EU-HYBNET

EU-HYBNET 3rd Innovation and Knowledge Exchange Workshop, #IKEW2023

7 NOV
Valencia Local Police HQ, Valencia, Spain

🕐 09.00- 18.00 CET

The purpose of the Innovation and Knowledge Exchange Workshop is to provide practitioners, industry, SMEs, and academia an opportunity to exchange information on challenges to counter hybrid threats and possible innovations to answer them.

The EU-HYBNET consortium will hold its 3rd Innovation and Knowledge Exchange Workshop (#IKEW2023) on 7 November 2023 in Valencia, Spain!

This third and final edition of EU-HYBNET's IKEW will present innovations identified during the project's ongoing third cycle which correspond to the gaps and needs pan-European security practitioners face when countering hybrid threats. One innovation per project core theme will be presented:

- Future trends of Hybrid Threats
- Cyber and future technologies
- Resilient civilians, local level, and administration
- Information and strategic communications

The workshop will serve as a forum where practitioners can engage with innovation providers. It will ensure the exchange of knowledge and information about innovations to increase the likelihood of future uptake.

Who? EU-HYBNET Partners, stakeholders, EAB members, network members, and interested innovation providers, industry, SMEs and NGOS, according to registration check.

When? 7th of November 2023 at 09.00-16.30 CET

Where? Valencia Local Police Headquarters, Avenida del Cid / Avinguda del Cid 37, Valencia, Spain **and** online

Registration: Open online until 24 October 2023: https://forms.office.com/e/feugwA56Je

More information: Contact the event host at proyectosplv@valencia.es

Agenda

Time CET	Topic	Speaker
08:30-09:00	Registration	
Plenary session		
09:00-09:15	Welcome & Opening remarks	*José Vicente Herrera Arrando* Chief of the PLV *Jesús Carbonell Aguilar* City Council Member representative of the PLV
09:15-09:30	**Keynote Speech #1:** Considerations on "Innovation Uptake"	*Giannis Skiadaresis* SSRI Area Coordinator, DG HOME, European Commission
09:30-09:45	**Keynote Speech #2**	*Francisco Alonso Batuecas* Head of ICT Infrastructure and Security, Security Technology Centre (CETSE), Secretary of State for Security
09:45-10:15	Results of Innovations Mapping and Assessment (3rd EU-HYBNET Cycle)	*Souzanna Sofou*, SATWAYS *Okke Lucassen*, TNO
10:15-10:30	Audience Q&A	**Moderator:** *José L. Diego* Head of the Innovation & Project Management Division, Valencia Local Police
10:30-10:45	Coffee Break	
Parallel Breakout Sessions		
10:45-12:15	**Breakout Session #1:** Cyber and future technologies **Innovation:** STARLIGHT EU Project – way forward with AI transformative impact on security domain	**Moderator & Presenter:** *Evaldas Bružė* Deputy Director, Head Innovations' Architect, Lithuanian Cybercrime Center of Excellence for Training, Research & Education (L3CE)
	Breakout Session #2: Information and strategic communications **Innovation:** VIGILANT EU Project	*Eva Power* VIGILANT Project Manager, ADAPT Centre, Trinity College Dublin *Oisin Carroll* VIGILANT Technical Coordinator, ADAPT Centre, Trinity College Dublin **Moderator:** *Päivi Mattila* EU-HYBNET Project Coordinator, Laurea UAS

12:15-13:15	Lunch Break	
	Parallel Breakout Sessions	
13:15-14:45	**Breakout Session #3:** Resilient civilians, local level, and administration **Innovation:** CONNECTOR EU Project	*Javier Moreno García* Maritime Officer, Customs and Coast Guard, Spain (DAVA-AEAT) **Moderator:** *Gunhild Hoogensen Gjørv* The Arctic University of Norway (UiT) *Isto Mattila* EU-HYBNET Innovation Manager, Laurea UAS
	Breakout Session #4: Future trends of Hybrid Threats **Innovation:** AI transformative implications on security research and emerging security practitioners' needs	**Moderator & Presenter:** *Evaldas Bružė* Deputy Director, Head Innovations' Architect, Lithuanian Cybercrime Center of Excellence for Training, Research & Education (L3CE)
14:45-15:00	Coffee Break	

15:00-16:00	Break-out session outcomes	Break-out session moderators in conversation with:
		• Europol Innovation Lab Representative
		• *Rashel Talukder*
		  Managing Director of the Polish Platform for Homeland Security
		• *José L. Diego*
		  Head of the Innovation & Project Management Division, Valencia Local Police

16:00-16:10	Audience Q&A	
16:10-16:25	Linking innovation providers and practitioners	*Eva Škruba* Capability Manager, EACTDA
16:25-16:30	Closing remarks	*José L. Diego* Head of the Innovation & Project Management Division, Valencia Local Police
16:30-18:00	**Round table discussion:** EU-HYBNET post-project topics	*Päivi Mattila*, LAUREA *Christian Despres*, MTES *Gunhild Hoogensen-Gjorv*, UIT *Souzanna Sofou*, SATWAYS *Julian Theron*, JRC

Break-out sessions

BREAK-OUT SESSION #1

Core theme: Cyber and Future Technologies

Led by: Evaldas Bružė, Lithuanian Cybercrime Center of Excellence for Training, Research and Education (L3CE)

Innovation: STARLIGHT EU Project (GA No. 101021797)

Description: This session will present the work of the STARLIGHT project on AI-powered tools that support LEAs in countering misinformation.

BREAK-OUT SESSION #2

Core theme: Information & Strategic Communication

Led by: Oisin Carroll, VIGILANT Technical Coordinator, ADAPT; Eva Power, VIGILANT Project Manager, ADAPT; Dr. Päivi Mattila, EU-HYBNET Project Coordinator, Laurea UAS

Innovation: VIGILANT EU Project (GA No. 101073921)

Description: VIGILANT will provide Police Authorities with the technical capabilities necessary to combat disinformation and other related forms of harmful content (radicalisation, extremism, hate-speech) linked to criminal activities while at the same time building their institutional knowledge to provide them with an understanding of the social drivers and behavioural dynamics behind the phenomena. The project also includes first-of-its-kind disinformation response and investigation training for police officers. Finally, the project includes setting up a specialist European network for officers to share their experiences and knowledge and to promote a unified European approach to a problem that ignores borders.

Central to the platform is the VIGILANT Toolbox, which contains over 30 state-of-the-art textual, image and video, and network analysis tools developed by partner academic institutions.

Text analysis tools are designed to work with data from social media, blogs and online news sources and will enable PAs to evaluate claims, synthetic (machine generated) text, find protests or calls to action, to understand individuals' stances within a discussion and more. Image and video tools can find if an image or video has been seen previously, detecting symbolism, flags and guns in images, detect facial deep-fakes and manipulated images. Network tools increase understanding of the behaviour both within groups and across groups, and enable detection of coordinated behaviour of different individuals, as well as determining key members of public groups.

These tools, when combined with VIGILANT's novel UI and search and filtering capabilities, enable PAs to do the work they already perform in detecting, evaluating and monitoring disinformation groups in a much more efficient way. It also enables PAs to broaden the scope of their work, to find and monitor more groups and to increase their understanding of ongoing trends.

Website: https://www.vigilantproject.eu/

BREAK-OUT SESSION #3

Core theme: Resilient civilians, local level and national administration

Led by: Mr. Javier Moreno García, AEAT; Dr. Gunhild Hoogensen Gjørv, UiT; Mr. Isto Mattila, EU-HYBNET Innovation Manager, Laurea UAS

Innovation: CONNECTOR EU project (GA No. 101121271)

Description: CONNECTOR's vision is to contribute to the European Integrated Border Management (EIBM) and to the EU Customs Action Plan by addressing the need of close cooperation between Customs, Border and Coast Guard Authorities within the current and upcoming challenging and demanding environment of borders' control by further involving Customs to the Common Information Sharing Environment (CISE) network and Enhanced Common Information Sharing Environment (e-CISE) through the proposed Customs Extended Common Information Sharing Environment (CE-CISE).

CONNECTOR aims for the first time to suggest an integrated, common and shared risk assessment approach for all Border Management Authorities, considering the pan-EU common risk indicators per end user group (Customs, Border and Coast Guards Authorities including FRONTEX), to ensure external EU border and secure EU citizens from cross-border crime and/or secure the seamless flow of travellers, as recommended in the multiannual strategic policy document. Thus, in this sense, CONNECTOR proposal, will design and develop the CONNECTOR system as an interoperable technical environment, ensuring close and practical cooperation and information exchange at all levels. The design and the development of the CONNECTOR system will be based on the analysis of current policy initiatives in EU level (directives, policy and staff documents, guidelines etc.) along with needs, gaps and future views of the end-user groups going beyond previous initiatives (ANDROMEDA, MARISA, EFFECTOR, etc.), complying with the Societal, Ethical and Legal (SoEL) requirements and regulations, following the SoEL-by-design principle.

The CONNECTOR system will be validated in real operational environment, based on well-defined National, Cross-border and Transnational use cases defined commonly by Customs and Border and Coast Guards authorities, during three (3) long lasting trials (Demonstration and Testing) under standardised methodology.

BREAK-OUT SESSION #4

Core theme: Future Trends of Hybrid Threats

Led by: Evaldas Bružė, Lithuanian Cybercrime Center of Excellence for Training, Research and Education (L3CE)

Innovation: Developments and threats related to AI technologies

Description: This session will delve into the latest advancements in AI technology, exploring both the threats and opportunities that arise for practitioners dealing with hybrid threats.

Francisco Alonso Batuecas

Francisco Alonso Batuecas isHead of ICT Infrastructure and Security at the Security Technology Centre (CETSE) of the Secretary of State for Security, Spain. For more than 15 years, he has been responsible for the ICT Infrastructure and Security Department at CETSE (Centro Tecnológico de Seguridad). Master in ICT Management for Defence, by the University of Vigo, University Centre of Defence of the Naval Military School. Some relevant milestones: Director of the projects AlertCops, Lince and Halcón (open source research), Avizor (artificial vision for investigating child sexual abuse crimes); Project Director for implementing the new TIER III+, Data Processing Centre for the Ministry of Interior; Director of the project for the transformation and digitalization of the new-generation workstation of the Ministry of Interior; Creator of the Police Network, a network for exchanging information between the State and Autonomous Community Security Forces in Spain; Representative of Spain in the Security Officer Network (SON) of the European Agency Eulisa; Representative of Spain in the European Cooperation Network on Elections; Responsible for Information Security in Electoral Processes; Coordinator of the Public-Private group on Privacy and Security of Minors on the Internet of the Spanish Digital Agenda; Collaborator and trainer in different organizations: Centro Criptológico Nacional, AECID, Incibe Summer Boot Camp, Professor of the Master in Technology and Digital Innovation in Engineering, by the Spanish National University of Distance Education (UNED) and the College of Spanish Civil Engineers.

Oisin Carroll

Oisin Carroll is an expert at Trinity College Dublin with a range of research interests across machine learning, NLP and computer vision. In particular, he likes working in areas where concrete, data-motivated ideas meet real world function. His work includes studying equivariant properties of neural networks, 3d reconstruction of human anatomy from photos, and text analysis for biomedical purposes as well as in the disinformation space. He also works as a software consultant in game development; helping companies and individuals work on novel rendering techniques, game AI and tooling.

José L. Diego

José L. Diego is an expert-evaluator for the European Commission within different initiatives, including Horizon2020 – Security, EUROPOL Platform for experts, DG JUSTICE Research Programmes, DG HOME Research Programmes, Radicalisation Awareness Network. He began his career as a consultant at Deloitte, and, nowadays, is a Police Inspector, Head of Innovation & Project Management in the Valencia Local Police, from where he has managed +30 projects in topics as diverse as domestic violence, hate crime, honour crime, police mediation and training, community policing, forensics, youth offending, preventing and fighting crime, road traffic, emergencies management, social media and public safety, environmental police, Police ICTs, AI, AR, smartcities, hybrid threats or cybercrime. Furthermore, he has also been a lecturer in multiple international events, OSCE Hate crimes trainer and Liaison officer for the Valencia City Council, Professor for the Police Academy of Valencia, and Professor for two Master in Criminology and for a Master on Human

Resources. He holds Degrees in Law and Criminology and a Master's in Human Resources Management as well.

Gunhild Hoogensen Gjørv

Gunhild Hoogensen Gjørv is Professor in Critical Peace and Conflict Studies (Security and Geopolitics) at the UiT- The Arctic University of Norway, and Arctic 5 Chair in Security Studies (arcticfive.org). Hoogensen Gjørv's research examines comprehensive security dynamics in the context of hybrid threats and warfare, civil-military interaction (out of area operations, and Norwegian total defence), and Arctic perceptions of security focusing on "bottom-up" and intersectional approaches. She leads a variety of projects regarding hybrid threats and civilians, including Resilient Civilians (funded by the NATO Science for Peace and Security Programme), and the recently awarded 1,2 million euro for the FAKENEWS. She is a core theme leader on "Resilient Civilians" for the EU-HYBNET project, and a partner with the THREAT DEFUSER project. More information is available at The Grey Zoneresearch group at UiT. Her publications and media activities can be found at her UiT profile page.

Okke Lucassen

Okke Lucassen obtained his Master of Arts in Conflict and Security Studies at the Brussels School of International Studies, part of the University of Kent. Since 2019, Okke works as a researcher in the Defence, Safety and Security unit of the Netherlands Organisation for Applied Scientific Research (TNO). Prior to joining TNO, Okke worked for the Dutch Ministry of Foreign Affairs with the Department for Security Policy, and he has conducted academic research on EU/NATO-Russia relations with an emphasis on hybrid threats. At TNO he specializes in operational challenges and implications of the technological developments of Unmanned Aerial Systems (UAS) and Counter-UAS, including Artificial Intelligence. In addition, Okke works on various strategic Defence issues, scenario development and analysis, and hybrid threats. Through his work at TNO, Okke advises the Netherlands Ministry of Defence, the Netherlands National Police, the European Union, and NATO.

Iván L. Martínez

Police officer in Valencia Local Police (Spain) since 2002, he studied Agricultural Engineering and Social Work. Currently studying network systems administration and cybersecurity. In the professional field, he has worked in community policing, patrolling, police headquarters - police data analysis -, Security councilour consultancy and finally in the management of researching projects in the security field, being currently project manager in the R+D division of this police force. He has managed PLV's participation in 7 H2020 projects over the last 6 years, and he currently manages 3 projects linked to Domestic Violence, AI, AR and Smart Cities. In addition, hybrid threats are another of the fields in which he is currently researching. As a teacher, he teaches several training courses in various municipalities in the Valencian Community, especially in subjects related to school bullying, cyberbullying and cybersecurity. In addition, he teaches a subject at the Valencian police academy (hate crimes).

Isto Mattila

R&D Director of Laurea University of Applied Sciences, Isto Mattila, has wide working experience covering diverse assignments in different organisations national and international level. He is a Captain Navy, Finnish Border Guard. As from 2008 to 2014 he has worked for the European Commission, DG MARE. He was a second penholder for Maritime Security Strategy and designed new information sharing mechanism (CISE) between maritime authorities in EU, which is now hosted by

EMSA. Today he is responsible for R&D activities, mainly in international scale at Laurea. He is also a project coordinator of the AI-ARC Horizon 2020 project, which aims to build information sharing and anomaly detection to Arctic stakeholders.

Päivi Mattila

Dr. Päivi Mattila holds a position of Director of Security Research Program at Laurea University of Applied Sciences (Finland), and she is responsible for quality and growth and strategic goals of security RD activities. Dr. Mattila is the coordinator of EU H2020 funded EU-HYBNET project. She is a Doctor of Philosophy (General History). Formerly she has worked as the head of the Project and Development Unit at the Crisis Management Centre Finland (CMC Finland) and in the Embassy of Finland in Tel Aviv and in the Finnish Institute in the Middle East alike in the Ministry for Foreign Affairs in Finland.

Javier Moreno García

Maritime Officer in Spanish Customs and Coast Guard (DAVA-AEAT) since 2020, specialized in the field of naval communications, graduate in Mechanical Engineering with more than 10 years of experience in the private sector. He is currently working on several EU Projects, including I-SEAMORE and CISE, and He is a participant of the Maritime Inteligence Community and Risk Analisys Network (MIC-RAN), hosted by FRONTEX. Furthermore, he is RPAS Pilot and Radio electronic officer in the Special Operations Vessels. He is also an active member in all new innovative and technologies projects that DAVA are involved, as our new system of naval communications, radio electronics detectors, satellite detection by images, tracking vessels tools and others I+D projects.

Eva Power

Eva Power is part of the Research Management Team at the Science Foundation Ireland ADAPT Centre for AI driven digital content technology in Trinity College Dublin. Eva is a project manager currently working on the VIGILANT project and KT4D, Knowledge Technology for Democracy, both funded by Horizon Europe. Eva comes from a sociology background and prior to working in ADAPT, she was director at a private commercial company.

Giannis Skiadaresis

Mr. Giannis Skiadaresis is the Area Coordinator for Strengthened Security research and Innovation (SSRI) in the Unit on Security Research and Innovation of DG HOME in European Commission. Mr. Skiadaresis holds an MA in EU International Relations and Diplomacy, from the College of Europe in Bruges where he was a laureate of ENP-EU scholarship awarded by the European Commission. He has also graduated from the Leadership programme of Harvard Kennedy School and from the Strategic Innovation Programme of University of Oxford. He has worked in the Cabinet of Commissioner Avramopoulos on Migration, Home affairs and Citizenship and in other posts at DG HOME in the European Commission. His experience also includes Industrial Policy, New Technologies and Innovation, International relations, security and defence policy, business development and coordination of EU-funded Projects.

Eva Škruba

Eva Škruba is Capability Manager of European Anti-Cybercrime Technology Development Association (EACTDA) for the last two years, where she is responsible for coordination of activities between European public security practitioners and technology providers in the Tools4LEAs project. Before

she worked as a coordinator of EU projects for 12 years, mainly in the higher education area, and she also worked as a teacher for many years. She holds an MA in German Philology.

Souzanna Sofou

Dr. Souzanna Sofou, Senior Research and Innovation Manager at Satways Ltd, is a Dipl. Mining and Metallurgical Engineer and a holder of an MBA in Engineering –Economic Systems. With respect to basic research, her Doctoral Thesis and most of her published research work fall in the fields of computational rheology, rheometry and polymer processing. She has worked in applied research FP7 & Horizon 2020 projects in various fields, including security, new product development, metallurgy, polymer processing, RET modelling, software development and value management. She also has background and experience in Intellectual Property, as she has received relevant training and has worked in this field as a Product Design Engineer for a multinational company. Dr. Sofou has served as the innovation, exploitation and dissemination manager in 3 H2020 projects (PROCETS, z-fact0r, OACTIVE) and as the Innovation Manager in the InDeal H2020 project. For the last years, she has been working in security H2020 projects: as the dissemination & communication manager for the ANDROMEDA project, as the innovation manager for the INGENIOUS & the STRATEGY projects, leading the exploitation of the InfraStress project and the IP Management of the EFFECTOR project, and she was also actively involved in the SATIE project. She is currently working in PCP and EDF projects. Dr. Sofou serves as the EU-HYBNET WP3 Leader: Surveys to Technology, Research and Innovations.

Rashel Talukder

Managing Director at the Polish Platform for Homeland Security. Former employee of Polish Police. Master's degree in Political Science and postgraduate studies in economics. Involved in R&D in security area for more than 10 years. Awarded with bronze medal for services to the Polish Police. Coordinator of European project CYCLOPES – Network of Practitioners Fighting Cybercrime. Interested in national and local government administration. Fan of Shantaram book and Stieg Larsson trilogy.

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More info and updates on the EU-HYBNET project at:

euhybnet.eu

EU-HYBNET LinkedIn Group

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