



EUROPEAN NETWORK OF CYBERSECURITY
CENTRES AND COMPETENCE HUB FOR
INNOVATION AND OPERATIONS

Newsletter

WELCOME TO ECHO!

The ECHO team wasn't idle during the summer holidays either! After the development period of the prototype tools, the preparation and organization of meetings went on, training, and demonstration workshops were held to present the ECHO cybersecurity software to information security professionals, get useful feedback about their use and define the best market implementation strategies for reaching prospective customers.

The ECHO professionals finally managed to meet in person during the General Assembly in Varna, Bulgaria. The developments of the project and outline of the future steps and perspectives were discussed. The ECHO Federated Summer School demonstrated the ECHO Early Warning System for ICT professionals in the energy and healthcare sectors. The second online ECHO workshop presented to the participants a combination of tools for testing the reliability of an IT product before launching it on the market.

ECHO GENERAL ASSEMBLY

Written by Matteo Merialdo
Project Implementation Coordinator, RHEA Group



In June 2022, after the long break due to the pandemic, the ECHO team joined in Varna (Bulgaria) for its first personal General Assembly after two years.

While assessing the status of the project and its main technical achievements, the team started drafting its most ambitious output: the implementation of a complex Demonstration and Validation scenario/exercise including most of the assets developed by the project to simulate a real-life case. Multiple cyber ranges will be federated using the ECHO Federated Cyber Range, while the ECHO Early Warning System will be the main tool to transfer information between different teams, exchange Cyber Threat Intelligence, and foster communication. The ECHO Cyber Skills Framework will be used to prepare training material for the participants, while multiple ECHO Prototypes will be used as attacking and defensive assets. The preparation of this Demonstration Case 7 will take between four and five months and will culminate with a major event in December 2022.

GENERAL ASSEMBLY



**9-10 JUNE,
VARNA, BULGARIA**

Thanks to the personal meeting in Varna, the team could start immediately drafting the new Demonstration Case, with unparalleled enthusiasm!

GENERAL ASSEMBLY FOLLOW-UP

Demonstration Case 7 scenario definition workshop 6-7. September - Lisbon, Portugal

One of the latest ECHO project meetings took place in the beautiful city of Lisbon, where our colleagues got together to discuss and develop the demonstration case to show the benefits of the use of ECHO solutions for cybersecurity incident response, advanced training, and increased situational awareness.

In this General Assembly's follow-up meeting the participants managed to include the other assets - e.g. E-MAF (ECHO Multi-sector Assessment Framework), ECSS (ECHO Security Certification Scheme) and a solid presentation of ECHO's Governance Model in a single coherent narrative; highlighting the project's novelties and added values, such as the automated tools and prototypes for IR in multisector incidents.

The involvement of Bournemouth University's students in the demonstration is a great addition, where they will be able to address interdependent multisectoral incidents based on the training they will receive during the semester.



ECHO FEDERATED SUMMER SCHOOL

By Pavel Varbanov

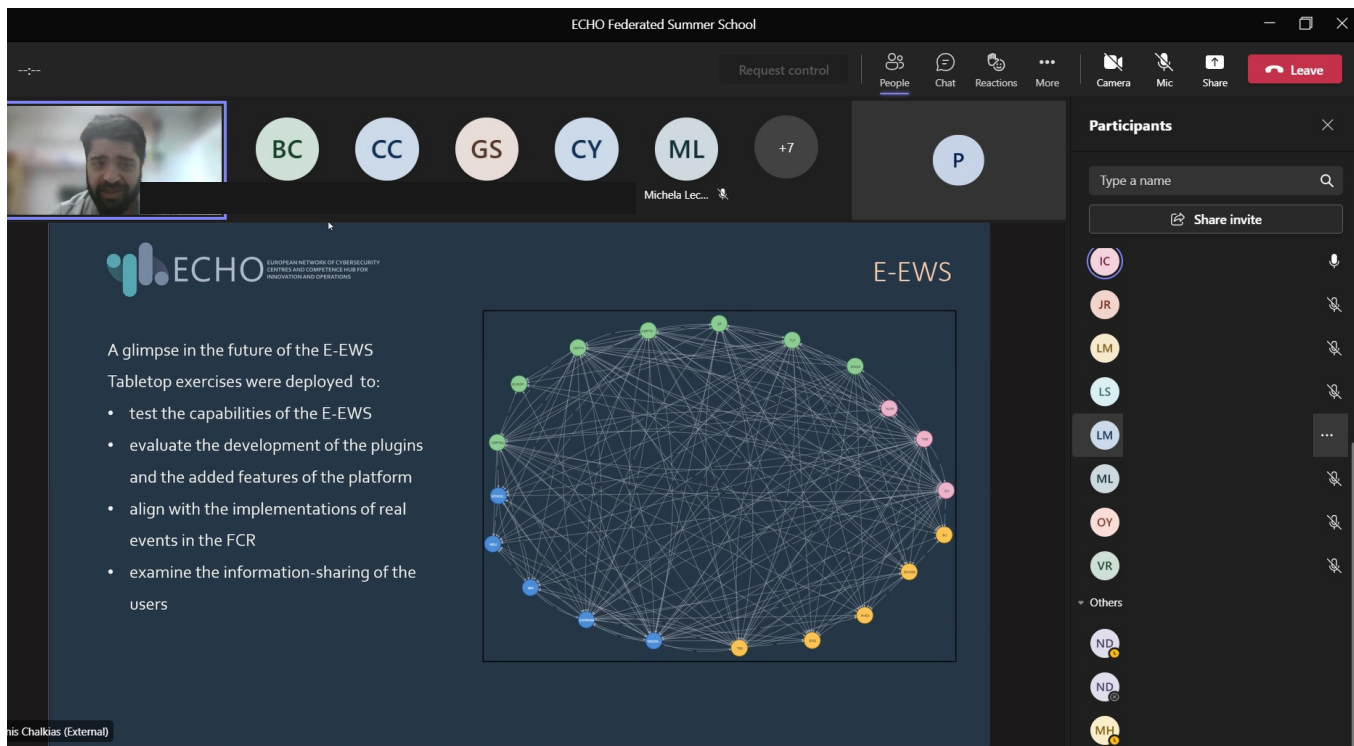


At the end of June 2022 the ECHO consortium organized the third edition of the ECHO Federated School. Twenty participants from 5 European countries attended the modules of the program:

- e-learning course units;
- video demonstrations of healthcare and maritime cyber-attack scenarios;
- cybersecurity implications in the healthcare and maritime transportation sectors;
- introduction in ECHO Early Warning System and threat intelligence processes;
- 2 life tabletop exercises – one in healthcare and one in the maritime sectors.

The ECHO experts provided the learners with access to the ECHO outcomes leveraged for learning purposes – exercise scenarios, e-learning platform, ECHO Early Warning System. The participants attended live presentations and discussed with the cybersecurity professionals the workflows related to the ECHO MOOCs usability, threat intelligence using open source intelligence sources, use cases in the maritime and healthcare sectors, and sharing cyber-threat information in the ECHO Early Warning System.

The mission of the Federated Summer School was to demonstrate sector-specific incident response processes and to support the strategic goal of the EU to build more efficient cyber defense capabilities. The training event focused on the healthcare and maritime sectors, providing theoretical and practical learning content about the industrial and operational challenges.



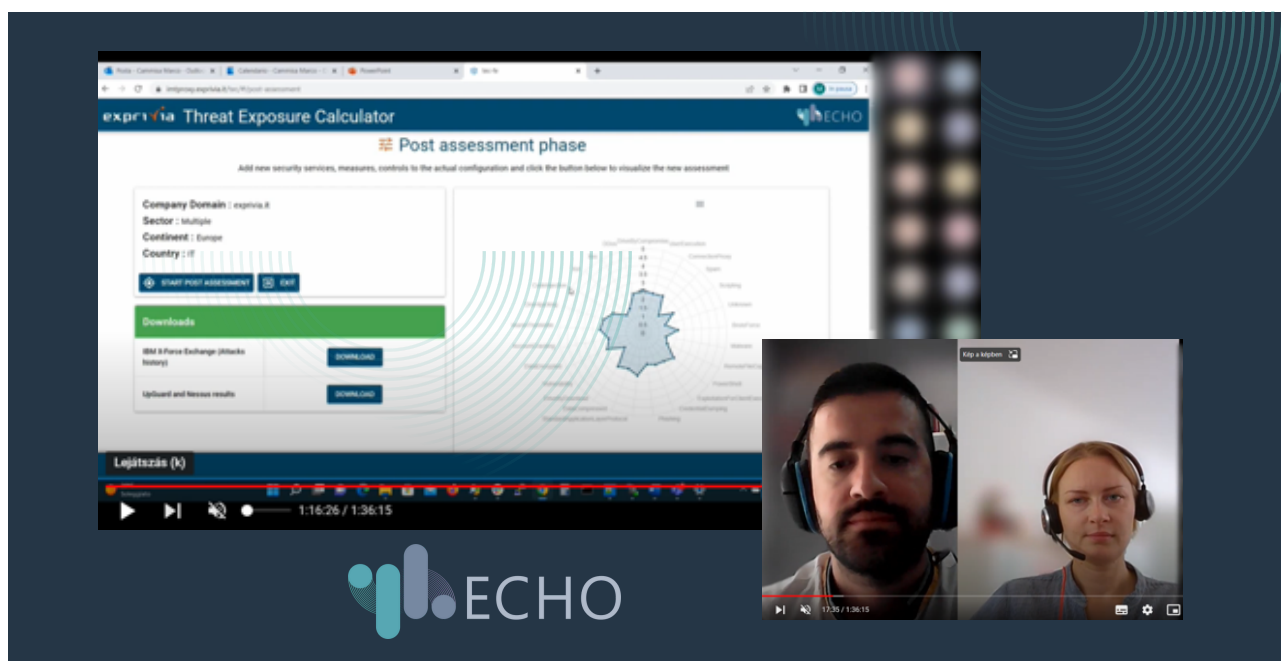
Gaining the experience and lessons from the previous two Federated Schools, the consortium carefully selected the most relevant delivery technologies, tasks for the participants, and the learning context of ICT professionals in hospitals and on board of passenger ships. During the 3-day school, the tutors and learners discussed the generic concepts related to establishing and enhancing the cyber defense capabilities, including:

- threat intelligence and analysis,
- threat monitoring and detection,
- information sharing,
- the threats and vulnerabilities faced by the ICT staff in a hospital and on board of a passenger ship.

An important outtake of the ECHO Federated Summer school is that cybersecurity education and training programs and methods must be made compliant with individual capabilities and competences, along with the careful selection of practical tasks in accordance with the professional roles and training background of the participants. The ECHO Federated Summer School is a part of the ECHO Demonstration Cases and pilot trainings for validation of the ECHO assets for training and education.

THE 2ND ECHO PRODUCT WORKSHOP

The second ECHO Product Workshop was held on the 14th of June this summer. The target audience of the workshop was a range of IT developers, students, cybersecurity and informations specialists, ICT professionals. The ECHO team presented a combination of tools for testing the reliability of an IT product before launching it on the market. During the 2 hours-long online event the participants got an overview of four of the software prototypes developed within ECHO: SISO, CVE Strainer, TECand, and PenTest. ECHO's professionals demonstrated to their audience the use of these tools in scanning a new IT product focusing on the safety aspects of its operation, detecting its vulnerabilities, and exploiting the suggestions for a more secure system configuration.



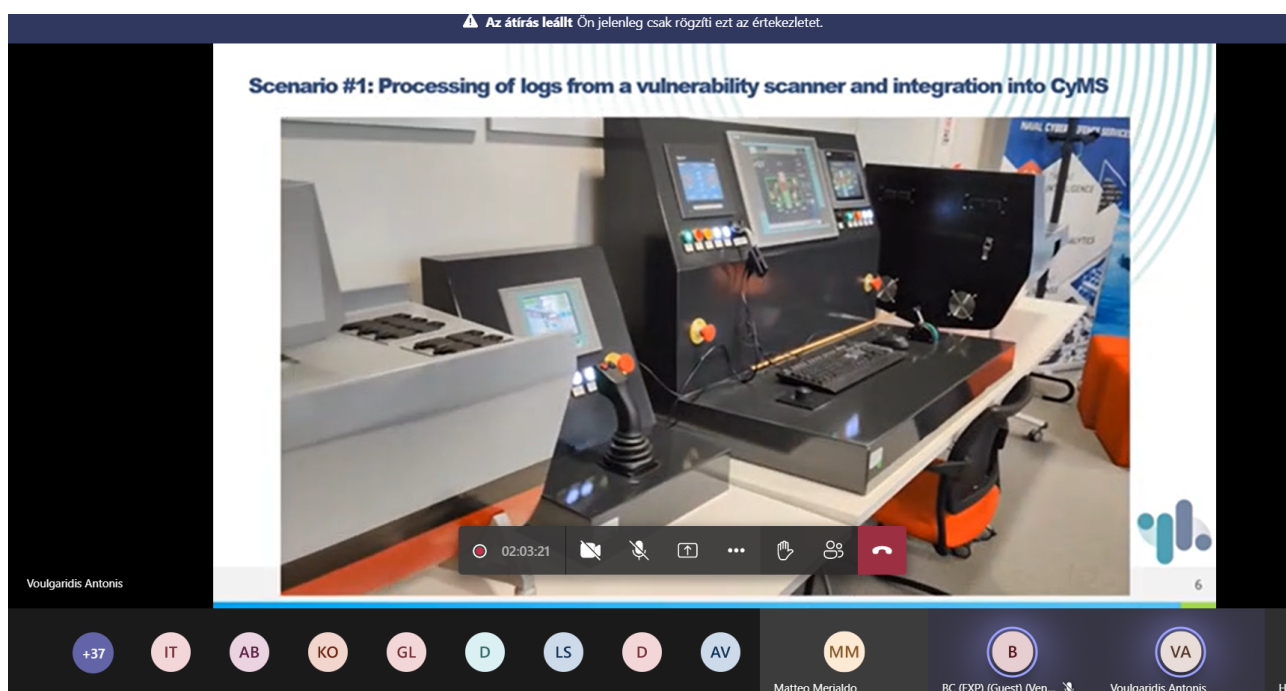
IF YOU ARE INTERESTED IN DEMONSTRATIONS OF ECHO'S PROTOTYPE TOOLS, FOLLOW US AND CHECK OUR WEBSITE FOR THE DATES OF THE NEXT WORKSHOPS!

ECHO FEDERATED CYBER RANGE WORKSHOP

The latest ECHO workshop held on the 21st of September was a very successful event with 50 persons attending the online demonstration of ECHO Federated Cyber Range being used for cyber skills education and training, cybersecurity certification of new technologies, and R&D activities of the technology roadmaps. The participants were given an insight into the operation of E-FCR marketplace providing tailor-made services designed upon the submitted customer needs.

E-FCR services, such as cyber skills training design, certification service, cybersecurity testing of new IT products, detection of cyber threats in operational systems and software were demonstrated via realistic maritime, space és healthcare case scenarios.

The attendees also had the chance to give feedback, share their thoughts and ask questions about using the ECHO Federated Cyber Range service during the discussions after each demonstration case.



EVENTS

CONVERGENCE NEXT - 1-3 JUNE, 2022

CyberSec4Europe, CONCORDIA, ECHO, SPARTA and ECSO were together again at the CONVERGENCE NEXT conference on 1-3 June 2022!

Results and demonstrations from the four pilot projects and the collaborative focus group were presented.

The focus was on the future of the community and the European Cybersecurity Competence Centre (ECCC)



Professor Wim Mees from Royal Military Academy and Douglas Wiemer from RHEA presented ECHO at the CONVERGENCE NEXT 2022 Conference.

EVENTS

#CS4CA EUROPE - 20-21 SEPTEMBER, 2022

The #CS4CA Europe industrial security conference held in London, 20-21 September was sponsored by ECHO for the third time!

Information technology and operational technology leaders from strategic industrial sectors, such as Energy, Oil & Gas, Utility, Power, Water, Chemical, Healthcare and Maritime industries got together at this summit to discuss cybersecurity issues.



DIGILIENCE - 28-30 SEPTEMBER, 2022

This year's DIGILIENCE – DIGITAL TRANSFORMATION, CYBERSECURITY AND RESILIENCE CONFERENCE – was held in Plovdiv, Bulgaria at the end of September. The main objective of the event was the discussion of the present and future challenges in providing security and resilience for ICT-intensive processes, services, and systems, especially from the aspects of information security in the military, defense, and IT sectors.

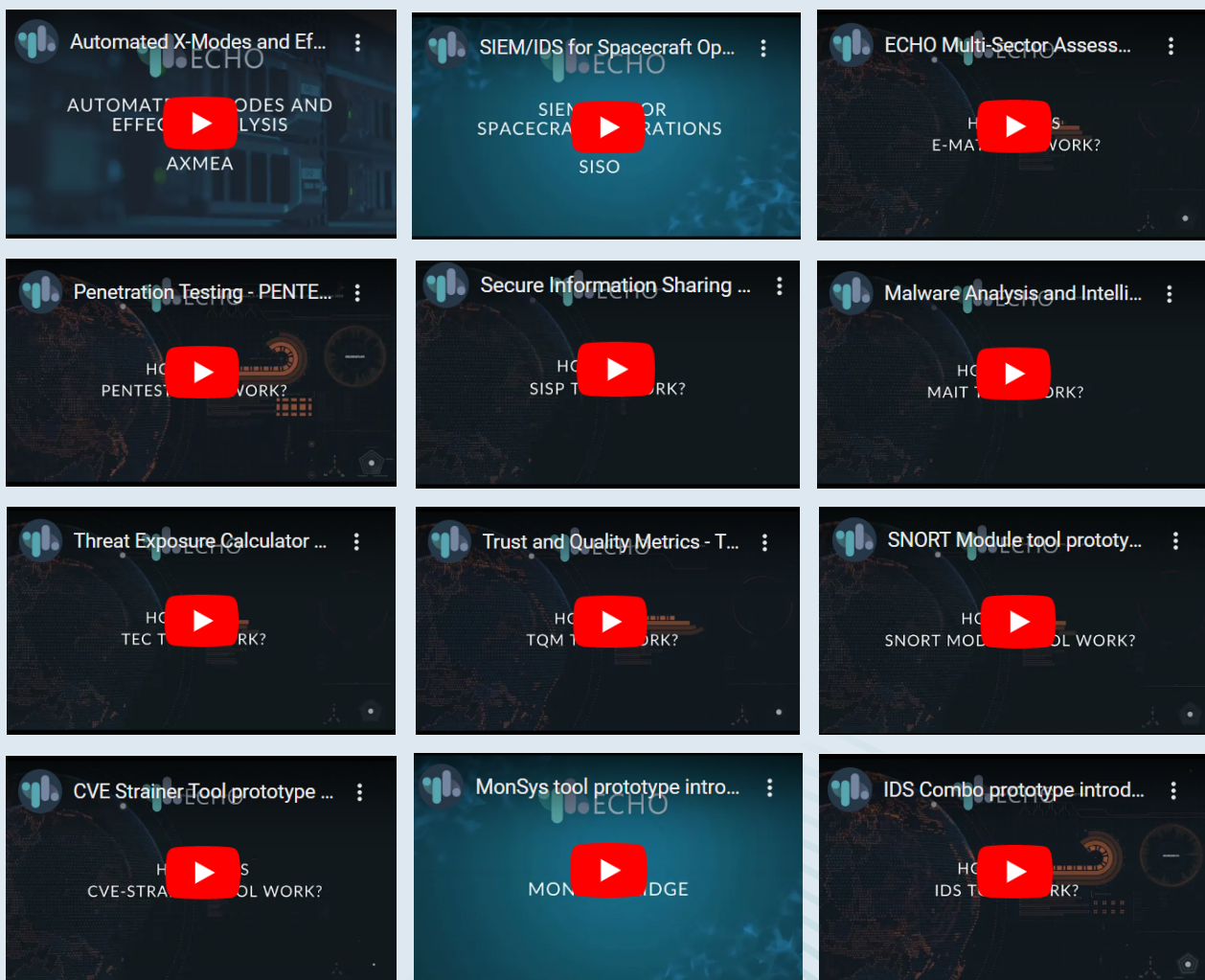


WATCH THE DEMONSTRATION VIDEOS OF ECHO PROTOTYPE TOOLS!

Get to know the early prototype tools of ECHO that are meant to solve the most pressing cybersecurity needs by developing a set of innovative software solutions addressing a variety of inter-sector and transversal cybersecurity challenges.

Click here to watch and read more about each ECHO prototype software tool:

<https://echonetwork.eu/prototypes/>



UPCOMING EVENTS

OCT

5

3rd ECHO Product Workshop
5 October, 2022 online



NOV

3-4

MCSS 2022 conference
3-4 November, 2022 KRAKOW/KIELCE - POLAND



OCT

1-30

#CyberSecMonth 2022

"Think Before U Click!" #ThinkB4UClick

[READ MORE](#)

The European Cybersecurity Month is turning 10! For the 10th consecutive year the European Union Agency for Cybersecurity (ENISA) is partnering with the Commission and Member States in carrying out #CyberSecMonth: the EU's annual campaign dedicated to promoting cybersecurity among EU citizens and organisations and providing up-to-date online security information through awareness raising activities and sharing of good practices.

This year's themes are: Phishing & Ransomware

Check out the cybersecurity activities of the CyberSecMonth! Every year, hundreds of activities take place across Europe to promote digital security and cyber hygiene.

VISIT OUR WEBSITE:

<https://www.echonetwork.eu>