NEXT GENERATION INTERNET

Grant Agreement No.: 825354
Call: H2020-ICT-2018-2020

Topic: ICT-24-2018-2019
Type of action: CSA

D4.3 ANNUAL MEDIA AND PRESS COVERAGE REPORT

Revision: v1.0

Work package	WP4
Task	4.2
Due date	31/12/2019
Submission date	31/12/2019
Deliverable lead	Tipik
Version	1.0
Authors	Marie-France Locus, Sophie Chalon (Tipik)
Reviewers	Margherita Trestini, Margherita Facca, Monique Calisti (Martel)

Abstract	This deliverable reports on the main media and press activities run during year 1, collecting the material, and assessing effectiveness and reach of the efforts in view on injecting back into the NGI Communication and Marketing strategy.
Keywords	Media, Press, Communication, clipping, reach, Next Generation Internet, Journalist

Document Revision History

Version	Date	Description of change	List of contributor(s)
V0.1	10/11/2019	ToC	Marie-France Locus (Tipik)
V0.2	12/12/2019	Content Integration and editing	Marie-France Locus (Tipik), Leo Mallet (Tipik)
V0.3	20/12/2019	Partners Contribution	Margherita Trestini (Martel)
V0.4	13/01/2020	Content revision and finalisation	Marie-France Locus (Tipik),
V0.5	15/01/2020	FromattingReview	Margherita Facca (Martel)
V1.0	22/01/2020	Final Review	Dr Monique Calisti (Martel)

DISCLAIMER

The information, documentation and figures available in this deliverable are written by the "Next Generation Internet for All - Promoting Global Visibility on the Human-Centric Internet" (NGI4ALL) project's consortium under EC grant agreement 825354 and do not necessarily reflect the views of the European Commission.

The European Commission is not liable for any use that may be made of the information contained herein.

COPYRIGHT NOTICE

© 2019 - 2022 NGI4ALL Consortium

Project co-funded by the European Commission in the H2020 Programme		
Nature of the deliverable:	to specify R, DEM, DEC, OTHER*	
Dissemination Level		
PU	Public, fully open, e.g. web	☐
CL	Classified, information as referred to in Commission Decision 2001/844/EC	
CO	Confidential to HUB4NGI project and Commission Services	

** R: Document, report (excluding the periodic and final reports)*

DEM: Demonstrator, pilot, prototype, plan designs

DEC: Websites, patents filing, press & media actions, videos, etc.

OTHER: Software, technical diagram, etc.

Co-funded by the Horizon 2020 Framework Programme of the European Union

EXECUTIVE SUMMARY

A comprehensive view of our media coverage and reach can only be achieved by continuously scanning for mentions across all channels where our audience might engage, including:

- Print – traditional printed news, such as newspapers and magazines.
- Online – websites, blogs, online media sites.
- Social Media – Twitter, Instagram, Facebook, YouTube, etc.
- Broadcast – television and radio.

This deliverable focuses on print, online and broadcast. The social media part is covered under the deliverable D 16 NGI community demographics and evolution (1st version).

STATISTICS

Given that the present deliverable focuses solely on mentions in print, online and broadcast media, the number of mentions can be broken down into the following categories:

Total number of mentions: 21 (50*)

Number of Print mentions: 1
Number of Broadcast mentions: 1
Number of Online mentions: 19 (48*)

Total estimated outreach?

*Since one of the mentions online was through a wire agency (Europa Press ES), a same article was used in 30 media outlets in total, meaning we have potentially two online counts: one which sees the original mention as a single Online mention and another that sees every mention as an extra, separate Online mention.
Table of Contents

© 2019-2022 NGI4ALL

Co-funded by the Horizon 2020 Framework Programme of the European Union

TABLE OF CONTENT

Disclaimer 2
Copyright notice 2
Statistics 3
1 MEDIA AND PRESS ACTIVITIES 5
1.1 Launching of the media activities 5
Results 5
1.2 NGI Forum 2019 5
Contacting the press 5
Video clips 6
Learnings 6
2 MEDIA CLIPPING 7
3 NEXT STEPS AND CONCLUSION 61
2020: new strategy for the press 61
Press meeting @ the European Commission 61
Press guidelines and strategy for the projects 61
Focus: EIC HORIZON PRIZE 'BLOCKCHAINS FOR SOCIAL GOOD' FINALISTS' DAY 62
Conclusion 63

© 2019-2022 NGI4ALL

Co-funded by the Horizon 2020 Framework Programme of the European Union

1 MEDIA AND PRESS ACTIVITIES

1.1 LAUNCHING OF THE MEDIA ACTIVITIES

The media activities were launched with the brainstorming on the NGI story and the creation of the media database.
In terms of storytelling methodology, we refer the reader to the deliverable D1.2.1 which describes in detail the training session that was given on this subject.
The objective of the brainstorming was to define the best elements to build the strongest storytelling for NGI. In other words, to achieve NGI objectives, what content and which stories should we bring upfront and develop to convince media and multipliers to write and communicate about NGI, projects and achievements? We needed a general NGI story and a set of linked sub-stories that we could use to convey the main messages to the final target audiences.
The story 1 was annexed to all our communication with the press.
The NGI media database (described in the deliverable D20) was created between June and august 2019 with the objective of having a strong database for the press activities around the NGI Forum 2019.

RESULTS

The results of the first phase of the media and press activities was the creation of a database of 520 contact across all EU countries (see deliverable D20, Media database for more information).

1.2 NGI FORUM 2019

The media and press activities started mainly with the NGI Forum 2019. The press release created by Martel and reviewed by Tipik was sent to the media database created (see deliverable D20, Media database for more information).

CONTACTING THE PRESS

The press release was sent together with the NGI Story 1 to over 500 contacts. It was translated into Finnish for the Finish press and the list of stakeholders created for the NGI Forum. It was also translated into Spanish by Ledger (see annex 1, 2 and 3 for the press releases in EN, FI and ES).

After the launch of the press release a follow up by phone was made for 2 contacts per country as well as answering the feedback of the press on the specific mailbox.

The NGI outreach office was in contact with My Data press team every 2 weeks to discuss media and interview opportunities.

A second press release was sent, combined with the program of My Data (see annex 4).

© 2019-2022 NGI4ALL

Co-funded by the Horizon 2020 Framework Programme of the European Union

VIDEO CLIPS

The NGI outreach office took the opportunity of the NGI Forum to conduct interviews with the main speakers.

The questions for the interviews were drafted by Tipik and reviewed by Martel and then sent to the EC for information and validation. (see annex 5 for the questions).

On site, Erik Morren from Tipik and Katherine Anderson from Martel conducted the interview in the side-lines of the Forum, to capitalize on the presence of key spokespeople in the NGI community, and to promote NGI in their own words from their own perspective.

The video clips are now created and released by Martel on the NGI social media platforms and website. Video interviews amplify the outcomes and engagement from the NGI Forum through our NGI channels (e.g. YouTube etc) to resonate long after the event has ended.

LEARNINGS

The results of the NGI forum 2019 in terms of press clipping in traditional media was not as high as expected. The returns we had from the press were often paid proposals, which we want to avoid, or a real interest if their travel and accommodation arrangements could be covered (too expensive city).

We learned from this experience that direct contacts, high level speakers and a specific dedicated program will be essential to attract the press for the next edition.

© 2019-2022 NGI4ALL

Co-funded by the Horizon 2020 Framework Programme of the European Union

2 MEDIA CLIPPING

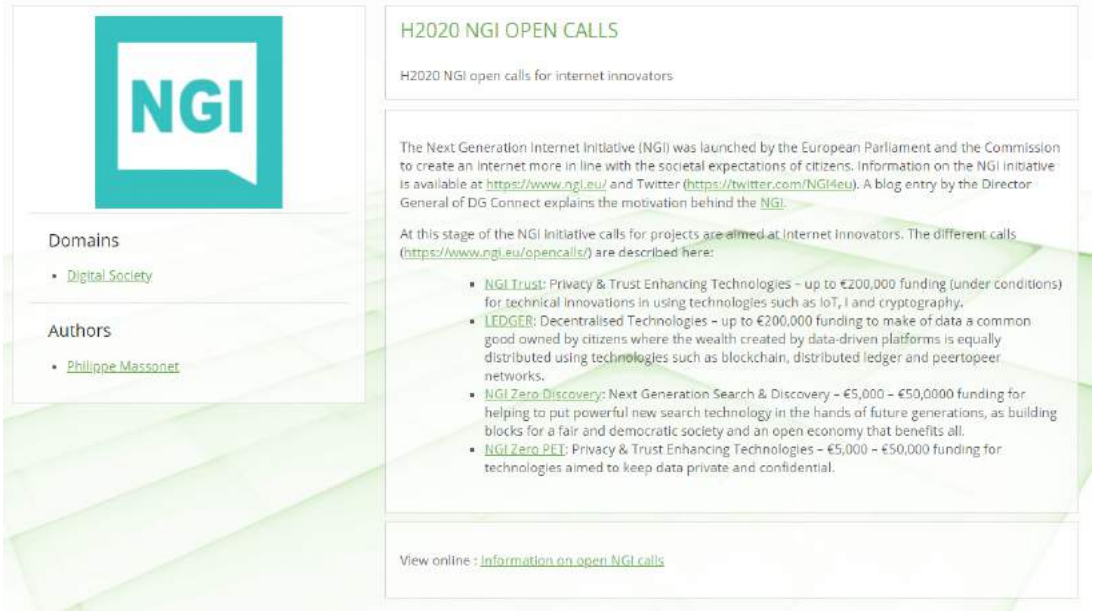
Date	**N/A**
Title	THE NGI FORUM 2019 WILL BE CO-HELD WITH THE MYDATA 2019
Url	https://mydata2019.org/the-ngi-forum-2019-will-be-co-held-with-the-mydata-2019/
Profile/ Areas covered	Event focused on personal data issues. From the website: MyData 2019 conference was a place for accelerating global change towards a human-centric approach to personal data (…) some 1000 experts from business, legal, tech and society sectors gathered for the fourth time in Helsinki, with the focus on how to effect the change we need. Areas: Technology, Data, Privacy, GDPR
Outreach	Website figures: 1000 participants / 40+ countries represented Facebook followers: 1165
Full Text	**THE NGI FORUM 2019 WILL BE CO-HELD WITH THE MYDATA 2019** The **NGI Forum 2019**, at its third edition, is the flagship event of the **Next Generation Internet (NGI)**initiative, which brings together some of Europe's top internet innovators, researchers and policymakers, who are shaping the internet of tomorrow. This year edition, **on 25th September 2019**, will be co-located with the **MyData conference** in Helsinki, and it will be an opportunity to share knowledge with leading experts from a variety of disciplines, including privacy and trust, decentralised data governance, discovery and identification, artificial intelligence, and more. **REGISTER AT THE NGIFORUM WEBSITE!** THE NEXT GENERATION INTERNET FORUM 2019

© 2019-2022 NGI4ALL

Co-funded by the Horizon 2020 Framework Programme of the European Union

	The event will include a mix of specialist talks, open discussions and interactive working groups. The emphasis is on stimulating discussion and the free exchange of ideas between researchers, SMEs & startups, industry players, policy makers, and civil society. **STAY TUNED ON THE NGI CHANNELS AND REGISTER AT THE NGIFORUM WEBSITE!**
Domain	https://mydata2019.org/

Co-funded by the Horizon 2020 Framework Programme of the European Union

Date	**N/A**
Title	H2020 NGI OPEN CALLS
Url	https://www.cetic.be/H2020-NGI-OPEN-CALLS
Profile/ Areas covered	Belgian applied research centre, focusing on helping companies integrate technological breakthroughs into their products, processes and services. Areas: Big Data, Cloud Computing, Internet of Things, IT Security
Outreach	n/a
Full Text	
Domain	https://www.cetic.be/

Co-funded by the Horizon 2020 Framework Programme of the European Union

Date	**N/A**
Title	Join the Next Generation Internet Initiative
Url	https://spectrum.ieee.org/computing/networks/join-the-next-generation-internet-initiative
Profile/ Areas covered	Serves engineering, engineering management and scientific professionals in the high-technology sectors of industry, business, government and education. Editorial provides coverage of technology and its sociotechnical impact on current and future trends in electronics, computers, communications and related business areas of physics, mathematics, chemistry, medicine/biology and nuclear sciences. Areas: Electronics
Outreach	UVPM: 6711820
Full Text	**Join the Next Generation Internet Initiative** The NGI brings together innovators, researchers and policymakers – Martel CEO & HUB4NGI coordinator Dr Monique Calisti Sponsored by NEXT GENERATION INTERNET

Co-funded by the Horizon 2020 Framework Programme of the European Union

Q: What is the Next Generation Internet initiative?

Dr Monique Calisti at the NGI Forum

The Next Generation Internet (NGI) initiative was launched by the European Commission in 2016 under the auspices of Roberto Viola, Director-General for Communications Networks, Content & Technology, fostering the creation of an internet capable of offering more to people and to our society. The NGI Initiative taps into and seeks to lead a global upswell of players who are focusing on creating a democratized, decentralized, and human-centred internet.

Q. What does a "human-centred" internet mean?

The NGI's ambition is an internet that provides better services to people, giving them back control of their data and empowering them to participate. This means using technology in a way that upholds human dignity, privacy and security, while being transparent and trustworthy. It's an internet that serves the many not the few and is accessible to all. We need to shake and move the foundations of the internet if we are to achieve this.

© 2019-2022 NGI4ALL

Co-funded by the Horizon 2020 Framework Programme of the European Union

NGI initiative members L-R: Ragnar Bergstrom, Jorge Gasos, Virginia Dignum, Olivier Bringer, Monique Calisti, Marta Arniani, Pearse O'Donohue and Nicole Muessigmann

Q: What technologies and disciplines will the NGI embrace?

The NGI initiative promotes a coherent integration of ethics, design and education with cutting-edge technologies such as Artificial Intelligence, the Internet of Things, Interactive Technologies, Digital Learning and Smart Connectivity to transform the internet and deliver social good and economic benefits to everyone.

© 2019-2022 NGI4ALL

Co-funded by the Horizon 2020 Framework Programme of the European Union

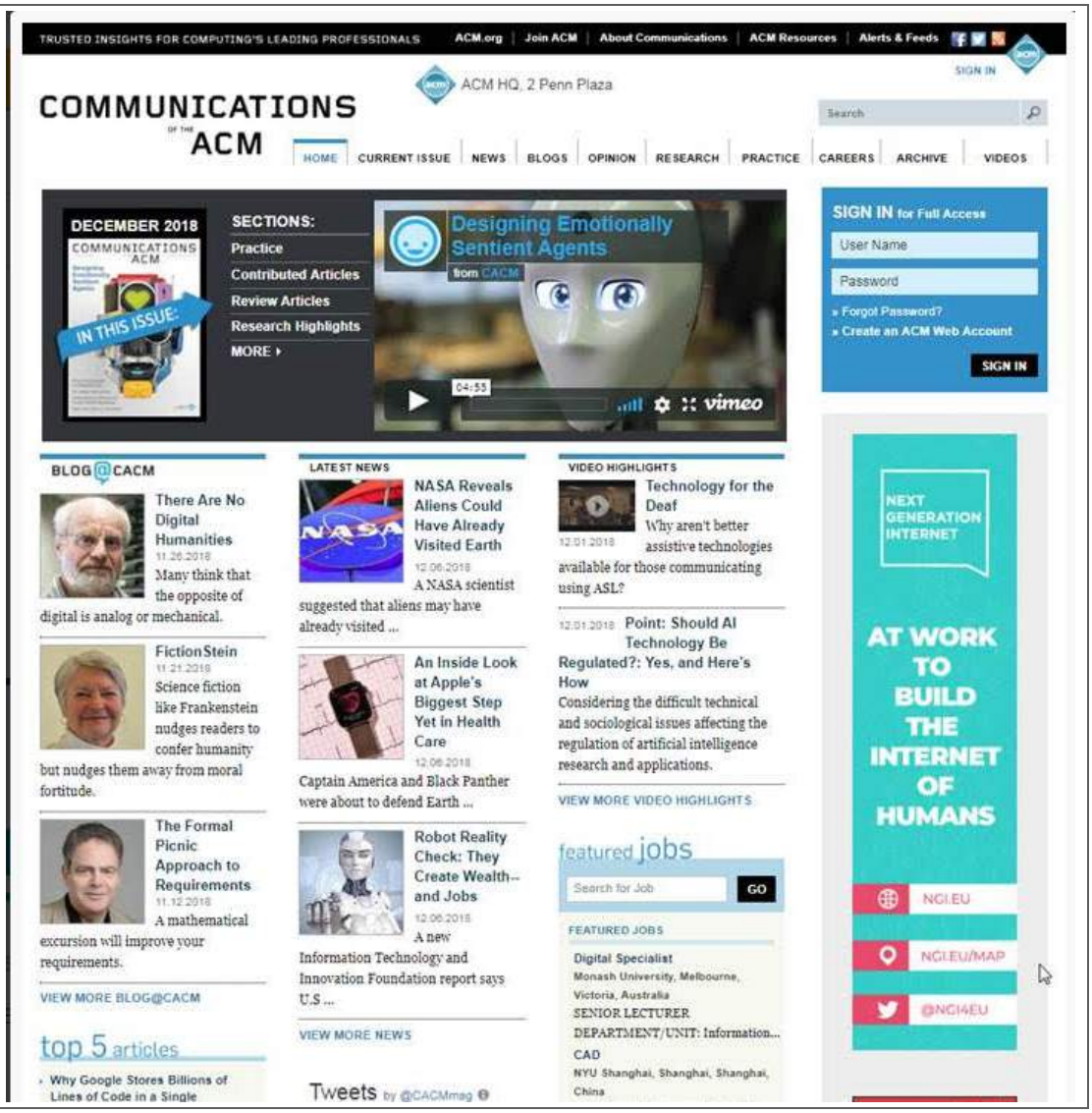
	Q: How can organizations join NGI and how much does it cost? **The NGI is free to join. Join by signing up to the NGI mailing list, taking an NGI survey, adding your relevant organization to the NGI map, meeting the community at upcoming events and participating in the NGI Open Calls, which offer a unique opportunity to fund researchers and innovators at work for a better internet.** **Why join the NGI?** • **Steer the digital transformation process in Europe and internationally** • **Gain visibility among a vibrant, growing community of innovators who are creating the internet of tomorrow** • **Get your research and innovation funded** **Visit www.ngi.eu for more information.**
Domain	https://spectrum.ieee.org/

Co-funded by the Horizon 2020 Framework Programme of the European Union

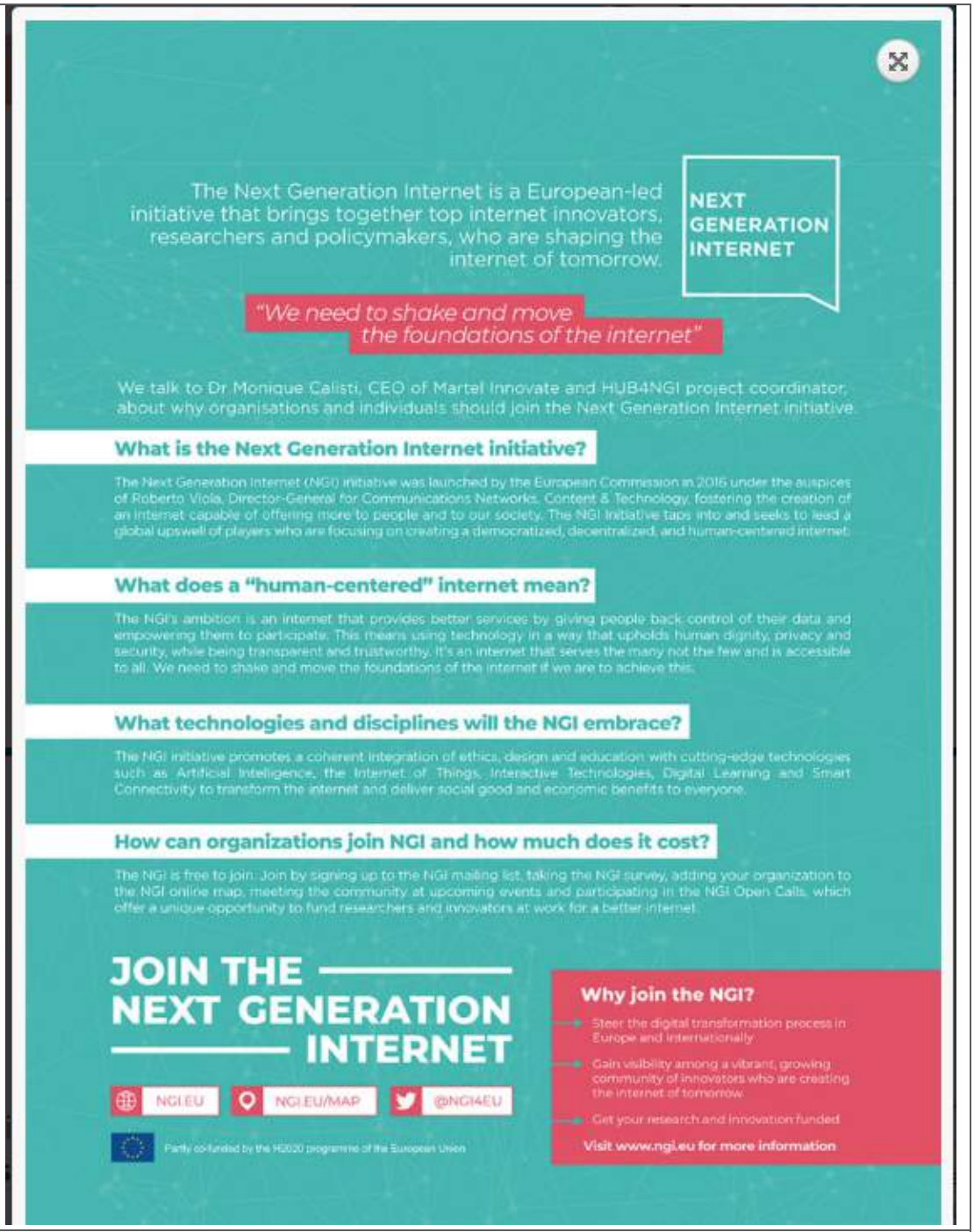
Date	**N/A**
Title	At work to build the internet of humans
Url	N/A
Profile/ Areas covered	Provides the latest coverage in all areas of computer technologies for professionals and students in research facilities, companies and government and academic institutions. Includes industry trends, inventions and opportunities, new research updates, case studies of selected systems and profiles of leaders in the computing technologies field. Areas: Computer Hardware, Industry News, Internet, Network Computing, Software Applications, Technology
Outreach	UVPM: 2542399

© 2019-2022 NGI4ALL

Co-funded by the Horizon 2020 Framework Programme of the European Union

Full Text	

Co-funded by the Horizon 2020 Framework Programme of the European Union



Domain	https://cacm.acm.org/

Date	**N/A**
Title	NGI Forum 2019, Helsinki
Url	https://www.montesquieu-instituut.nl/id/vl1gbp84znr4/agenda/ngi_forum_2019_helsinki?ctx=vg9pjpw5wsz1&v=1&tab=1&start_tab1=84
Profile/ Areas covered	From the website: "The Montesquieu Institute functions as a think tank in the area of parliamentary functioning of the European Union and it offers a physical and virtual meeting point for scientists. With the development of the digital knowledge exchange network the MI aims at strengthening research activities and disclosing information on the polity of the Netherlands and of the European Union in a user-friendly and manageable way." Areas: EU Research, Digital Knowledge Exchange, Policy, Politics
Outreach	Facebook followers: 1197

© 2019-2022 NGI4ALL

Co-funded by the Horizon 2020 Framework Programme of the European Union

Full Text	# NGI Forum 2019, Helsinki **datum** 25 september 2019 **plaats** Helsinki, Finland **locatie** Wanha Satama, Pikku Satamakatu 3-5, 00160 Helsinki, Finland The Next Generation Internet (NGI) initiative aims to foster a vibrant open Human-centric Internet movement that links research, policy and society for the creation of a better Internet - an Internet that respects fundamental values of privacy, participation and diversity. The Next Generation Internet Forum is the flagship annual event that gathers researchers, innovators and policy makers at work on several fronts to restructure the Internet to be fit for the future. The event will include a mix of policy and specialist talks, open discussions and interactive working groups. The emphasis is on stimulating discussion and the free exchange of ideas between policy makers, researchers, SMEs and Startups, industry players, and civil society. Some of the main topics covered at NGI Forum 2019 include: - Data governance and portability - Privacy and trust enhancing technologies - Discovery technologies and online identification - Collective intelligence - from citizens science to open innovation - Blockchain and distributed ledger technologies More information can be found on the conference website
Domain	https://www.montesquieu-instituut.nl/

Co-funded by the Horizon 2020 Framework Programme of the European Union

Date	**N/A**
Title	N/A
Url	https://aioti.eu/events/consultation-workshop-on-research-priorities-for-the-next-generation-of-internet-of-things-16-october-brussels/
Profile/ Areas covered	From the website: "AIOTI was initiated by the European Commission in 2015 to strengthen the dialogue and interaction among IoT players in Europe, to contribute to the creation of a dynamic European IoT ecosystem and speed up the take up of IoT." Areas: Internet of Things, Innovative SMEs and Startups
Outreach	Twitter followers: 1434
Full Text	Internet of Things (IoT) technologies and applications are bringing fundamental changes to all sectors of society and economy and constitute an essential element of the Next Generation Internet (NGI). IoT technologies and applications are changing the way users, services and applications interact with the real world environment in a trusted way. The European Commission supports the future research and innovation in Internet of Things (IoT) technologies and applications, and intends to discuss the technologies, market drivers and main challenges, which are bringing fundamental changes to all sectors of society and economy and constitute an essential element of the NGI. The workshop should discuss novel IoT concepts and solutions to underpin the NGI vision and make provision for predicting future events, trigger actions and moving decisions to the point of interest in order to better serve the end-user. Participants should think of possible use cases with advanced needs in areas such as wearables, transportation, agriculture homes, health, energy, and manufacturing. The workshop should reflect on key elements for drafting a roadmap for next generation IoT, which is supported by the CSA NGIoT. The participants of the workshop "Next Generation Internet of Things" organized by the European Commission will discuss research and innovation actions as well as possible policy measures to be taken at EU level. The workshop addresses researchers, industry, application developers and start-ups. The European Commission will support a first set of projects under the NGI umbrella through the call ICT-56-2020 Next Generation Internet of Things. . This call has been opened on 9 July 2019 and it will close on 16 January 2020. During the afternoon, a special session will give opportunity to the participants to present their possible ideas. One session will be also organised by the IDEALIST in order to support match-making of the consortia.
Domain	https://aioti.eu/

© 2019-2022 NGI4ALL

Co-funded by the Horizon 2020 Framework Programme of the European Union

Date	**N/A**
Title	Next Generation Internet Forum 2019
Url	http://www.bdva.eu/node/1296
Profile/ Areas covered	The Big Data Value Association (BDVA) is an industry-driven international not–for-profit organisation aiming to develop the Innovation Ecosystem that will enable the data and AI-driven digital transformation in Europe. From the website: “BDVA is the private counterpart to the EU Commission to implement the Big Data Value PPP program.” Areas: Big Data, SMEs, PPPs, EU Research
Outreach	Members: +/- 200 SMEs, Large industries, research organisations Twitter followers: 2676 LinkedIn followers: 1217
Full Text	Next Generation Internet Forum 2019 **Event date:** Wednesday, 25 September, 2019 **Place:** Helsinki, Finland The registration to the 3rd annual edition of the Next Generation Internet Forum 2019 is now open and the first version of agenda has been published. https://ngiforum.eu/ The NGI Forum 2019 aims to explore, debate and present research and innovation efforts that are reshaping the Internet through collective and networked intelligence. The line-up of speakers includes top experts and practitioners, as well as policy makers and civil society players. The NGI Forum 2019 is co-located with the MyData Conference and will take place in Helsinki on the 25th September. Registration is for free, but mandatory, so don't miss this opportunity!
Domain	http://www.bdva.eu/

© 2019-2022 NGI4ALL

Co-funded by the Horizon 2020 Framework Programme of the European Union

Date	**January 24, 2019**
Title	NGI MOVE AND NGI FORWARD PRESENT NEXT GENERATION INTERNET SCENARIOS IN EUROPEAN PARLIAMENT
Url	https://www.theinternetofthings.eu/ngi-move-and-ngi-forward-present-next-generation-internet-scenarios-european-parliament
Profile/ Areas covered	Network of stakeholders working on IoT issues, organised into a Council. Areas: Internet of Things
Outreach	Members (of "IOT Council"): 547
Full Text	NGI MOVE AND NGI FORWARD PRESENT NEXT GENERATION INTERNET SCENARIOS IN EUROPEAN PARLIAMENT 24/01/2019-09:18 NEXT GENERATION INTERNET We are experiencing the last potential zone of transition with humans in agency. This implies that patterns of change still follow forms that are set by deeply rooted human fears, hopes and dreams. Change requires radical ideas that are marginalized, turning into messy zones of conversation, ending up in relatively more moments of perceived 'normality'. Then 'all of a sudden' the ideas that were once threatening seem logical and acceptable. This pattern, underlying the Gartner cycles, is the defining moment of the Anthropocene. As machines, machine learning, Big Data, AI are beginning to deliver scenarios on which business decisions are being made in all domains, except for now the political, the window of opportunity to anchor human agency into what is rapidly becoming a blurred connectivity of humans and machines, is... now. And now means now, today. Not tomorrow. The facts are not negotiable.

© 2019-2022 NGI4ALL

Co-funded by the Horizon 2020 Framework Programme of the European Union

	An emerging field of research looks into how AI can be combined with human intelligence. It talks about (social) collective intelligence, which means a community lens on all information available and a deeper level of understanding. Date And Time Fri, March 22, 2019 1:30 PM – 4:30 PM CET European Parliament, 60 Wiertzstraat, 1047 Leopold Quarter NGI Move, @NGI4EU brings you Salons and Meetings all over Europe to promote, exchange and debate the Next Generation Internet movement, embodied in the upcoming ICT-24 calls in 2018, 2019 and beyond. NGI Forward is the Strategy CSA effective frrom January 2019. Agenda Opening: Marietje Schaake, Member of European Parliament (D66, ALDE Group) Moderators of the day: Katja Bego and Rob van Kranenburg There was no more common sense or balance in the systemic architecture that could be supported by convincing structural belief system from which an everyday ethos for practical living could be derived and sensible business models could be deducted. The story had dried up, the protagonists were no longer believable to the audience nor the critics, the actors nor the author and even the props started complain.
Domain	https://www.theinternetofthings.eu/

Co-funded by the Horizon 2020 Framework Programme of the European Union

Date	**February 7, 2019**
Title	NGI Horizon 2020: Calling All IoT Innovators
Url	https://www.iotforall.com/horizon2020-ngi-trust-calling-iot-innovators/
Profile/ Areas covered	IoT For All covers all the latest news and information about the Internet of Things and related technologies. Topics include Devices, Sensors, Voice Technology, Edge Computing, Cloud Computing, Artificial Intelligence (AI), Machine Learning (ML), and Privacy. Areas: Artificial Intelligence, Internet, Network Computing, Technology, Cloud Computing, Smartphones
Outreach	UVPM: 16060

© 2019-2022 NGI4ALL

Co-funded by the Horizon 2020 Framework Programme of the European Union

Full Text

Conferences | Internet of Things | Data & Analytics | Security | Technology

NGI Horizon 2020: Calling All IoT Innovators

This article provides a brief on new call from Horizon2020 Fund NGI Trust. The piece will let readers know about the call and what the fund is about—technical innovation in privacy enhancing technologies for IoT and the wider Internet.

By **Susan Morrow** - February 7, 2019 720

Illustration: © IoT For All

Co-funded by the Horizon 2020 Framework Programme of the European Union

	The **NGI,** or Next Generation Internet (NGI) **initiative**, was started by the European Commission back in 2016. It's funded by the European Union's Horizon 2020 research and innovation programme. The initiative is run by a body that looks to fund innovation in the area's key to building a future-proofed Internet; that is "openness, inclusivity, transparency, privacy, cooperation, and protection of data." As the Internet has developed and the Internet of Things (IoT) has evolved, we've discovered a number of areas of improvement that need to be urgently resolved, including security, data privacy, and ultimately, and trust must be developed and optimized to ensure IoT can be used successfully across the world. A trustworthy IoT is crucial to the protection of data and *trust by design* is vital for its continued success in our businesses, for our customers, and across our smart cities. To help to achieve a more trusted Internet and IoT, NGI has a new open call for proposals. They're seeking to fix a number of the issues inherent in IoT and the internet more broadly. To accomplish this, the group, **NGI_Trust** has been created to offer funding that is focused on creating the tools and methodologies needed to build a more "human-centric" internet.

© 2019-2022 NGI4ALL

Co-funded by the Horizon 2020 Framework Programme of the European Union

The new NGI_Trust (Horizon2020 Fund) is calling for applications for funding to foster technical #Innovation in #Privacy enhancement for #IoT. || @NGI_EXP @NGI4eu @EU_H2020 @avocoidentity CLICK TO TWEET

The first call, which **opened on February 1, 2019**, covers the following areas:

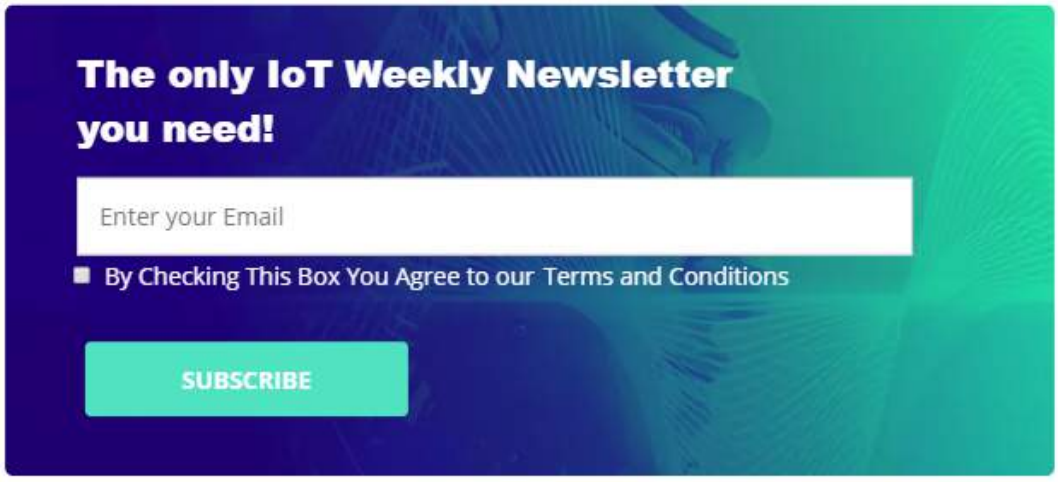
- Technical innovation in privacy enhancing technologies, such as cryptography, federated identity, security and privacy for IoT, distributed ledgers and privacy-enhancing data transports and data at rest.
- The application of artificial intelligence/machine learning/neural networks to serve the user's interests (such as addressing concerns arising from the impact of profiling and mass surveillance).
- Bootstrapping trust at the protocol level, to maintain a decentralized internet infrastructure, for the establishment of trust, privacy (and security) between end-users and services.
- Developing means for individuals to make more informed decisions on the relevance of information that they are asked to disclose when accessing and using services.

Applications for funding need to be **received by 30 April 2019 at 18:00**.

© 2019-2022 NGI4ALL

Co-funded by the Horizon 2020 Framework Programme of the European Union

IoT has a number of both security and privacy issues. Funding from NGI_Trust will help to alleviate these issues and get innovative solutions off the ground. If you are an organization within the geographical catchment of the project and your organization comes under the following list of eligible types, then you can consider applying for funding:



- Researchers and developers (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 centers;
- Internet technologists and innovators, privacy and trust specialists and action groups;
- Organizations/companies with relevant privacy and trust cases or concerns in specific sectors or 'verticals' (fields such as health, etc.);
- Micro, small and medium-sized enterprises working on internet-based solutions or and other related technologies.

If you can't make this call for proposals, further calls will begin in October of 2019 and February 2020.

Further details and application forms for funding can be found at the NGI_Trust website.

Domain	https://www.iotforall.com/

Co-funded by the Horizon 2020 Framework Programme of the European Union

Date	**Spring-Summer 2019**
Title	RINA, un projet pour l'internet de nouvelle génération
Url	https://la-rem.eu/2019/09/rina-un-projet-pour-linternet-de-nouvelle-generation/
Profile/ Areas covered	Paraissant chaque trimestre depuis décembre 2006, La revue européenne des médias et du numérique est conçue et réalisée par l'Institut de recherche et d'études sur la communication (IREC), dirigé par Francis Balle, professeur à l'Université Panthéon-Assas (Paris 2), en partenariat avec l'INSEEC U. Areas: Médias, Droit, Numérique, Economie, Journalisme, and Communication
Outreach	LinkedIn Followers: 118
Full Text	**RINA, un projet pour l'internet de nouvelle génération** Par **Jacques-André Fines Schlumberger** - N°50-51 Printemps - été 2019 TCP/IP, des limites connues depuis longtemps Les « Next Generation Network » De IPV4 à IPV6 De TCP/IP à RINA La transition de TCP/IP vers RINA et les déploiements en cours Un financement européen Le 12 mars 2019 étaient célébrés les 30 ans du web, une occasion d'examiner l'un des nombreux projets visant à inventer l'internet du futur, appelé RINA (Recursive InterNetwork Architecture), auquel participe le chercheur français Louis Pouzin, l'un des pionniers de l'internet. Depuis les années 2000, divers programmes de recherche sont consacrés aux nouvelles architectures de réseau capables de résoudre les lacunes de l'internet actuel. Aux États-Unis, le Named Data Networking (NDN), dont le modèle est centré sur le contenu et le MobilityFirst, axé sur les services mobiles, sont financés par le programme Future Internet Architecture (FIA) de la National Science Foundation (NSF), équivalent américain du CNRS en France. En Europe, le projet 4WARD, quant à lui, avait pour objectif de créer une architecture de réseau où l'information dispose d'une identité propre, indépendamment de son lieu d'hébergement.

© 2019-2022 NGI4ALL

Co-funded by the Horizon 2020 Framework Programme of the European Union

LES PROTOCOLES TCP ET IP N'ONT PAS ÉTÉ PENSÉS, DANS LES ANNÉES 1980, POUR SUPPORTER UNE TELLE DIVERSITÉ D'APPLICATIONS

Le fonctionnement du réseau internet repose sur les protocoles TCP (Transmission Control Protocol) et IP (Internet Protocol) qui n'ont pas changé depuis leur développement dans les années 1970 et leur utilisation à partir des années 1980, notamment par le réseau Arpanet qui préfigurera le réseau internet. Or, de quelques centaines d'utilisateurs au départ, le réseau accueille, quarante ans plus tard, plus de 4,5 milliards d'utilisateurs à travers une kyrielle de services inimaginables à l'époque : développement du haut débit, téléphonie sur IP, télévision sur IP, explosion des usages internet en situation de mobilité, essor de l'internet des objets… Les protocoles TCP et IP n'ont pas été pensés, dans les années 1980, pour supporter une telle diversité d'applications : *« IP n'a pas été optimisé pour prendre en charge les flux de données tels que la voix, la diffusion audio et la vidéo. Il a été conçu pour ne pas être le réseau téléphonique »* expliquait en 2011 John Day, co-concepteur d'Arpanet.

TCP/IP, des limites connues depuis longtemps

Le principe de la commutation par paquets, imaginée dans les années 1960 par Donald Davies, puis par Paul Baran, repose sur l'idée que pour transmettre une information sur un réseau, celle-ci est d'abord découpée en paquets de données, dits datagrammes, comportant une adresse de destination. On doit l'invention des datagrammes à Louis Pouzin qui, avec une petite équipe d'ingénieurs de l'IRIA (qui deviendra l'INRIA), lance en 1971 le projet Cyclades, premier réseau fonctionnant grâce à la commutation par paquets. En 1974, Bob Kahn et Vinton Cerf, aux États-Unis, mettent en œuvre ce concept de datagramme dans le réseau Arpanet, en se basant à la fois sur les travaux du projet Cyclades et sur leur propre invention en 1973 des protocoles TCP/IP, qui deviendront le socle du fonctionnement de l'internet en 1983. Même si le réseau internet prend rapidement de l'ampleur, les limites techniques des protocoles TCP/IP sont déjà biens connues de certains ingénieurs. Dans l'article intitulé « Moving beyond TCP/IP » d'avril 2010, Fred Goldstein et John Day en dressent la liste : *« IP ne gère pas bien l'adressage ou le multi-hébergement.* […] *TCP et IP ont été séparés dans le mauvais sens.* […] *IP manque d'une architecture d'adressage.* […] *IP est surchargé par le* peering *local.* […] *et enfin, IP est mal adapté pour le streaming ».*

© 2019-2022 NGI4ALL

Co-funded by the Horizon 2020 Framework Programme of the European Union

Les protocoles TCP/IP assurent le transport des paquets « au mieux » (*best-effort delivery*) sans se préoccuper de leur contenu, le plus important étant la méthode pour les mener à destination. Cette méthode est à l'opposé du modèle des télécommunications selon lequel établir une communication sur un réseau, depuis les années 1950, consiste à ce que deux appareils utilisent un protocole préliminaire pour établir une connexion de bout en bout avant que les données soient envoyées : c'est la commutation par circuit. Le modèle des télécommunications repose sur un niveau dit « de qualité de service » (*quality of service*), afin de garantir une communication sans perte de données et une connexion plus sécurisée que sur un réseau *best effort.* Aussi, pour pallier les déficiences des réseaux informatiques, les opérateurs de télécommunications ont très tôt réfléchi à des réseaux de nouvelle génération.

MÊME SI LE RÉSEAU INTERNET PREND RAPIDEMENT DE L'AMPLEUR, LES LIMITES TECHNIQUES DES PROTOCOLES TCP/IP SONT DÉJÀ BIENS CONNUES DE CERTAINS INGÉNIEURS

Les « Next Generation Network »

Depuis le milieu des années 1990, les opérateurs de télécommunications, fortement attachés à un réseau « en qualité de service » (*quality of service*), ont travaillé, par l'intermédiaire de l'Union internationale des télécommunications (UIT), à des réseaux dits de nouvelle génération : « Next Generation Network » (NGN). Leur objectif était à la fois de substituer au réseau téléphonique commuté une architecture de réseau en mode paquet, mais également de pouvoir garantir, au sein de ces nouveaux réseaux, des connexions « en qualité de service ». Pour l'UIT, un réseau NGN doit remplir certaines conditions, notamment être en mesure d'exploiter les technologies IP, pourvu que celles-ci soient capables d'assurer une qualité de service de bout en bout, à la fois sur des réseaux fixes et sur des réseaux mobiles. Un réseau NGN doit également permettre aux opérateurs de télécommunications de satisfaire leurs obligations réglementaires concernant les appels d'urgence, la sécurité et la confidentialité du réseau, ainsi que les interceptions légales dont ils pourraient avoir la charge. Il s'agit donc d'adapter au réseau internet, fonctionnant sur les protocoles TCP/IP, des technologies permettant, pour certains services, d'assurer des communications en mode circuit. Cependant, ces réseaux de nouvelle génération proposés par les opérateurs de télécommunications ne se sont jamais imposés, face à l'une des promesses de l'évolution du protocole IPV4 vers IPV6 d'améliorer la « qualité de service » du réseau.

© 2019-2022 NGI4ALL

Co-funded by the Horizon 2020 Framework Programme of the European Union

De IPV4 à IPV6

L'IETF (Internet Engineering Task Force), groupe informel, sans statut, tenant trois réunions par an, élabore et promeut les standards internet, notamment les normes TCP/IP. L'IETF a promulgué la version IPV4 du protocole IP en 1981, et a mené, dès les années 1990, des travaux pour faire évoluer ce protocole afin de remédier à ses limitations. Les spécifications du nouveau protocole, nommé IPV6, ont été publiées en 1998 et standardisées en 2017. Le déploiement du protocole IPV6 a commencé dès le début des années 2000. Cependant ce déploiement se révèle compliqué parce que les équipements IPV4 et IPV6 ne sont pas compatibles, ce qui entraîne également des coûts d'un montant de 25 milliards de dollars seulement pour les États-Unis, d'après une estimation du département américain du commerce.

IPV6 N'EST QU'UNE SOLUTION PALLIATIVE AUX LIMITES ACTUELLES DES PROTOCOLES TCP/IP INGÉNIEURS

Selon John Day, IPV6 n'est qu'une solution palliative aux limites actuelles des protocoles TCP/IP et Louis Pouzin d'ajouter : *« Tout le monde sait que le protocole de communication actuel [TCP/IP] est obsolète et qu'on ne peut pas l'améliorer. La seule chose à faire consiste à le rafistoler sans cesse, le rendant du même coup de plus en plus compliqué et instable. »* IPV6 serait donc la rustine d'une architecture de réseau à bout de souffle. Après le « Next Generation Network » de l'UIT, l'idée d'un « Next Generation Internet » (internet de nouvelle génération) est avancée aux États-Unis par John Day avec la publication en décembre 2007 de « Patterns in Network Architecture : A Return to Fundamentals » (Modèles d'architecture de réseau : un retour aux fondamentaux).

De TCP/IP à RINA

Proposée comme alternative au modèle TCP/IP, l'architecture inter-réseaux récursive ou RINA (Recursive InterNetwork Architecture) est une nouvelle architecture de réseau destinée à unifier l'informatique distribuée et les télécommunications. En informatique, on appelle « processus » un logiciel applicatif en cours d'exécution sur une machine. Lorsque plusieurs processus applicatifs collaborent pour réaliser une tâche, ils doivent échanger de l'information. Par exemple, un processus de messagerie électronique en cours d'exécution sur un ordinateur échange des données avec un processus dit serveur de messagerie qui s'exécute peut-être sur la même machine ou sur une machine installée sur le même réseau local, ou enfin, sur une machine installée dans un centre de calcul à des milliers de kilomètres. Comme l'expliquait en 1972 Bob Metcalfe (inventeur de l'Ethernet, protocole de réseau local à commutation de paquets), la fonction fondamentale du réseau est *« d'assurer la communication entre processus, et seulement cela »*.

© 2019-2022 NGI4ALL

Co-funded by the Horizon 2020 Framework Programme of the European Union

Les deux critiques principales faites par les promoteurs de l'architecture RINA à l'architecture actuelle de l'internet sont les suivantes. Tout d'abord le protocole TCP/IP n'est pas un protocole de communication entre des processus, mais entre des interfaces réseau qu'on appelle des ports, auxquels sont attribuées des adresses IP. N'ayant pas de notion de processus, le protocole ne peut donc fournir aux applications quelque garantie que ce soit en termes de « qualité de service » ou de sécurité. Ces garanties étant absolument nécessaires pour de nombreuses applications, il a fallu développer de nouveaux protocoles de communication au-dessus de TCP/IP pour essayer plus ou moins bien de contourner cette limitation fondamentale. La seconde critique est, elle aussi, essentielle. Alors que l'internet a été conçu pour connecter des réseaux ayant potentiellement des architectures et des protocoles différents, il est en pratique une concaténation de réseaux TCP/IP, ce qui rend très difficile le développement d'architectures offrant de nouvelles ou de meilleures fonctionnalités en termes de qualité de service ou de sécurité.

RINA EST UNE NOUVELLE ARCHITECTURE DE RÉSEAU DESTINÉE À UNIFIER L'INFORMATIQUE DISTRIBUÉE ET LES TÉLÉCOMMUNICATIONS

© 2019-2022 NGI4ALL

Co-funded by the Horizon 2020 Framework Programme of the European Union

RINA GÈRE LA COMMUNICATION ENTRE DES PROGRAMMES EN COURS D'EXÉCUTION À TRAVERS UN RÉSEAU

Alors que TCP/IP gère un réseau de transport de données à travers des interfaces, RINA gère la communication entre des programmes en cours d'exécution à travers un réseau. L'ambition du projet RINA est de développer une véritable architecture de réseau de communication entre processus (Inter-Process-Communication – IPC). Le concept central mis en œuvre dans cette architecture est nommé DIF (Distributed Inter-Process-Communication Facility). Un DIF peut être considéré comme un composant permettant à différents processus ayant besoin de communiquer d'obtenir un ou plusieurs canaux de communication ayant des caractéristiques spécifiques en termes de latence, de débit, de fiabilité, puis d'utiliser ces canaux. L'architecture du réseau est dite récursive parce que l'implémentation d'un DIF peut être faite en utilisant d'autres DIF de plus bas niveau. Par exemple le DIF permettant au processus de messagerie électronique de communiquer avec un serveur distant fera appel aux services du DIF gérant les communications au niveau du réseau local.

Le premier apport d'un tel réseau est d'offrir une meilleure sécurité aux échanges de données qui ne circulent plus sur un réseau ouvert, simple transport d'octets d'une adresse IP à une autre, mais selon des mécanismes sécurisés d'échanges entre des processus applicatifs. L'infrastructure de RINA est imperméable aux attaques provenant de l'extérieur, contrairement à celles menées sur le réseau actuel, rendues possibles parce que les adresses IP sont publiques. En outre, RINA rend obsolète l'utilisation de pare-feu (*firewall*), dont le principe est de surveiller et de contrôler le flux de données qui transitent sur un réseau, puisque cette notion est incluse dans le routage même des données entre les DIF.

© 2019-2022 NGI4ALL

Co-funded by the Horizon 2020 Framework Programme of the European Union

Le deuxième apport, essentiel, réside dans la simplicité avec laquelle toute communication peut être spécifiée : il devient possible de définir le type de communication souhaité, en *best effort* ou en *quality of service*, lors de la création du canal de communication entre processus. RINA constitue donc à la fois une réponse aux tentatives des opérateurs de télécommunications avec les NGN, et au défaut du réseau internet actuel, avec le passage compliqué et coûteux de l'IPV4 à l'IPV6. La communication inter-processus devient un modèle unique et simplifié de réseau à travers lequel tout type de communication devient possible, sans avoir à recourir à des protocoles spécialisés, contrairement à l'architecture actuelle de l'internet.

Le troisième apport de RINA est de simplifier le *multihoming* et l'usage d'internet en situation de mobilité. Le *multihoming* consiste à utiliser plusieurs opérateurs de réseau en même temps afin d'améliorer la fiabilité d'une connexion. Cette opération devient délicate avec l'architecture actuelle d'internet, en raison de ses faiblesses en termes d'adresses et de nommage. Avec RINA, puisque la communication entre processus implique que chaque processus soit nommé et non relié aux autres *via* l'adresse de leur interface, une application nécessitant du *multihoming* peut facilement être connectée en même temps aux DIF de plusieurs fournisseurs d'accès. De la même manière que RINA gère de manière simple le *multihoming*, la mobilité ne serait qu'un cas spécifique de « *multihoming* dynamique » au cours duquel un hôte mobile change de DIF suivant son mouvement. Parce qu'un hôte mobile peut recevoir plusieurs connexions en même temps (*multihoming*), il rejoint de nouveaux DIF au fur et à mesure de son déplacement et abandonne sa participation dans les anciens DIF de manière fluide (*multihoming* dynamique), puisque les processus en cours ne changent pas de nom.

Le quatrième apport de RINA est de fournir un modèle pour la résolution des problèmes de communication dans les applications distribuées, en particulier les applications dites en temps réel pour lesquelles la latence est critique, par exemple la télé-chirurgie.

IL SERAIT PLUS SIMPLE D'ADOPTER RINA À L'ÉCHELLE MONDIALE, SELON JOHN DAY

Quand la plupart des programmes de recherche sur les nouveaux internet sont consacrés à une déficience particulière du réseau – la sécurité, la mobilité ou encore la qualité de service – le propre de RINA est d'offrir une architecture de réseau entièrement repensée, résolvant *de facto* bon nombre des lacunes des protocoles TCP/IP.

© 2019-2022 NGI4ALL

Co-funded by the Horizon 2020 Framework Programme of the European Union

La transition de TCP/IP vers RINA et les déploiements en cours

Selon John Day, il serait plus simple d'adopter RINA à l'échelle mondiale plutôt que de suivre les recommandations de l'IETF favorable au passage du protocole IPV4 au protocole IPV6. Car, le réseau internet étant utilisé en continu, il est nécessaire d'inventer un système qui, tout en intégrant le précédent, soit déployé sans coupure. En 2009, un certain nombre d'experts ont créé la Pouzin Society, *« une société ayant pour objectif de fournir un forum pour développer des solutions viables à la crise actuelle de l'architecture internet »* et notamment développer l'architecture RINA. Depuis dix ans, elle fait l'objet d'un intérêt croissant de la part de centres de recherches répartis en Europe et aux États-Unis : la fondation i2CAT en Espagne, l'université de Patras en Grèce, Nextworks en Italie, l'université de Ghent en Belgique, Interoute en Angleterre, l'université technologique de Brno en République tchèque, l'Université d'Oslo en Norvège ou encore l'université de Boston aux États-Unis, pour n'en citer que quelques-uns. Des projets pilotes et des expérimentations ont également été menés par des industriels, comme Ericsson, Vodafone ou encore Telefonica. IOHK, la société à l'origine de la *blockchain* Cardano, une plateforme de *smart contract* (voir *La rem* n°44, p.97) a récemment annoncé son intention d'adopter RINA comme base évolutive pour répondre à des problématiques de montée en charge de sa *blockchain*. À l'automne 2018, l'Arménie a déclaré vouloir passer le pays sous architecture RINA. Le projet RINArmenia a été lancé en octobre 2018, lors du Forum économique qui s'est tenu en marge du Sommet de l'Organisation internationale de la Francophonie, à Erevan, et sa mise en œuvre devrait durer au moins dix-huit mois.

Un financement européen

L'initiative « Next Generation Internet » (NGI) a été lancée à l'automne 2016 par la Commission européenne et est devenue une priorité essentielle de « Horizon 2020 », le programme européen pour la recherche et le développement pour la période 2014-2020. L'initiative vise à développer et à financer une alternative au développement de l'internet tel qu'il existe actuellement et, notamment, selon les mots de la Commission, pour remédier à *« la concentration du pouvoir entre les mains de quelques entreprises, à l'absence relative ou l'abandon du contrôle des citoyens sur leurs données personnelles, ainsi qu'aux restrictions d'accès à Internet pour des raisons géographiques, économiques ou culturelles »*.

Le programme englobe différents appels à projets avec une priorité dans les domaines de l'internet des objets, de l'intelligence artificielle, des médias de demain, des technologies interactives, des technologies du langage et de l'inclusion. Des subventions en cascade, à hauteur de 270 millions d'euros, permettront de soutenir des équipes de chercheurs ou des start-up à travers de courts cycles de recherche, avec pour objectif de mettre en œuvre rapidement les résultats de la recherche sur le marché. RINA bénéficie de ces financements, notamment à travers le projet ARCFIRE dont l'objet est de démontrer de manière expérimentale et à grande échelle les avantages clés de cette nouvelle architecture de réseau. ARCFIRE poursuit le programme de recherche sur l'internet du futur (Future Internet Research and Experimentation, FIRE+) de la Commission européenne ainsi que le développement de RINA, mené à travers deux programmes de recherche, FP7-IRATI et FP7-PRISTINE, ayant bénéficié des investissements antérieurs du septième programme-cadre (FP7) de la Commission européenne pour 2007-2013.

© 2019-2022 NGI4ALL

Co-funded by the Horizon 2020 Framework Programme of the European Union

Depuis janvier 2019, « The Next Generation Internet Outreach Office (NGIO) », piloté par Martel Innovate en Suisse, TIPIK en Belgique et FundingBox en Pologne, coordonne les activités de communication, de diffusion, de marketing pour l'initiative NGI, en Europe et au-delà, et promeut ses travaux, notamment à travers le site web ngi.eu : *« Nous aidons les projets à collaborer et fournissons un point de contact unique pour ceux qui souhaitent rejoindre et participer à l'initiative Next Generation Internet. »*

« MALHEUREUSEMENT, LA FRANCE EST EN BAS DE LA LISTE DES PAYS INTÉRESSÉS PAR RINA » LOUIS POUZIN

À la question de savoir quelles seraient les solutions pour remédier aux dérives actuelles du web, Louis Pouzin répond *« qu'il faudrait tout simplement un nouvel internet, qui permette d'offrir des services sécurisés, un Internet basé sur les besoins des gens, à l'abri des monopoles internationaux et des* fake news. *C'est l'idée du projet RINA, lancé par l'américain John Day, auquel je collabore. Malheureusement, la France est en bas de la liste des pays intéressés par RINA ».*

© 2019-2022 NGI4ALL

Co-funded by the Horizon 2020 Framework Programme of the European Union

	Sources : • « Recursive Internetwork Architecture », en.wikipedia.org. • « Next Generation Internet », ec.europa.eu/futurium/en/next-generation-internet. • « La "Pouzin society": Faut-il revenir au départ pour sauver l'Internet ? », Jean-Michel Cornu, Lemonde.fr, 15 mai 2009. • « Moving beyond TCP/IP », Fred Goldstein et John Day The Pouzin Society, April, 2010. • « The last waltz and moving beyont TCP/IP », John Day, Fred Goldstein et John Nolan, The Journal of the Institute of Telecommunications Profesionals, Volume 5 – Part 3 – p.42, 2011. • « A Survey of the Research on Future Internet Architectures » Jianli Pan, Subharthi Paul, Raj Jain, Washington University, IEEE Communications Magazine, July 2011. • « T-5: Alternatives to TCP-IP tutorial », John Day, Lou Chitkushev (Boston University) Eduard Grasa (Fundació i2CAT) Francesco Salvestrini (Nextworks) Dimitri Staessens (iMinds), IEEE Globecom 2014, December 8, 2014. • « Louis Pouzin: "Internet est bâti sur un marécage" », Emmanuelle Paquette, Lexpansion.lexpress.fr, 15 février 2015. • « Recursive InterNetwork Architecture, Investigating RINA as an Alternative to TCP/IP (IRATI). », Gras, Eduard & Bergesio, Leonardo & Tarzan, M & Trouva, Eleni & Gaston, Bernat & Salvestrini, Francesco & Maffioni, V & Carrozzo, Gino & Staessens, Dimitri & Vrijders, Sander & Colle, Didier & Chappel, A & Day, J & Chitkushev, Building the future internet through FIRE (p. 491–520), January, 2016. • « Next Generation Internet Initiative – Consultation », Final Report, David Overton, Commission européenne, ec.europa.eu, March 6, 2017. • « Charles Hoskinson (IOHK) announces plans to adopt RINA as part of the Cardano blockchain », pouzinsociety.org/node/53, December 12, 2017. • « NGI Study – FIF meeting report – Next Generation Internet » European Commission Directorate General for Communications Networks, Content and Technology, SMART 2016/0033, Nlnet Fondation, Gartner, https://nlnet.nl/NGI/reports, January 29, 2018. • « Next Generation Internet Forum 2018 Report », Claire Doble et Dr. Monique Calisti, Martel Innovate, ngi.eu, HUB4NGI, September, 2018. • « RINARMENIA, ou l'Internet de demain », Courrier.am, 26 avril 2019.
Domain	https://la-rem.eu/

Co-funded by the Horizon 2020 Framework Programme of the European Union

Date	**May 26, 2019**
Title	NGI SESSION AT IOTWEEK: DIGITAL SIGNATURES FOR MARKETPLACES
Url	https://www.theinternetofthings.eu/ngi-session-iotweek-digital-signatures-marketplaces
Profile/ Areas covered	Network of stakeholders working on IoT issues, organised into a Council. Areas: Internet of Things
Outreach	Members (of "IOT Council"): 547

© 2019-2022 NGI4ALL

Co-funded by the Horizon 2020 Framework Programme of the European Union

Full Text	**NGI SESSION AT IOTWEEK: DIGITAL SIGNATURES FOR MARKETPLACES** 26/05/2019-09:08 SOURCE Digital Signatures for services (banking, payment, energy, education, care, mobility, connectivity…) and Digital Signatures for architectures (virtual and analogue enablers of connectivity) are defined by stakeholders that organize themselves, ICANN style, without any commercial intent to take profit elsewhere. They are a tool to complement current actions on procurement and local agency as in this kind of SLA it does not matter that the original data sets and analytical platforms are not under your control. In this manner local stakeholders are a priority part of building the next layer of value, naming the new entities that are formed when AI inspired intelligence starts to see patterns unrecognizable before. In order to create open service creation platforms (for example take the learnings with you in/of a connected car), free flow of data is not enough. In line with the @NGI4EU work on 'event identities' (temporary identities awarded to actors like persons, objects, robots and processes) the next level to address is how to create free flow of 'meaning', thus open API's for algorithms and ethical standards in AI. This session will then be about co-creating procedures for building Digital Signatures for Marketplaces. Marketplace are instrumental for new data-driven business models. We assume Open Marketplaces will benefit from network effects. • How can we onboard companies with leading data marketplaces such as Verisk Analytics, Chordant, ConVEx, Ford Mobility Europe, Hyundai Motor America, Uber Movement Cities? • How are the concepts of data utility and datatrust as bottom-up mechanisms whereby data-subjects choose to pool their data within the legal framework of the Trust, relevant? Delacroix, Sylvie and Lawrence, Neil, Disturbing the 'One Size Fits All', Feudal Approach to Data Governance: Bottom-Up Data Trusts (October 12, 2018). Available at SSRN: https://ssrn.com/abstract=3265315 or http://dx.doi.org/10.2139/ssrn.3265315 Bas Boorsma: Towards a Data Utility https://tasc.world/towards-a-data-utility/
Domain	https://www.theinternetofthings.eu/

Co-funded by the Horizon 2020 Framework Programme of the European Union

Date	**July 1st, 2019**
Title	NGI FORUM 2019'A DAVETLİSİNİZ
Url	https://www.hacettepettm.com/4721-2/
Profile/ Areas covered	Hacettepe University is a major state university in Ankara, Turkey. Renowned for its Medical Centre and academic credentials in the medical field. Also has faculties of Economic and Administrative Sciences, Law, Education, Engineering, Fine Arts, Letters, and Science. Areas: Research, Academic
Outreach	n/a
Full Text	**NGI FORUM 2019'A DAVETLİSİNİZ** **Tarih:** 01 Tem 2019 Yeni Nesil İnternet Teknolojileri (Next Generation Internet-NGI) alanında önemli etkinliklerden biri olan The Next Generation Internet Forum 2019 25 Eylül 2019'da Finlandiya'nın başkenti Helsinki'de düzenlenecektir. Foruma katılım ücretsiz olup kayıt olunması gerekmektedir. Kayıt olmak için lütfen tıklayınız. NGI Forumu, çeşitli araştırma ve inovasyon alanlarındaki çalışmaları ile geleceğin internetini tasarlama ve iyileştirme yolunu açan aktörleri bir araya getirmeyi amaçlamaktadır. NGI Forum, Yeni nesil internet, veri yönetiminde insan merkezli yaklaşım, çevrimiçi kimlik çözümleri, yapay zeka, kolektif zeka, yazılım ve donanımda güvenilir ürünler, blokzincir ve daha fazlası dahil olmak üzere çeşitli disiplinlerden önde gelen uzmanlarla bilgi paylaşımı için önemli bir fırsattır.

© 2019-2022 NGI4ALL

Co-funded by the Horizon 2020 Framework Programme of the European Union

	NGI forumuna katılarak: Alaninda uzman kişileri dinleyerek son araştırma trendlerini takip edebilir, KOBİ'ler, yeni başlayanlar, endüstri oyuncuları, politika yapıcılar ve sivil toplum kuruluşları ile serbest fikir alışverişlerinde bulunabilirsiniz. Forumun ana hedefleri: Yeni Nesil İnternet girişimini ve hedeflerini tanıtmak, NGI paydaş ekosistemine araştırmacıları, KOBİ'leri ve girişimleri, endüstri oyuncularını, politika yapıcıları ve sivil toplum kuruluşlarını bir araya getirmek, H2020 NGI alanındaki açık çağrılara nasıl katılacağınız konusunda rehberlik etmek. NGI FORUM 2019 hakkında daha fazla bilgi için lütfen tıklayınız. Etkinlik ajandası için lütfen tıklayınız. Sınırlı sayıda katılımcının seyahat masrafları TÜBİTAK tarafından karşılanacaktır. TÜBİTAK Ufuk2020 Seyahat Destekleri hakkında daha fazla bilgi için lütfen tıklayınız.
Domain	https://www.hacettepettm.com/

Co-funded by the Horizon 2020 Framework Programme of the European Union

Date	**July 12, 2019**
Title	HELSİNKİ'DE NGI 2019 FORUM'U
Url	http://www.ktu.edu.tr/tto-duyuru25902
Profile/ Areas covered	Karadeniz Technical University is a public research university in Trabzon, in the Black Sea region of Turkey. Areas: Academic Research
Outreach	n/a
Full Text	 **HELSİNKİ'DE NGI 2019 FORUM'U** NGI FORUM 2019 Yeni Nesil İnternet Teknolojileri (Next Generation Internet-NGI) The Next Generation Internet Forum 2019 25 Eylül 2019 tarihlerinde Finlandiya'nın başkenti Helsinki'de düzenlenecektir. **Etkinliğe Katılmanın Yararları:** Çeşitli disiplinlerden önde gelen uzmanlarla bilgi paylaşımı için bir fırsattır. NGI Forumu, NGI topluluğuna katılmak, fikir alışverişinde bulunmak, yeni işbirlikleri geliştirmek ve Avrupa'nın Yeni Nesil İnternet girişimini büyütmek için eşsiz bir fırsat. **NOT:** Üniversitemizin Ufuk2020 projelerine katılımını arttırmak amacıyla yapılan bu hazırlık çalışmasında etkinliğe başvuru süreci ile ilgili **KTÜ TTM uzmanları** tarafından destek sağlanmaktadır. Kayıt ücretsiz ve zorunludur 1500 avroya kadar tüm harcamalarınız **"TÜBİTAK Ufuk2020 Seyahat Desteği"** ile karşılanmaktadır. **Seyahat Desteği Hakkında Ayrıntılı Bilgi İçin Tıklayınız.** **Seyahat Desteği Başvurusu Sayfası İçin Tıklayınız.** **Etkinlik Hakkında Ayrıntılı Bilgi:** NGI FORUM 2019 hakkında daha fazla bilgi için lütfen tıklayınız. Etkinlik ajandası için lütfen tıklayınız.
Domain	http://www.ktu.edu.tr/

© 2019-2022 NGI4ALL

Co-funded by the Horizon 2020 Framework Programme of the European Union

Date	**September 11, 2019**
Title	Internet, quinta Call di Next Generation: disponibili 5,6 milioni per il triennio 2019-2021
Url	https://www.ildenaro.it/internet-quinta-call-next-generation-disponibili-56-milioni-triennio-2019-2021/
Profile/ Areas Covered	Il Denaro is a daily newspaper distributed in the Campania region that covers economics, politics, jobs and markets. Areas: Economy/Economic Issues, General Assignment News, People in Business, Regional Business News, Politics
Outreach	Audience reach/circulation: 17 000
Full Text	**Internet, quinta Call di Next Generation: disponibili 5,6 milioni per il triennio 2019-2021** Da **ildenaro.it** - 11 Settembre 2019 La Next Generation Internet lancia la quinta Call "NGI Zero Discovery". Il bando si pone come obiettivo la creazione di un internet aperto ed affidabile per chiunque. Mette a disposizione una somma pari a 5.6 milioni di euro, su un periodo di 3 anni, dal 2019 al 2021, per ottenere dei miglioramenti nell'ambito della ricerca e della scoperta attraverso la proposta di nuove idee e tecnologie. Le proposte progettuali devono avere un costo compreso fra 5.000 e 50.000 euro, con possibilità di cifre superiori se il potenziale del progetto è molto elevato. L'obiettivo è comprendere che internet non deve essere una black box. Viene spesso paragonato ad un cervello, e come tale necessita anche di diversità e creatività per funzionare al meglio. La ricerca e la scoperta sono bisogni umani basici e fondamentali, e sono necessarie tecnologie nuove per poterli soddisfare in modo corretto.

© 2019-2022 NGI4ALL

Co-funded by the Horizon 2020 Framework Programme of the European Union

Domain	ildenaro.it

© 2019-2022 NGI4ALL

Co-funded by the Horizon 2020 Framework Programme of the European Union

Date	September 20, 2019
Title	NGI Forum 2019 plantea un internet más humano como objetivo de futuro
Url	https://www.europapress.es/comunicados/sociedad-00909/noticia-comunicado-ngi-forum-2019-plantea-internet-mas-humano-objetivo-futuro-20190920124532.html https://es.paperblog.com/ngi-forum-2019-plantea-un-internet-mas-humano-como-ob futuro-5571344/ http://valencia-business.es/2019/09/21/ngi-forum-2019-plantea-un-internet-mas-hum como-objetivo-de-futuro/ https://www.estrelladigital.es/articulo/comunicados/ngi-forum-2019-plantea-internet-r humano-como-objetivo-futuro/20190920141302386935.html https://galiciadigital24horas.com/ngi-forum-2019-plantea-un-internet-mas-humano-c objetivo-de-futuro/ https://sevilla24horas.com/ngi-forum-2019-plantea-un-internet-mas-humano-como-o de-futuro/ https://barcelonadigital24horas.com/ngi-forum-2019-plantea-un-internet-mas-human objetivo-de-futuro/ https://asturias24horas.com/ngi-forum-2019-plantea-un-internet-mas-humano-como- de-futuro/ https://www.palenciadigital24horas.com/ngi-forum-2019-plantea-un-internet-mas-hu como-objetivo-de-futuro/ https://bilbaodigital24horas.com/ngi-forum-2019-plantea-un-internet-mas-humano-c objetivo-de-futuro/ https://www.islasbaleares24horas.com/ngi-forum-2019-plantea-un-internet-mas-hum como-objetivo-de-futuro/ http://cronicadecantabria.com/cr/ngi-forum-2019-plantea-un-internet-mas-humano-c objetivo-de-futuro/ http://noticiasdeinternet.es/ngi-forum-2019-plantea-un-internet-mas-humano-como-o de-futuro/ http://diariofinanciero.com/ngi-forum-2019-plantea-un-internet-mas-humano-como-o de-futuro/ http://www.startup365.fr/ngi-forum-2019-plantea-un-internet-mas-humano-como-obje futuro/ https://www.capital.es/2019/09/20/ngi-forum-2019-plantea-un-internet-mas-humano- objetivo-de-futuro/

© 2019-2022 NGI4ALL

Co-funded by the Horizon 2020 Framework Programme of the European Union

	http://catalunyanoticies.com/comunicado/37309-ngi-forum-2019-plantea-un-internet-mas-humano-como-objetivo-de-futuro.htm https://andorranoticies.com/comunicado/37076-ngi-forum-2019-plantea-un-internet-mas-humano-como-objetivo-de-futuro.htm https://tarragonanoticias.com/comunicado/14696-ngi-forum-2019-plantea-un-internet-mas-humano-como-objetivo-de-futuro.htm http://madrid-noticias.com/comunicado/39855-ngi-forum-2019-plantea-un-internet-mas-humano-como-objetivo-de-futuro.htm https://www.que.es/ultimas-noticias/ngi-forum-2019-plantea-un-internet-mas-humano-como-objetivo-de-futuro.html http://noticiasdeocio.es/ngi-forum-2019-plantea-un-internet-mas-humano-como-objetivo-de-futuro/ http://noticiasemprendedores.es/ngi-forum-2019-plantea-un-internet-mas-humano-como-objetivo-de-futuro/ https://www.europapress.es/comunicados/sociedad-00909/noticia-comunicado-ngi-forum-2019-plantea-internet-mas-humano-objetivo-futuro-20190920124532.html https://www.bolsamania.com/nota-de-prensa/empresas/ngi-forum-2019-plantea-un-internet-mas-humano-como-objetivo-de-futuro--7029288.html https://sticknoticias.com/ngi-forum-2019-plantea-un-internet-mas-humano-como-objetivo-de-futuro/ http://www.notasdeprensa.es/1207487/ngi-forum-2019-plantea-un-internet-mas-humano _1 https://www.comunicae.es/nota/ngi-forum-2019-plantea-un-internet-mas-humano_1-1207487/ http://noticiasdeinformatica.es/ngi-forum-2019-plantea-un-internet-mas-humano-como-objetivo-de-futuro/ https://www.elconfidencialdigital.com/articulo/comunicados/ngi-forum-2019-plantea-internet-mas-humano-como-objetivo-futuro/20190920104005131299.html
Profile/ Areas Covered	Agencia Europa Press is an international news agency with news covering economy, sports, television, culture, and society from several different regions in Spain. Areas: Europe, Foreign Affairs, International News, Breaking News
Outreach	Europa Press Facebook followers: 837213 Valencia Business UVPM: 6853 Estrella Digital UVPM: 266194 Capital UVPM: 40669 Qué Diario Facebook followers: 265452 Bolsomania UVPM: 1195980 Stick Noticias Facebook followers: 208 El Confidencial UVPM: 8658123

© 2019-2022 NGI4ALL

Co-funded by the Horizon 2020 Framework Programme of the European Union

	See more details in the deliverable D3.2 - 1.1.1 Branded content and banners in specialized media
Full Text	**NGI Forum 2019 plantea un internet más humano como objetivo de futuro** Publicado 20/09/2019 12:45:32 CET **Con el crecimiento de Internet también se ha erosionado la confianza en su uso. Razones como transacciones no seguras en línea o repositorios de datos personales que pueden ser fácilmente accedidos por terceros lo han permitido. Surge así la iniciativa Next Generation Internet que busca crear una Internet centrada en las necesidades humanas y en devolver el control de sus datos a las personas. El NGI Fórum es el lugar de encuentro para todos los líderes que desean hacer de estas propuestas una realidad** **Hacia un Internet más humano** Internet, que es desde hace un tiempo el emblema del motor de la tercera revolución industrial, está tan firmemente arraigado en la rutina diaria que generalmente se da por sentada en la vida. Prácticamente, todas las actividades que se realizan, como viajar, comprar, buscar recomendaciones, pagar impuestos, entre otras, están facilitadas por productos o servicios online. Además, con el Internet de las cosas, el contenido multimedia y las redes sociales, Internet ofrece un acceso sin precedentes a datos y a servicios en línea. Sin embargo, la confianza en Internet también se ha deteriorado, y considerando que ésta es el pilar fundamental para la aceptación de tecnologías, se hace evidente la necesidad de rediseñar Internet en términos de seguridad, transparencia, descentralización, inclusión e inteligencia colectiva. **Qué es Next Generation Internet** Reimaginar y rediseñar Internet para las necesidades futuras, mientras se sigue utilizándolo para dirigir las sociedades y economías, requiere un inmenso esfuerzo colaborativo. Esta colaboración debe responder a los retos de restaurar la confianza, garantizar la protección de los datos personales, procurar la privacidad y seguridad, combatir la desinformación en línea, garantizar el acceso y la libertad de elección, respetar los derechos fundamentales y reforzar la sostenibilidad y ética en el diseño de las plataformas digitales. Es así como se contempló y consolidó la iniciativa Next Generation Internet (NGI), de la Unión Europea, la cual a través de medidas de financiación y la adaptación de políticas, busca llevar el desarrollo de Internet hacia una Red más Humana. **El Next Generation Internet Forum 2019**

© 2019-2022 NGI4ALL

Co-funded by the Horizon 2020 Framework Programme of the European Union

Es la oportunidad para aprender sobre investigación y desarrollos tecnológicos por parte de los mejores expertos, de discutir acerca de los desafíos de internet con responsables de políticas, y de acceder a información sobre oportunidades de financiación europeas. El NGI Fórum reunirá a responsables políticos, innovadores y a la sociedad civil para **hablar de las prioridades y desafíos para construir un mejor Internet para todos.**

Durante una conferencia dinámica de un día, se cubrirán temas referentes al uso de la investigación y la innovación para garantizar la diversidad, la democracia y la seguridad en Internet; esto va mucho más allá de lo que generalmente se aborda en una conferencia tecnológica. Aquí la agenda detallada: https://www.ngiforum.eu/agenda/ Los ponentes son líderes en su campo en instituciones públicas, investigación, innovación y los negocios. Un representante de alto nivel del **Ministerio de Transporte y Comunicaciones de Finlandia** abrirá el Fórum y dará la perspectiva de Finlandia y la Presidencia de la UE sobre el tema.

Pia Pakarinen, representante de la ciudad de Helsinki dará la perspectiva de una capital sobre el papel de internet y la innovación digital para mejorar los servicios públicos y aumentar la participación de los ciudadanos. **Roberto Viola**, Director General de la Comisión Europea en DG Connect, compartirá una visión de cómo Europa está invirtiendo en un 'Internet de los Humanos'.

Martin Wezowski, Jefe de Diseño, Futurista y Director de Innovación de SAP, compartirá sus pensamientos sobre la mecánica y la dinámica del cambio en la era de Internet.

Las sesiones de paneles contarán con la experiencia de los expertos que están dando una nueva forma a Internet con un enfoque centrado en el ser humano; se presentarán los primeros resultados de los proyectos de NGI y las oportunidades de financiación en curso, y se discutirá sobre cómo mejorar la gobernanza de datos.

Los talleres profundizarán y buscarán la opinión de los participantes sobre identidad electrónica, inteligencia colectiva, marcas de confianza de NGI y Blockchain.

Una sesión dedicada a financiación de la UE informará a los asistentes sobre futuras oportunidades en el marco de Horizonte 2020. El NGI Fórum 2019 tiene como objetivo facilitar las conexiones y sentar las bases para futuras colaboraciones.

El Fórum también presentará un concurso para estudiantes de secundaria en Helsinki para que presenten sus ideas sobre aplicaciones móviles en beneficio de la sociedad.

El espacio es limitado, así que registrarse hoy

Participar en el NGI Fórum 2019 es GRATUITO, pero el espacio está limitado a los primeros inscritos. No hay que arriesgarse a perder esta oportunidad. Registrarse hoy. El NGI Forum 2019 en Helsinki (25 de Septiembre de 2019) se organiza con el apoyo de la Comisión Europea, junto con la conferencia MyData 2019 **en Helsinki (26-27 de Septiembre de 2019)**, un evento oficial de la Presidencia de la UE en Finlandia. Más información en www.ngiforum.eu.

© 2019-2022 NGI4ALL

Co-funded by the Horizon 2020 Framework Programme of the European Union

	La Comunidad de Next Generation Internet La comunidad está dirigida a los innovadores de Internet, a los que visualiza como agentes de cambio para lograr una Internet más Humana. Patrocina la investigación e innovación para soluciones alternativas por parte de talentos que desarrollarán tecnologías en línea con la visión de la Next Generation Internet, proporcionándoles fondos que pueden acortar significativamente el ciclo de investigación y el tiempo de salida al mercado. La comunidad también brinda un entorno de oportunidades para networking, mentoría de negocios, y oportunidades de investigación como residentes. El objetivo es conformar una comunidad vibrante de innovadores de Internet y de todas las partes interesadas en un objetivo común: construir un "Internet de los Humanos". Acceso a la comunidad de NGI en https://community.ngi.eu/ **Nota a los editores** Next Generation Internet (NGI) es una iniciativa de la Unión Europea que tiene como objetivo dar forma al desarrollo de Internet en el marco de un "Internet de los Humanos" que responda a las necesidades fundamentales de las personas, incluida la confianza, la seguridad y la inclusión, y refleje los valores y las normas que se disfrutan en Europa. **Contactos** Email: press@ngi.eu Portavoz: Dr. Monique Calisti Press pack: https://www.ngiforum.eu/toolkit/ Facebook and Twitter: @NGI4EU #NGIFORUM19 **Contacto** Nombre contacto: David Seoane Vilariño Descripción contacto: Teléfono de contacto: 679892970
Domain	https://www.europapress.es/comunicados/

© 2019-2022 NGI4ALL

Co-funded by the Horizon 2020 Framework Programme of the European Union

Date	**September 27, 2019**
Title	RESHAPING THE INTERNET THROUGH COLLECTIVE AND NETWORKED INTELLIGENCE
Url	https://www.evensi.com/ngi-forum-2019-helsinki-wanha-satama/310592074
Profile/ Areas covered	Website/App that lists events close to users, based on their interests. From their website: “Evensi is where you find events you like wherever you are. Tons of events are added daily all around the world, you just have to choose those which suit you the best.” Areas: Events, Event promotion
Outreach	Number of App downloads on Google Play: 100k+ 40 million users / year 10 million event organisers using the site/App 55 000 cities covered

© 2019-2022 NGI4ALL

Co-funded by the Horizon 2020 Framework Programme of the European Union

Full Text	# NGI Forum 2019 @ Helsinki **Wednesday 25** September 2019 9:00 AM - 7:30 PM Hosted by **NGI Initiative** ☆ **Add to favorites** ## RESHAPING THE INTERNET THROUGH COLLECTIVE AND NETWORKED INTELLIGENCE The **NGI Forum** is the flagship annual event presented by the **Next Generation Internet (NGI)** initiative. It is an opportunity to share knowledge with leading experts from a variety of disciplines. The NGI Forum is a unique chance to join the NGI community, exchange ideas, develop new collaborations and grow Europe's Next Generation Internet initiative. The 2019 NGI Forum will consist of Keynote speakers, roundtable discussions and parallel workshops on key NGI topic areas.

© 2019-2022 NGI4ALL

Co-funded by the Horizon 2020 Framework Programme of the European Union

	REGISTRATION IS FREE AND MANDATORY. **Sign up to our newsletter to be updated on the latest agenda of NGI Forum 2019 and don't forget to join our community!** International Symposium 2020 - CAR T Day Ad 4th French International Symposium on CAR T Cells car-t-day.com The **#NGIForum19** is organised by the NGI Outreach Office in collaboration with **My Data**, with contributions from the NGI Forward, NGI EXPLORERS, Think NEXUS, and TETRA projects. #NGI #internet #HumanizedInternet #AI #IOT #EC #H2020 Extend your stay in **Helsinki and join some 1000 representatives of business**, tech, legal and social sectors to create actionable solutions for fair data sharing at **My Data 2019**. * Note that the registration to NGI **Forum is free**. To attend the full MyData 2019 conference (25-27 September), get your ticket on https://mydata2019.org/tickets/
Domain	https://www.evensi.com/

Co-funded by the Horizon 2020 Framework Programme of the European Union

Date	**October 1st, 2019**
Title	NGI Forum 2019: Building a human-centric internet for the future
Url	https://visuon.com/s/ngi-forum-2019-building-a-human-centric-internet-for-the-future/
Profile/ Areas covered	Startup established in 2017. From Facebook profile: "We create 360° Virtual Reality training solutions, focusing on industrial companies and higher educational institutions." Areas: Technology, Virtual Reality, Education
Outreach	Facebook followers: 150
Full Text	*NGI Forum 2019: Building a human-centric internet for the future* by Kelly Keodara | Oct 1, 2019 | Industry News | 0 comments Data intelligence has become a buzz phrase in which all things internet and technology have circulated around in the past few years. There looms a fear that the data that is being produced daily on the web cannot be tamed in time or efficiently enough. This forum included topics surrounding privacy issues, trustmarks, blockchains, AI and international policies. As the machines are thriving, we humans must not forget to bring forth what technology cannot — human value.

© 2019-2022 NGI4ALL

Co-funded by the Horizon 2020 Framework Programme of the European Union

	NGI Forum is hosted annually by the European Commission, to bring together experts from all realms of business, tech, legal and social sectors to discuss matters pertaining to how to proceed forward for the safe and ethical usage of the internet. The main topic that was discussed was that we are so focused on the technology, that we forget to add the emotional intelligence from our natural human-centered behavior. Nowadays, every aspect of technology which transcends into our daily lives is automated and mass-produced in so that humans are losing the touch that makes us human. Francesca Bria, Senior Advisor of Digital Cities and Digital Rights for the United Nations, states that we must not forget about the people. When we put people before technology, greater good will come from it, rather than vice versa. Another aspect of the future of internet is our mindset. Jaana Sinipuro, Project Director at SITRA, claims that particularly in Finland, "companies are afraid to try because we are afraid of taking chances". This viewpoint and mindset needs to be changed into daring to try and being open to change. She believes that Finnish companies can lag behind the rest of the world due to this way of thinking. If we are to change the future of internet and technology for the betterment of society, there must be forward thinking and proactive decisions. Meeri Haataja, CEO of Saidot, recounts a story about doing business in the United States. When an innovative idea is set on the table in the States, there is no hesitation in moving onward with the implementation. It is important to think on the matter, but more important to act on it. The action is what initiates progress. As Martin Wezowski, Chief Designer and Futurist at SAP, suggests: Every day, wake up and ask yourself this question — WTF? What's the future? Create solutions that will be the most empathic symbiosis between machine intelligence and human ingenuity. There is still much left to do. Let's get to work.
Domain	https://visuon.com/

Co-funded by the Horizon 2020 Framework Programme of the European Union

Date	**November 23, 2019**
Title	Neo partners with LEDGER to help develop next-generation internet
Url	https://neonewstoday.com/general/neo-partners-with-ledger-to-help-develop-next-generation-internet/
Profile/ Areas covered	Neo is an open-source, community-driven platform that is leveraging the intrinsic advantages of blockchain technology to realize the optimized digital world of the future. Areas: Software, Financial Services, Internet Service provision
Outreach	Facebook followers: 30 478

© 2019-2022 NGI4ALL

Co-funded by the Horizon 2020 Framework Programme of the European Union

Full Text	Neo has announced it has joined the decentraLizEd Data Governance for nExt geneRation internet (LEDGER) Supportive Partner network to help build the next generation internet (NGI). As the blockchain industry has evolved from focusing on coins to chains, Neo founder and Neo Global Development (NGD) CEO, Da Hongfei, believes that the next emphasis will be on NGI. Neo joins the Supportive Partner network alongside a variety of start-ups, technology development organizations, and blockchain entities such as the Ethereum Foundation and the IOTA Foundation. ## About LEDGER The LEDGER entity was established in November 2018 and aims to "promote alternative models where data is a common good owned by citizens and wealth created by data-driven platforms is equally distributed." The European Union (EU) subsidizes the program and aims to distribute up to €200,000 to projects at an equity-free rate. In addition to funding, LEDGER provides a "venture builder program," which provides assistance for teams that seek to build projects that support blockchain, peer-to-peer, or distributed ledger technologies. Through the program, teams receive up to 12 months of access to business mentors, camps, technological vouchers, training, and demo days. Each team that is successful in its application to the program will also receive an "expert researcher" in the LEDGER residence to assist the team through the entirety of the program. Currently, LEDGER has opened its second round of applications and is seeking 32 projects that intend to build minimum viable products (MVP). The second open call is running from November 1st, 2019, through January 20th, 2020. LEDGER is seeking proposals that will impact the following verticals: - Health - Economy - Mobility - Public Services - Energy and Sustainability - Open Innovation Terms and the application process can be found at the link below: https://ledger-2nd-open-call.fundingbox.com/

© 2019-2022 NGI4ALL

Co-funded by the Horizon 2020 Framework Programme of the European Union

Domain	https://neonewstoday.com/

© 2019-2022 NGI4ALL

Co-funded by the Horizon 2020 Framework Programme of the European Union

Date	**November 27, 2019**
Title	Tecnologia incentrata sull'uomo: in Sicilia sedici startup da tutta Europa
Url	http://www.radiostartmeup.it/tecnologia-incentrata-uomo-sicilia-sedici-startup-tutta-europa/
Profile/ Areas covered	From Facebook page: "Start Me Up è il podcast che racconta l'innovazione sociale e tecnologica del Sud Italia. Da maggio 2013 il programma raccoglie le storie di progetti, startup e iniziative promosse da chi ha deciso di costruire qualcosa di nuovo e ha la caparbietà di portarlo avanti." Areas: Projects, Innovation trends, Technology
Outreach	Facebook followers: 2 862

© 2019-2022 NGI4ALL

Co-funded by the Horizon 2020 Framework Programme of the European Union

Full Text

Tecnologia incentrata sull'uomo: in Sicilia sedici startup da tutta Europa

15 days ago Fabio Bruno

Dal 28 ottobre al 8 novembre 2019 a Milazzo, in provincia di Messina si è svolto il bootcamp del progetto europeo NGI Ledger. Ledger, un acronimo che sta per DecentraLizEd Data Governance for nExt geneRation internet è un progetto che mira a riportare i cittadini a essere nuovamente padroni dei propri dati. **Lo scopo è quello di mettere l'uomo come centro rispetto alla tecnologia e non viceversa.** È una iniziativa di un consorzio formato da vari enti tra cui la fondazione olandese dyne.org ed è finanziata attraverso i soldi dell'Unione Europea.

Al bootcamp hanno partecipato le 16 startup che hanno vinto il primo bando promosso all'interno di questo progetto. Siamo andati a vedere cosa hanno presentato a Milazzo, all'interno del salone della fondazione Lucifero e lì abbiamo incontrato alcuni di loro.

Metodologie incentrate sull'uomo

La persona che ha condotto i lavori di questo bootcamp è una vecchia conoscenza di Start Me Up: Federico Bonelli. Federico che più volte è passato dai nostri microfoni da tempo lavora nel campo della sperimentazione artistica attraverso Trasformatorio. In questo caso, sempre per conto di dyne.org ha attuato la stessa metodologia applicandola però al mondo dell'innovazione e delle startup. Ha infatti condotto i sedici gruppi (otto a settimana) per la provincia di Messina invitando i partecipanti a entrare in contatto con le persone del posto e facendo conoscere loro alcune eccellenze del territorio. È quindi capitato che persone da ogni parte d'Europa hanno avuto la possibilità di conoscere da vicino l'esperienza dei quindici del Birrificio Messina, oppure vedere come Newtron Italia elettrifica i motori di ogni tipo di automobile.

© 2019-2022 NGI4ALL

Co-funded by the Horizon 2020 Framework Programme of the European Union

Ledger Boocamp – iGive2 and Synergy from LEDGER on Vimeo.

I risultati sono nelle risposte che mi hanno dato David Franquesa di Electronic Reuse e Antonis Faras di Sociality. Spagnolo il primo e greco il secondo, sono gli altri due ospiti di questo podcast. **Con Electronic Reuse David mette a disposizione una piattaforma che permette a chi vuole recuperare strumentazione elettronica di seguire l'intero ciclo di vita del dispositivo.** Per lui è stato importante conoscere e confrontarsi con gli studenti e il personale amministrativo del principale Istituto Tecnico di Milazzo "E. Majorana" perché ha avuto modo di toccare con mano il proprio target di riferimento. **Lo stesso possiamo dire per Antonis Faras di Sociality che al momento è impegnato nella realizzazione di una piattaforma informatica che aiuti le cooperative a gestire tutti gli aspetti burocratici e amministrativi**. Parlare con i soci del Birrificio Messina ha – ci ha detto – avuto un grosso impatto sul suo progetto e la sua visione di questo mondo.

Fino a 200k per idee che mettano la tecnologia al centro dell'uomo

Quelli che trovate nel podcast sono solo due delle sedici idee selezionate in questo primo bando di NGI Ledger. **Scopo dell'intero progetto è aiutare chi ha un'idea che permetta di decentralizzare la distribuzione dei dati a realizzare un primo MVP da rilasciare in modalità Open Source. Siamo quindi nell'ambito di sistemi che sfruttino la tecnologia blockchain, il peer to peer o distribuite su tecnologia ledger.** Le idee devono avere lo scopo ultimo di preservare la privacy dei propri utenti, l'apertura e la possibilità di gestire in modo autonomo i dati di ogni cittadino.

C'è una seconda call che è stata lanciata a inizio novembre e scadrà a fine gennaio. **In palio ci sono fino a 200k di contributo Equity Free**. Tutte le informazioni sono sul sito ufficiale.

Domain	http://www.radiostartmeup.it/

© 2019-2022 NGI4ALL

Co-funded by the Horizon 2020 Framework Programme of the European Union

3 NEXT STEPS AND CONCLUSION

2020: NEW STRATEGY FOR THE PRESS
PRESS MEETING @ THE EUROPEAN COMMISSION

To launch the press activities for 2020, a press meeting was organised at the European Commission premises on Wednesday, 15.01.2020, 9:30-11:00 CET.

With the presence of the NGI Outreach Office team and the European Commission team, the main challenges and needs in terms of press support were discussed.

The main points discussed and agreed were

The Target countries for 2020
- Germany with the German presidency and possible NGI Forum 2020
- Eastern countries

Media strategy
- Promoting what is happening in a country – promoting the good stories and results
- Strengthen the positioning of NGI as a key initiative in Europe and ensure overall knowledge from the stakeholders

Reach objectives for 2020
- At least one big newspaper
- Specialized tech press (wired and tech crich, acm)
- The policy/innovation press (politico)
- Local press

PRESS GUIDELINES AND STRATEGY FOR THE PROJECTS

Including the projects in the press strategy is essential. It is therefore foreseen to present a process that can be enforced by NGI OO in order to get the input from all projects officer.

To further help the NGI outreach office, we will set up a ready-to-use template document, called project abstracts, with an aim:
- to structure the information needed for media outreach purposes
- to support NGI project holders in their media relations

To prepare these 3-page maximum project abstracts, the Outreach Office needs the following items:
- Your project name, references, contact details

© 2019-2022 NGI4ALL

Co-funded by the Horizon 2020 Framework Programme of the European Union

- Your business areas (sectors)
- The general context where your project is positioned
- Your research fields / innovation
- The motivation behind your research: general impacts expected, reasons of being, timing
- Your project progress & milestones (frequently updated)
- A detailed estimation of expected results, economic, social, political impacts, etc.

Please share any visual material (photos and videos) enhancing the attractiveness of these abstracts.

On a bi-monthly basis, project holders will be kindly asked to share any updates on the above items with NGI OO.

Project holders are requested to mention NGI as a supporting programme in their media relations and communications. When it comes to media outreach, they're kindly asked to share any press outcomes with NGI4ALL:

- Media relations achievements (clippings, etc.)
- Past, ongoing and upcoming media activities (that the outreach office can follow and enhance)
- Lessons learnt and recommendations to support the community

This monitoring is supported by the NGI outreach Office through a set of calls for media outcomes.

FOCUS: EIC HORIZON PRIZE 'BLOCKCHAINS FOR SOCIAL GOOD' FINALISTS' DAY

The event 'BLOCKCHAINS FOR SOCIAL GOOD' FINALISTS' DAY appeared to be a good event to promote the NGI initiative through real projects, portraits and stories.

A strategy was created for this event (not happened yet at the time of the writing of this deliverable)

The aim is to come up with 24 stories (i.e. approx. 3-page documents) showcasing:

- Founder name and biography
- Pictures and videos available
- Vision and tackled social issues
- Difficulties encountered
- Impact information (on their market, in their country, etc.)
- Ready-to-use quotes
- Contact details

© 2019-2022 NGI4ALL

Co-funded by the Horizon 2020 Framework Programme of the European Union

To achieve this, the Outreach Office will use available material and complete it with immediate requests to project founders.

With regards to award winners, in addition to above-listed items, a media pack will be created and will include a zip folder available “under embargo” till the official announcement, with the 3 following elements: project picture, ceremony picture, press release.

The objectives of this specific media activity are:

- To showcase finalists
- To showcase innovation and promote it
- To help participants/ application who will not get a prize to get visibility
- get other funding’s or support

On the spot, the aim is to have at least one attendee from the media sector (either blogger, journalist, editor or columnist).

The Outreach Office team will, at the same time, create 24 “mini databases” focusing on each finalist by crossing key data that are country/technology used/impact.

CONCLUSION

NGI4ALL is always keeping track of the media outcomes and will update the media clipping every 2 months.

The Cision tool, used for the media database and press release launching will be used to receive all NGI mentions across the press.

An important effort will be made in 2020 to reach the KPI of at least 40 media clippings (including big ones) across all channels and newcomers on the project will be followed through the brand watch tool queries for specific mentions.

In this perspective, the most important press releases (NGI Forum 2020 or important EU calls) will be translated in some (or all) EU languages depending on the needs.

All partners and projects will be involved in press activities throughout the year to leverage communication activities at a local level.

© 2019-2022 NGI4ALL

Co-funded by the Horizon 2020 Framework Programme of the European Union

ANNEXES

Annex 1: Press release NGI Forum 2019 – English version
Annex 2: Press release NGI Forum 2019 – Finnish version
Annex 3: Press release NGI Forum 2019 – Spanish version
Annex 4: Press release NGI Forum 2019 / My Data 2019
Annex 5: List of questions for the video interviews filmed at the NGI Forum 2019

© 2019-2022 NGI4ALL

Co-funded by the Horizon 2020
Framework Programme of the European Union