

# RAYUELA NEWSLETTER



Newsletter Issue 2 | April 2021 | HORIZON 2020 Programme | Contract No. 882828

Nearly three quarters of the EU citizens use the internet in their daily lives. Some of them, and maybe you belong to these 76%, feel worried about cybercrime, which occurs on every day basis. The numbers for this type of crime raised so much recently that in some of the European member states it is half of the crimes, which are being committed in their various forms. These crimes can not only take advantage of your devices, stealing your money, compromising your data or identity, but some of them can also cause serious harm to their victims, especially to the most vulnerable ones.

The RAYUELA project (01/10/2020-30/09/2023) focuses on cybercrime, which has a significant cross-border impact among the EU countries, but also outside the EU. Specifically, it is addressing the cybercrime related to children, teenagers and young adults, which happen to be one of the most vulnerable populations in the EU, who must be protected and nurtured to stay safe online. RAYUELA proposes the use of serious games as an innovative solution to help the EU in the prevention, investigation and mitigation of cybercrime related to connected devices, online grooming, cyberbullying, and human trafficking, while incorporating the perspective of gender and cultural diversity. Moreover, one of the main issues to be tackled in RAYUELA will be the defence of fundamental rights, especially the right to privacy online. The project brings together key stakeholders to secure the impacts at EU level and beyond.

Each of the issues, which we face throughout RAYUELA, can be critical for the future generations. This is both stressful and exciting for all the members of our team, but we are confident that we will serve the cause and deliver the goals, which we set up, and we would like to do it together with you. Do you want to join us in this exciting adventure? If so, stay connected with us through the project web page and social media.

Best wishes, Team Rayuela



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## WHAT YOU WILL FIND IN OUR NEWSLETTER

<b>PROJECT IN NUTSHELL</b>	<b>3</b>
<b>CONSORTIUM</b>	<b>4 - 6</b>
<b>RAYUELA NEWS</b>	<b>7 - 12</b>
<b>UPCOMING EVENTS</b>	<b>13</b>
<b>OUTREACH</b>	<b>14</b>



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# PROJECT IN A NUTSHELL



RAYUELA aims to bring together law enforcement agencies (LEAs), sociologists, psychologists, anthropologists, legal experts, computer scientists and engineers, to develop novel methodologies that allow better understanding the factors affecting online behaviour related to new ways of cyber criminality, as well as promoting the potential of these young talents for cybersecurity and technologies.



RAYUELA's main goal is to better understand the drivers and human factors affecting certain relevant ways of cybercriminality, as well as empower and educate young people (children and teenagers primarily) in the benefits, risks and threats intrinsically linked to the use of the Internet by playing, thus preventing and mitigating cybercriminal behaviour.



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RAYUELA proposes a series of solutions to help the EU in the prevention, investigation and mitigation of cybercrime related to online grooming, cyberbullying and human trafficking, while incorporating the perspective of gender and cultural diversity.



Dissemination of the project's activities and results are essential for the successful exploitation of the innovative solutions developed by RAYUELA. RAYUELA's innovations offer high replicability across the EU. The need to raise awareness across value chains is directly related to the success of the project.



RAYUELA's consortium brings together 17 partners from 9 different EU Member States (ES, BE, SK, EE, PT, UK, GR, LV, DE). The consortium has been built with great care, looking for a group of excellent partners with proven expertise and who can fully provide the necessary know-how in the fields addressed by the project.

3



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# CONSORTIUM

## COMILLAS PONTIFICAL UNIVERSITY

Universidad Pontificia COMILLAS is a Catholic university located in Madrid (Spain) that has been administered for over a century by the Society of Jesus. ICAI is COMILLAS Engineering School, focused on industrial and telecommunication engineering. In this project, ICAI will be represented by its Institute for Research in Technology, that will provide their expertise in cybersecurity and data analytics. On the other hand, CIHS, COMILLAS Humanities and Social Sciences School, will provide their expertise in psychology, criminology, and anthropology.

## TECHNICAL UNIVERSITY OF MADRID

UPM's team working in RAYUELA forms part of the Research Group on Telecommunication Network and Services and Internet (RSTI). Our group has a long experience in European and national R&D projects, as well as in collaborations with public organizations and private entities. Currently, our main research activities are focused on the areas of Cybersecurity and Internet of Things (IoT).

## TECNALIA FOUNDATION RESEARCH AND INNOVATION

We are senior researchers working in Tecnalia in the areas of the user experience, human factors and gamification, including game design techniques. We design, develop and validate the experience from the user perspective from the beginning of a design and development process in order to provide users with the best experience when interacting with applications.

## TIMELEX

Timelex is a leading niche law firm based in Brussels, specialised in the legal aspects of information technology (IT), privacy & data protection (GDPR), intellectual property, and media & electronic communications. Every day we strive to match law and innovation.

## BRATISLAVA POLICY INSTITUTE

BPI is an independent, not-for-profit think tank dedicated to fostering liberal democracy, human rights in the CE region, and European integration through analysis and debate, supporting and challenging relevant stakeholders in national and international level to make informed decisions based on evidence and analysis

## THE CENTRE FOR ETHICS, UNIVERSITY OF TARTU

The Centre for Ethics, University of Tartu is a consortium of the University of Tartu, founded in 2001 to conduct interdisciplinary research in subjects related to ethics, to promote the teaching of ethics at the university, to raise awareness of ethics among the public, to inform the public about ethics issues, and to encourage members of the public to engage in discussions about values and norms. The faculties that participate in our work are as follows: faculty of arts and humanities, faculty of social sciences, faculty of medicine and faculty of science and technology

4



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## **POLÍCIA JUDICIÁRIA**

Polícia Judiciária (PJ) is the Portuguese higher criminal police body, hierarchically organized under the aegis of the Ministry of Justice. PJ is the national criminal investigation police agency of Portugal, focused in fighting serious crimes, including homicides, kidnapping, organized crime, terrorism, illegal drug trade, corruption, cybercrime and financial crime. PJ's mission consists of assisting the judicial and prosecuting authorities with investigations, by developing and promoting preventive, detection and investigative actions. PJ will ensure end-user participation and vision and will work on requirements definition, execution cooperation and validation on results.

## **POLICE SERVICE OF NORTHERN IRELAND**

Police Service of Northern Ireland (PSNI) is the Law Enforcement Agency in Northern Ireland. Our vision is to build a safe, confident and peaceful Northern Ireland. Policing with the Community is about understanding and responding to the human impact of policing. Our purpose is about creating a partnership in which policing reflects and responds to the community's needs and in which our community plays an active part in delivering a solution.

## **VALENCIA LOCAL POLICE**

More than 1,600 police officers form the Valencia Local Police (PLV). Overall, it is one of the most active local police forces in Spain, due to its continuous innovation in new technologies. The Centre of Security and Emergencies (CISE) is the best example of innovation in police management thanks to the use of ICTs tools. Moreover, it is a great test bed for pilot experiences and tests. PLV has managed (as a leader or a partner) 30 successful European projects from different programmes (H2020, 7th FP of R+D in Security, Lifelong Learning Programme, Prevention and Fight against Crime, Daphne III, Civil Protection Financial Instrument, Criminal Justice, etc.).

## **TILDE**

Tilde drives innovation in European language technologies to support languages in the digital age and enable multilingual communication. By using the latest cutting-edge AI-driven technologies, Tilde develops neural machine translation systems, intelligent virtual assistants and speech technologies.

## **GHEENT UNIVERSITY**

Ghent University is a top 100 university and one of the major universities in Belgium. Our 11 faculties offer more than 200 courses and conduct in-depth research within a wide range of scientific domains. Ghent University Global Campus is also the first European university in Songdo, South Korea.

## **ELLINOGERMANIKI AGOGI**

EA is a Greek school incorporating a Research and Development Department with a solid record in the fields of formal and informal learning, game-based education, school innovation, STEAM and social inclusion, aiming at empowering learners and teachers to thrive in a landscape of unprecedented challenges.



# CONSORTIUM

## UNIVERSITY COLLEGES LEUVEN-LIMBURG

University Colleges Leuven-Limburg UCLL participates in Rayuela with the Teacher Education Department and its educational research unit Expertise Centre Art of Teaching – Vakdidactiek. The Centre aims at developing subject pedagogical expertise in various education areas. Within the philosophy of the Centre, the teachers take up a central position in the educational process as an inspiring and unifying force.

## ALL DIGITAL

Our focus is to support Europeans who have an insufficient level of digital skills. This means they have less chances to find work, to use online services, to have a better quality of life, to be included in today's society. We believe that every European should be able to exploit the benefits and opportunities created by digital transformation. Our mission is to empower our member organisations representing non-formal education providers to support millions of Europeans to succeed in the digital transformation by providing them with training and advice.

## ZABALA INNOVATION CONSULTING

With a 35 year experience in R&D activities, Zabala is committed to innovation from within, by participating and managing a large number of European Projects. Our areas of expertise include Smart Cities (transport, environment, materials and energy), ICT (open data, security, mobile and IoT), Health (biotech, chemistry and agri-food), and technologies aimed at improving production processes and products across different industrial sectors.

## ESTONIAN POLICE AND BORDER GUARD BOARD

Estonian Police and Border Guard Board is a police authority, with more than 5000 people working in the name of internal safety. EPBG is developing cooperation with other national authorities, local government units, public organizations, citizens and their communities, other countries and international law enforcement bodies.

## NEC LABORATORIES EUROPE

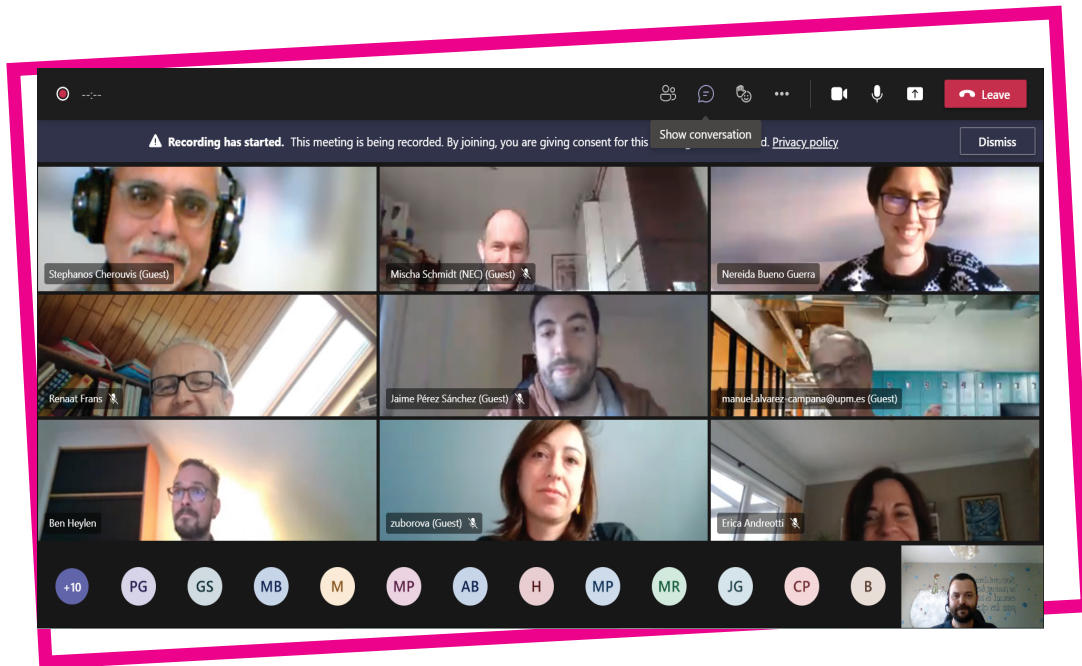
NEC Laboratories Europe GmbH, located in Heidelberg, Germany was established in 1997. Since then we have been constantly fueled by new ideas and are passionate about bringing them to the real world. Among us there are researchers and experts from more than 25 countries, half of which are PhD holders, who have contributed to our excellent reputation in Europe. A defining attribute of NEC Laboratories Europe is our inclination towards open innovation. We collaborate with universities, research institutes, other corporate research centers and potential users in a co-creation mode, leading to breakthrough innovation combined with market-orientation.

6



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## 2nd CONSORTIUM MEETING 10 MARCH 2021

The second Consortium Meeting was organized on the 10th of March by Comillas and due to the remaining COVID-19 situation it had to take a place in online form. Main aim of the meeting was to connect with all the colleagues and partners and follow up with the activities from each workpackage. Leaders of the workpackages explained in detail the state of progress, activities, risks, obstacles, and future development. Each participant had the opportunity to openly discuss and share their ideas, doubts or questions with the leaders of the project consortium and the leaders of the work packages. Although online, we still have time to get to know each other better and keep building our great team in a virtual cocktail after the meeting.

## 2nd CONSORTIUM MEETING 10 MARCH 2021

### KICK OF MEETING AGENDA:

#### 1. Introduction

Gregorio López, COMILLAS

#### 2. Technical Session I.

Nereida Bueno, COMILLAS, WP1 Building  
A Knowledge Base on Cybercrime Drivers  
for Children & Young Adults

Manuel Álvarez, UPM, WP2 Technology  
assessment and IT threat landscape

#### 3. Technical Session II.

Viera Žúborová, BPI, WP7 Communication,  
Dissemination & Training for Cybercrime  
Prevention & Awareness

Pieter Gryffroy, TIMELEX, WP4, Online  
Privacy, Data Security & Ethics

Gregorio López & María Reneses,  
COMILLAS, WP9, Ethics Requirements

#### 4. Technical Session III.

Gregorio López & Violeta Vázquez,  
COMILLAS, WP8, Project Management

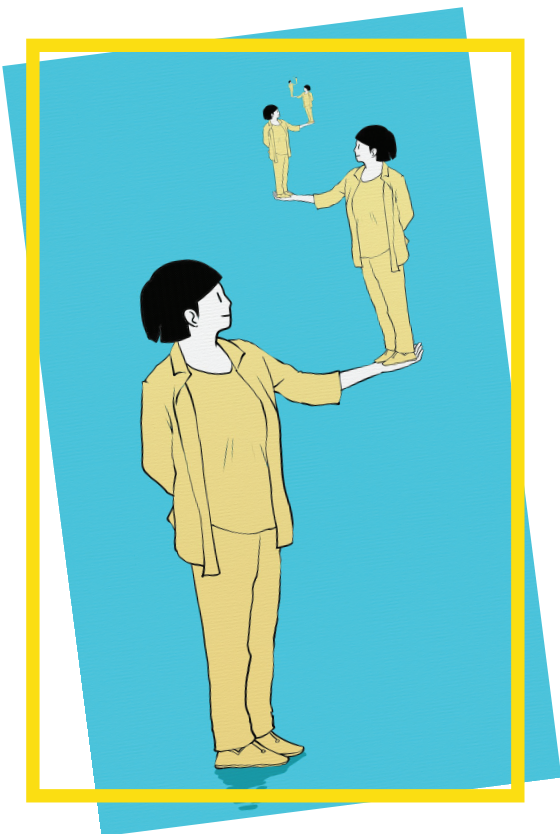
Ana Moya, TECNALIA, WP3, Development  
of A Cyberadventure Serious Gaming  
Environment

#### 5. Technical Session IV.

Stephanos Cherouvis, EA, WP5, Gathering  
Insights Via Pilot Studies Across the EU

Gregorio, López, COMILLAS, WP6, Data  
Analysis & Interpretation on Profiles from  
Young Victims & Offenders

#### 6. Networking (Virtual cocktail)





## CC-DRIVER

### RAYUELA LEGAL AND ETHICAL WORKSHOP 21st of January 2021

Workshop for the RAYUELA consortium to present and discuss the legal and ethical requirements of the project. The workshop consisted of a combination of theory, scenarios and case studies and aimed to both raise awareness, educate the partners, and clarify open issues. The workshop was lead by TIMELEX team, our legal experts inside the consortium, and count with the participation of the University of Tartu team, our ethics experts inside the consortium.

### CC-DRIVER LEA WORKING GROUP 11th of February 2021

RAYUELA's LEAs participated for the first time in the LEA Working Group led by our sister project CC-DRIVER. The second edition of the CC-DRIVER LEA Working Group conference call, organized by Valencia Local Police, who participates both in CC-DRIVER and RAYUELA, discussed one of the key topics of RAYUELA: online grooming. Seven LEAs from four EU countries (Germany, Greece, Portugal, and Spain) and the United Kingdom participated and shared their experiences on this issue. Some of the key takeaways of such a meeting were along the following lines: (1) LEAs can become more important actors in this context by increasing their role as intermediaries; (2) There is consensus on the effectiveness of AI and Big Data to fight online grooming; (3) Proper data sharing by LEAs is crucial in fighting online grooming; (4) There are currently no links of online grooming and human trafficking in the mentioned countries.

For further information, please visit: <https://www.ccdriver-h2020.com/post/online-child-grooming-during-the-pandemic-from-an-lea-perspective>



### **JOINT MEETING WITH OUR SISTER PROJECT CC-DRIVER**

**11th of March 2021**

Networking meeting between CC-DRIVER team and RAYUELA team took place on 11th of March. After a short introduction of both projects leaders Gregorio López (RAYUELA) and David Wright (CC-DRIVER), specific teams explained their roles and responsibilities within each work packages. In the following discussion both teams were looking for synergies and common strategies, which could not only help the project developments, but also help to connect both projects together. We not only think, but we are sure that this is the beginning of a beautiful friendship.

### **EUROPEAN COMMISSION PROJECT-TO-POLICY KICK-OFF SEMINAR (P2PKOS)**

**22nd of March 2021 and 23rd of  
March 2021**

RAYUELA's project coordinator Gregorio López participated, on behalf of the RAYUELA project, in the 2nd Project-to-Policy Kick-Off Seminar (P2PKOS) organized by the European Commission. It was a very intense and interesting one day and a half seminar. The first day was focused on communication, dissemination, and exploitation. Among other topics, it was highlighted the importance of having a crisis management plan and the challenge of innovation uptake, and some useful EC tools for dissemination and exploitation, such as the Horizon Service Boosters, were presented. The second day was organized in breakout sessions where the participant projects presented themselves, shared thoughts and opinions with REA Project Officers and EC Policy Officers, and discuss possible solutions to common challenges related to strengthen the collaboration between projects and with the EC. RAYUELA participated in the FCT breakout session together with the following projects: AIDA, CC-DRIVER, DARLENE, EXFILES, GRACE, Icarus, INFINITY, and RISEN. Sharing data among projects and contributing to the policy lifecycle stand out among the identified challenges. It was great to know more about other on-going projects and to have a fruitful discussion with them and with the EC representatives. Indeed, one of the takeaways of the seminar was that the EC is looking forward to collaborating with research projects and that research projects can count with their support to solve and overcome any issue.

10



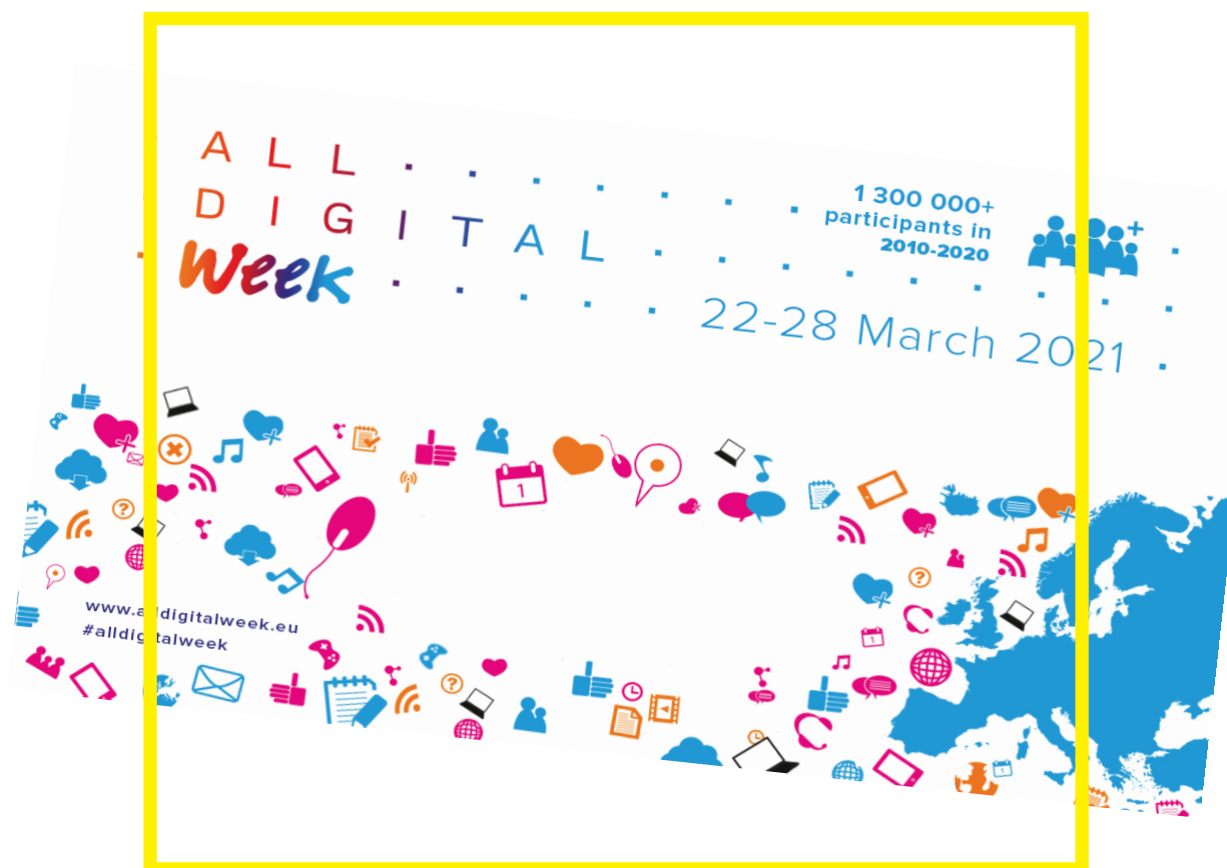
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## ALL DIGITAL WEEK 2021

**From the 22nd of March to the 28th of March 2021**

RAYUELA's partner ALL DIGITAL celebrated their flagship annual event ALL DIGITAL WEEK between the 22nd of March and the 28th of March. ALL DIGITAL WEEK is an annual digital inclusion and empowerment campaign run at digital competence centres, libraries, community centres, schools and other venues across Europe. Every year it helps 100,000 Europeans to learn and be inspired by what technology can do for them. ALL DIGITAL WEEK will be, without a doubt whatsoever, a key communication and dissemination event during RAYUELA's lifecycle.



## CYBERTECH GLOBAL UAE-DUBAI 6th of April 2021

Valencia Local Police was presenting RAYUELA at CYBERTECH GLOBAL UAE-DUBAI. This 8th edition of the renowned international exhibition and conference is the LARGEST networking event for the cyber industry outside of the U.S. Consisting of a grand exhibition hall and a cutting-edge conference, Cybertech Global boasts hundreds of companies, startups, government entities and organizations from countries worldwide. It has high-level speakers in the sector such as General David H. Petraeus (Ex-Director of the CIA), Wesley K. Clark (former NATO), or Tamir Pardo (Ex-Chief of Mossad), and also from the European Commission, the Head of Cybersecurity and Digital Privacy Police was participating in this event.

For further information, please visit: <https://cybertechconference.com>.



## UPCOMING EVENTS

Next CC-DRIVER LEA WORKING GROUP will be held in May and will focus on Awareness campaigns to combat cyberbullying, another of the key topics addressed in RAYUELA.

RAYUELA will be organizing several workshops in the upcoming months on the role of online social media and messaging apps in online grooming, cyberbullying, human trafficking and misinformation and on serious games, so stay tuned!

Valencia Local Police will be presenting RAYUELA in conference ISS World Europe. Social Media/DarkNet Monitoring and Cyber Crime Investigations from the 7th to 9th of December 2021. For further information, please refer to: [https://www.issworldtraining.com/ISS\\_EUROPE/](https://www.issworldtraining.com/ISS_EUROPE/)



13



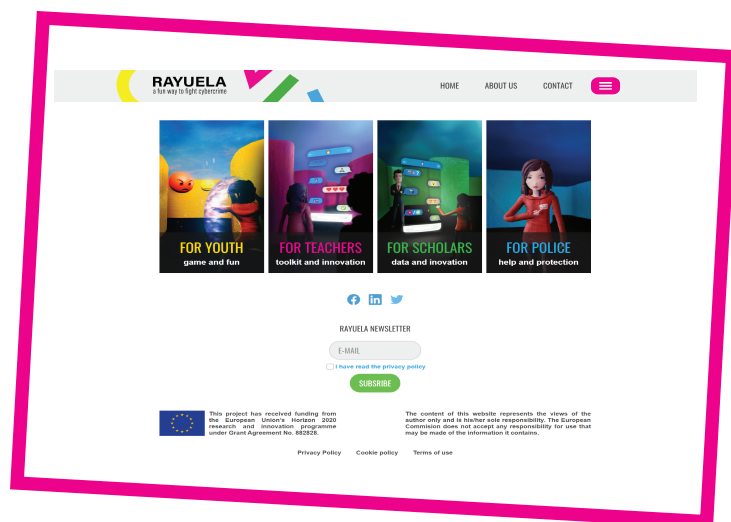
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# OUTREACH

## RAYUELA's WEBSITE IS LIVE

2nd of February 2021

We have chosen Facebook as a relevant platform for engaging citizens at large, but does not allow effective targetization of professionals and stakeholders, therefore it will be mostly used to target wider audience. RAYUELA's Facebook page will also focus at establishing direct communications with target audiences, both in terms of other relevant groups as well as individuals.



## INTRODUCTION VIDEO

31st of March 2021

The graphic video was created in an attempt to introduce the idea behind the project in a more creative and visual way to all target groups, but especially to young people. Visualisation and graphics go hand in hand with the visual identity of the project and graphics used are complementing the first page of the official project website. The video introduces the short story of the youngster facing everyday threats on the internet and shows the possible paths, ways, solutions, and helpers which could cross their way. Video therefore aims to be not only interesting and eye catching, but should also fulfil educational purposes of the project.



14



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## PROJECT DATA

**PROGRAMME:** H2020-SU-FCT01-2019

**Sub-topic 2:** Understanding the drivers of cybercriminality, and new methods to prevent, investigate and mitigate cybercriminal behaviour

**TYPE OF ACTION:** Research and Innovation Action (RIA)

**DURATION:** 36 months (1 oct 2020 – 30 sept 2023)

**PROJECT BUDGET:** € 4 978 040 (EU contribution: € 4 974 290)

**CONSORTIUM:** 17 partners from 9 European countries

**COORDINATOR:** COMILLAS

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