommendations



IMPORTANT: PLEASE READ!

Some cases have been recently reported of data loss while filling up the application form - although it is not confirmed that this issue depends on the platform, we suggest you to follow these instructions that will help you avoiding potential data loss at the moment of submission:

- While working on your application, please save your draft frequently
- If you copy and paste your text from other text editors (e.g Word), please make sure to clean any formatting element, including pasting as plain text
- Compress your images before using them in the application

MOST IMPORTANT:

Please upload your images only after saving the draft text

The Twinning Lab



Need help in finding partners?

A space for researchers, innovators and start-ups from EU and US to **discover and connect with transatlantic actors and establish complementary partnerships.**

JOIN THE TWINNING LAB NOW

ngiatlantic.eu/twinning-lab

NEW
INTERFACE
COMING SOON

JOIN THE TWINNING LAB!

- ✓ Showcase your expertise in addressing NGI challenges
- ✓ Find the ideal partner for your EU-US NGI experiment

Twitter & Newsletter



NEWSLETTER

Subscribe to the NGIatlantic.eu newsletter & stay up-to-date on our Open Calls

Name *

Surname *

Email Address *

Organisation *

Country *

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SUBSCRIBE

NGIatlantic.eu 5th Open Call background and priority topics

Jim Clarke, Waterford Institute of Technology, NGIatlantic.eu project coordinator

NGIatlantic.eu fifth open call for proposals

Call information

- Open from 01 February – 31 March 2022
- Information available at <https://ngiatlantic.eu/ngiatlanticeu-5th-open-call>
- NSF DCL available (more on this later)
<https://www.nsf.gov/pubs/2021/nsf21048/nsf21048.jsp>
- OC4 / OC5 workshop at <https://www.youtube.com/watch?v=m11sVzt6MeQ>

This NGIAtlantic.eu open call targets the following types of proposal submissions:

- Category a: EU-US experimental platforms interconnection
- Category b: Experiments with key enabling technologies in 5 NGI topics (1, 2, 3, 4, 5)

The call foresees one type of proposal:

- Short term (ST): estimated 3 - 6 months duration; Funding €25,000 - €50,000 resulting in 5-7 projects being funded.

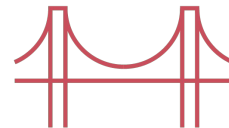
NGI topics for experimentation of results:

1. Strengthening internet trustworthiness with electronic identities
2. Open Internet architecture renovation
3. Greening the Internet: a Sustainable and Climate-friendly NGI
4. Internet data sharing and interoperable services
5. Blockchain and Distributed Ledger Technologies for NGI.



Category a. EU – US Experimental Platforms interconnection

- **This topic is for the twinning of EU and US established designers and facility providers of experimental infrastructures, testbeds, and platforms**
- **Enabling experimentation in the NGI areas on both sides of the Atlantic to interconnect with each other, to offer their facilities on a continuous basis to its community of experimenters and application developers in any NGI related topics**
- **It would be expected that the facilities could be used for experimentation of NGI projects (present and future).**



Category b.1. Strengthening trustworthiness and resilience of the internet

- **This topic will focus on experimentation of results on the NGI call topics related to increasing trustworthiness and resilience of the internet. These may include trustworthiness issues such as:**
 - **identity (e.g., self-sovereign-identity), authentication and authorization; traceability; privacy and confidentiality related to personal and non-personal interactions or flow of sensitive information over geographic boundaries, including cryptographic solutions; transparency and accountability (e.g., certificate transparency); and federated, collaborative and/or decentralized technologies for supporting internet-wide e-identities with various levels of identification, reputation and trust, to serve as a basis for new business models for verifying and valuating personal and other sensitive data.**
- **Resilience issues may include approaches for monitoring, detection and mitigation to counter large-scale disruptions/failures or ongoing/impending cyber-attack/intrusions, and support for crisis situations; these may include techniques for resource redundancy and dynamic reconfiguration; network isolation and virtualization techniques; situational awareness, survivability and self-healing approaches.**

Category b.2. Open Internet architecture renovation

- **This topic this topic will focus on experiments supporting communities of developers in ensuring Internet architecture evolution towards better efficiency, scalability, security and resilience.**
- **Auditing, testing and improving protocols and open-source software and hardware that are used to manage the Internet, with renewed design goals such as isolation of contingencies, redundancy and self-repair, disruption tolerance, transparency, better real-time behaviour and energy efficiency.**
- **Ability to roll-out at Internet scale should be assessed as part of the proposed solutions.**

Category b.3. Greening the Internet: a Sustainable and Climate-friendly NGI

Report: INTERNET OF WASTE

- 5-9% of global electricity supply
- 2% of global climate emissions
- Effects from mining and waste
- Rising quickly with more pervasive connectivity (such as IoT)

NGI FORWARD



September 2020

As background, the NGI Forward project has identified a Sustainable and Climate-friendly Internet as one of eight key NGI topics that will set out a vision for a better, more human-centric future internet and inform the initiative's policy and technology research agenda going forward. For information, please look at [Internet of Waste](#) and [Breaking the 2 year cycle](#).

- This topic will focus on EU – US experiments of results related to use case implementations of innovative internet technologies and transparency mechanisms on EU – US experimental platforms shown to:
 - fight against the climate change with significant improvement of energy efficiency,
 - carry out measurements to create awareness of environmental impact of the Internet, and
 - promotion of technologies that help reduce the energy consumption and carbon emission.
- This topic welcomes EU – US applicants that can provide and experiment with transparency mechanisms and sustainability metrics on the environmental cost of the Internet.

Category b.4. Internet data sharing and interoperable services

- **This topic will address the challenge of sharing network data siloed in different internet regions across geographic boundaries and enabling trusted Internet services by composition and orchestration of globally distributed services. It will address:**
 - **Secure and privacy-preserving data sharing, which is particularly important to address the rising cyber threats and incidents.**
 - **Sharing of Internet data to support continuous monitoring and data-driven analysis is critical to identify impending/ongoing attacks, support traceback and attributions, and intelligently respond to Internet events.**
 - **Experiments related to such cross-domain data sharing challenges to enable cyber threat identification, risk assessment and incident management, and enabling secure and interoperable internet services are of particular interest.**
- **Note: in contrast with service and data portability topic, this relates to the role of data sharing for the purposes of cybersecurity, rather than for services / applications.**

Category b.5. Blockchain and Distributed Ledger Technologies (DLT) for NGI

- **This topic will create opportunities to enhance services and processes in both the public and private sectors, notably providing better control of data by citizens and organisations, reducing fraud, improving recordkeeping, access, transparency and auditability, within and across borders at multiple levels: technology, infrastructure and application levels.**
- **A number of key areas in blockchain and DLT, where results could be brought into NGLatlantic.eu open call 5 is for EU - US teams to carry out experiments on EU – US platforms in areas involving (but not limited to):**
 - **A new software ecosystem for trusted, traceable and transparent ontological knowledge management.**
 - **Reinforcing the European blockchain ecosystem to develop a more human internet.**
 - **Innovative results to fight misinformation on social media with an emphasis on using blockchain and DLTs.**

US partner funding opportunities

Deepankar Medhi, National Science Foundation, USA

How are US partners funded? A new dedicated fund for NGIatlantic.eu for those with an existing NSF grant (1/4)

- A dedicated NSF program was launched in February 2021 as a *Dear Colleague Letter (DCL)* for existing grant holders
 - NSF US-EU DCL 21-048 – a new dedicated supplemental fund for existing US NSF grantees to team up with NGIatlantic.eu partners, if they are in successful NGIatlantic.eu applications.
 - Open to **active NSF-funded researchers** within NSF's **Computer and Network Systems Core** and **Secure and Trustworthy Cyberspace** programs;
 - Funding available for NSF grantee of up to \$100,000 or 20% of original grant budget for max duration of one year (**n.b.** the duration must fall within the period of their existing NSF grant period);
 - Proposers still have to explain how their US partners will fund their activities (independently from the DCL) and the proposals will be evaluated and selected based only on this information. US partners have to commit to their work even if they finally do not receive their funding through the DLC;
 - All supplemental funding requests subject to NSF's merit review process (more details on next slide);

How are US partners funded? A new dedicated fund for NGLatlantic.eu for those with an existing NSF grant (2/4)

□ A new DCL (continued)

- **IMPORTANT: No difference will be done in the evaluation process between proposals with NSF funded partners and the others. All proposals will have equal opportunities and will be selected based exclusively on their merits;**
- The deadline for submission of supplemental funding requests for consideration is **within a week of any NGLatlantic.eu open call deadline**. For OC5, it must be submitted to NSF by **7th April, 2022! Supplement fund request to include:**
 - Summary of the active research award, including original research vision, goals, activities, and accomplishments, spanning Intellectual Merit and Broader Impacts, and how this award is related to the proposed work for the NGLatlantic.eu open call (about a page);
 - The project description that was submitted to the NGLatlantic.eu open call;
 - Bio-sketch of the EU lead partner (one page); and
 - Justification of the need for the supplemental funds request.
- See **<https://www.nsf.gov/pubs/2021/nsf21048/nsf21048.jsp> for further information and NSF contact points.**

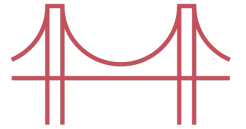
If DCL doesn't match requirements, some other possibilities (3/4)

- US partners can use own NSF project funds, if they have (or desire) an international EU connection;
- Some examples of NSF programs underway with large scale platform projects in the following areas:
 - NSF Cloud: CHAMELEON <https://www.chameleoncloud.org/> and CloudLab <http://www.cloudlab.us>
 - NSF Network Inf.: FABRIC - <https://fabric-testbed.net/events/fabric-experimenters-workshop-2021> - 8-9 April, 2021, Dec 2021, <https://fabric-testbed.net/events>: for upcoming events
 - NSR PAWR: COSMOS - <https://COSMOS-lab.org/>, POWDER-RENEW <https://POWDERWireless.net/>, AERPAW <https://AERPAW.org/>, and ARA <https://arawireless.org/>
 - NSF Platforms for Advanced Wireless Research (PAWR) supplemental fund available to US based academics, and what they call 'active NSF-funded wireless researchers' for receiving connection and support to the 4 PAWR platforms, up to 50k US dollars, COSMOS (<https://COSMOS-lab.org/>), POWDER-RENEW (<https://POWDERWireless.net/>), AERPAW (<https://AERPAW.org/>), and ARA (<https://arawireless.org/>). Note: while not specifically designated for international connections, there could be some scope to utilise this fund for teaming with an EU partner. See <https://www.nsf.gov/pubs/2020/nsf20046/nsf20046.jsp>

If DCL doesn't match requirements, some other possibilities (4/4)

- **Some examples of NSF programs underway with large scale platform projects (continued):**

- **International Research and education Network Connections (IRNC)**
– <https://www.nsf.gov/pubs/2020/nsf20535/nsf20535.htm> and results at https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=503382&org=NSF;



- A number of these IRNC projects have objectives related to collaboration with international, including EU partners. Some of these have been listed in NGIatlantic.eu's **Twinning Lab**.

Applicants contributions, Open Floor for Questions & Answers

FAQ & Lessons learned from previous Open Calls

Jim Clarke, Waterford Institute of Technology, NGIatlantic.eu (jclarke@tssg.org)

What we are doing differently based on lessons learned from previous calls

- Topics and Project funding
 - Multi-stream approach to attract EU – US experimental platforms to interconnect for future projects;
 - Additional topics brainstormed and selected with US NSF involvement based on their NGI related programs;
 - Dedicated opportunity for NSF funding for NGIatlantic.eu US partners (if involved already in NSF programs), **but please note the calls are open to all US-based partners, even those without DCL funding**. Just please explain their funding sources in the application;
 - Due to alignment of funding between EU and US, there is a focus on min 3 months - max 6 months duration projects with a maximum budget of **50,000 euros**;
 - Greater emphasis on funding more innovators in larger numbers of EU - US projects.

What we are doing differently based on lessons learned from previous calls

- New Platform requirements
 - **Description of Honour (DoH) required to be submitted with the application signed only by EU COO; however, US Team's PI must include a signed Letter of Support within the DoH.**
 - Details on past and / or present NGI applications and EU H2020 applications;
 - For winning project, GA is **non-negotiable** – please review this before submission and make sure you are OK with it, as there will be strictly no negotiations at a later stage; In the first two OCs, we have taken on board all the requested updates for all types of organisations and the GA is now fixed since OC3. **All relevant documents** can be found in **Supporting documents** link at the bottom of <https://ngiatlantic.eu/ngiatlanticeu-5th-open-call>.
 - Additional fields added to include resources for **multi-EU team applications**;
 - Clearer format of **downloadable PDF version of submitted applications**, which can easily be converted to a Word document (e.g. with Adobe Acrobat), if needed.

Frequently Asked Questions

Q. What are the types of travel envisaged?

- A. In normal times, for ST type projects (3 -6 month duration) offered in this call, we recommend at least 2 travels.

- A. As we are moving out of the COVID-19 crisis and a block on travel from EU Member States to the USA is no longer in effect, the applicants can consider travel options with your US partner and reflect accordingly in your application. It is our understanding from US participants that having the EU partner involved in experiment set up is recommended. However, please continue to watch the space in relation to any remaining travel restrictions and requirements e.g. vaccination and / or testing requirements.

Frequently Asked Questions

Q. Who makes the application and who receives the funding?

- A. The application will be made by the lead EU team partner, and funding will be limited to coverage of the work to be carried out by the EU partner, as per the EU – US agreement.
- B. If you require more than one team partner, this is possible but please justify this in your application. The lead EU partner will receive the funding from the NGIatlantic.eu project, and will be responsible for making the payments to the other EU team partner, and have a Consortium agreement with their partner.



C. Vallati

EdgeFlooding: Exploiting Edge computing for Real-Time Monitoring and Detection of Flash Floods - University of Pisa



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Physical Unclonable Functions for Identification of Large Scale distributed IoT Assets - asvin.io



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Adaptive decentralized federated learning in wireless mesh network (FLESHNET) - Universitat Politècnica de Catalunya

NGI

Questions from applicants (1/2)

1. Is there any obligation for an academic partner to exist in the EU-based team? **No.** Would two industrial partners (1 EU and 1 US) be acceptable? **Yes.**
2. How the "novelty of experiments" in relation to the SoTA is considered/assessed? **Please note that it is also the novelty and innovation potential of the NGI-related results that are being experimented with and the novelty of having it experimented with transatlantic partners, and their impacts.**
3. This part was a strong requirement in the NGI Atlantic call, is in current open call still/remains relevant? **If you are referring to Q2, yes, it is.**
4. How previous collaboration are assessed/taken into consideration? **Showing previous collaboration on these “new” NGI related experiments is considered a positive.**

Questions from applicants (2/2)

5. How evaluators are aware of other NGI initiatives results (i.e. NGI Explorers) - success stories.
We recommend that you help make them aware in your application. Don't expect them to do the legwork of searching for your successes. Provide direct links and explanations, etc.
6. Are the following documents are required when submitting the proposal:
- Declaration of Honor (DoH) signed by the EU coordinator **(Yes, by legal signatory of COO)**
 - Letter of Support signed by each US partner **(Yes, by Principal investigator of US org(s) only)**
 - Proposal in PDF format **(This is made available to you in the platform. In fact, this can be used if your US partner is also applying to the NSF DCL.)**

What we are doing differently based on lessons learned from previous calls

- Pre-application support continued
 - Coaching calls found to be useful for participants will be continued.
- Some lessons learned from review process
 - Provide a precise, coherent and realistic budget breakdown;
 - Funding is for effort, travel and a fixed 25% OH – do not include any other inadmissible costs;
 - Precise information about the US experimental platforms needed e.g. direct and relevant links for the benefit of the evaluators; if they are linked to current NSF grants, please highlight this with details, as this could be used to obtain supplemental funds from the NSF;
 - Applicants background in NGI related fields and previous work in NGI-related topics should be explained, **include short CVs of participants in EU and US;**

What we are doing differently based on lessons learned from previous calls

- Some lessons learned from review process (continued)
 - Clear and quantified KPIs needed especially of the experiments you will be carrying out;
 - The impacts of the experiments needs to be elaborated, taking into consideration the impacts expected from ICT-31-2020
 - **Impact 1:** Enhanced EU – US cooperation in Next Generation Internet, including policy cooperation.
 - **Impact 2:** Reinforced collaboration and increased synergies between the **EU's Next Generation Internet initiative** and the **USA's Internet related programmes**.
 - **Impact 3:** Developing interoperable solutions and joint demonstrators, contributions to standards.
 - **Impact 4:** An EU - US ecosystem of top researchers, hi-tech start-ups / SMEs and Internet-related communities collaborating on the evolution of the Internet
 - Follow FAQs and guidelines and remember to observe the 4 criteria scoring scheme carefully, this is what the evaluators will use.

Frequently Asked Questions

Q. What is the situation regarding the ownership of the foreground Intellectual Property rights resulting from the experiments that will be conducted in the open call projects?

- A. Generated IPRs will remain at organization level, in this case 3rd party project members accepted in the open call. This will be clarified in the 3rd party contracts.
- B. Since there is at least 2 partners in an EU – US “Twin Team”, one from EU and one from US, you will have to have a consortium agreement between yourselves on this matter.
- C. We can help you with this aspect as part of our mentoring and coaching programme and our winning projects will also be receiving direct assistance from our sister project, NGI TETRA, who are involved with the Technology Transfer and Harvesting of results of the NGI Open Call projects.

Frequently Asked Questions

Q. Who can apply to the Open calls as an EU – US “Twin Team” and what is the Team size envisaged?

- A. An EU – US “Twin Team” must consist of at least one private or public organisation (not individual researchers), located within the EU Member States (plus UK) or Associated Countries, twinned with a US counterpart for execution of the work programme proposed.
- B. Please note that the NGI initiative typically funds smaller “teams”; in our case, this would be typically 1 partner from EU and 1 partner from US up to a max. of 2 with justification, and not consortia.

Frequently Asked Questions

Q. Can the EU – US “Twin Team” be affiliated to each other?

- A. No, if there is only 1 EU member and 1 US member and they are affiliated to each other administratively, in any way, we don't feel that this would be in the spirit of cooperation envisaged in our EU – US Open calls.

Frequently Asked Questions

Q. If my EU – US proposal idea doesn't precisely match the proposal call text but it encompasses most of it and is still well related to NGI and the key enabling technologies of NGI, can I submit to the open call?

A. We are advising proposers that if their proposal has many of the elements of the call text, but even doesn't precisely match, as long as it is with a US based partner and accentuating the Internet of Humans concepts, pillars, and challenges being addressed by NGI, you should still consider to submit. You can also make direct contact with us at contact@ngiatlantic.eu and we can advise you on whether it fits the call, or whether there might be a better fit elsewhere in the NGI initiative.

Frequently Asked Questions

Q. Where can the U.S. part of the Team receive funding?

A. The funding would be the responsibility of the U.S. team member(s) and they would be aware of the typical funding source(s) that they could tap into. This is dependent on the team member type of their organisation. Some thoughts on what we have been encountering, so far:

1. In some cases, the U.S. team members have existing funds already for EU collaborations as part of their ongoing work;
2. A number of organisations interested in teaming up with EU partners have signed up in the Twinning Lab at <https://www.ngiatlantic.eu/twinning-lab>;
3. See the information in the previous slides on all the other NSF calls, including the new dedicated *Dear Colleague Letter* **for existing NSF grant holders** specifically for NGIatlantic.eu US – EU twinning;
4. If requested, as part of our coaching activities, we are willing to help US partners make a pitch to their current or future funding source(s) by explaining our project and goals, if that would help, but they would need to identify their funding sources as they are better placed to do so.

Frequently Asked Questions

Q. What cost types are eligible for funding?

- A. Direct costs: Personnel and Travel costs;
- B. Indirect costs: Flat rate overhead on direct costs not to exceed 25%.

Q. Can I include equipment costs?

No. The only admissible costs are personnel and travel and subsistence, and flat rate overhead on direct costs not to exceed 25%.

Q. Can I include project management costs?

Yes, please include under personnel costs, but this must be commensurate with the project size and follow the usual H2020 guidelines of no greater than 5-7% of overall personnel costs budget.

Frequently Asked Questions

Q. What if my proposal requires some research and innovation (R&I) in addition to running experiments? Is this permissible?

- A. Yes, but we recommend that there is a good balance between R&I and Experiments in the proposed project plan. For example, you can carry out the necessary R&I and plan some interim experiments during the project plan, e.g. mid – term and end of project. Please keep in mind that the NGI initiative, in general, is geared towards getting your NGI solutions up and running quickly, and that is why there is a focus on experiments in our open calls.

Frequently Asked Questions

Q. Can we apply to another NGI RIA's open call at the same time?

- A. Yes, but the NGI initiative is monitoring the situation in terms of potential double funding and operational capacity issues;
- B. Therefore, you must advise us whether you have past applications in other NGI projects (past or present), or EU H2020 projects or previous NGI applications submitted, as this information is being collected and coordinated by NGI for statistical purposes;
- C. In addition, we would advise that you make contact with us at contact@ngiatlantic.eu to find out which would be your best fit.
- D. In summary, the NGI RIAs are coordinating together about their results, to find if there is/are any overlapping activities.

Thank you!

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- Call 5 Information available at
<https://ngiatlantic.eu/ngiatlanticeu-5th-open-call>



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