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The CYBERWISER.eu Cyber Range Platform and Training Environment – where IT specialists become highly-skilled, multi-disciplined cyber security professionals

The world is more digitally connected than ever. Technology is changing and improving our lives. But we face new challenges. Cybercrime is a major obstacle in our path to a networked society with huge costs to the economy and society.

Studies on cyber risk costs point to increasing impacts to all kinds of organisations, especially where gains for hackers are high, not just in terms of financial gains but also intellectual property and sensitive data. Kaspersky[1] has shown that the monetary impact of cyber breaches can increase by as much as a factor of five when left undetected for seven days, compared to the cost of being detected instantly.

CYBERWISER.eu will help reduce cyber risks and their negative impacts, while building cyber capacity and boosting career opportunities in a digital economy where the demand for highly-qualified professionals in risk assessment and cyber-attack response is continuously growing in the light of the existing cyber threat landscape.

CYBERWISER.eu will develop an educational, collaborative, real-time civil cyber range platform where cybersecurity competitions will take place. This will become the EU's reference for an authoritative, independent cybersecurity platform for professional training. Users can play the role of attackers and/or defenders in different scalable and configurable scenarios with a set of virtual resources representing a simulated company IT infrastructure.

Three full-scale Pilots from different sectors (energy, higher education/university, transport) are early adopters of CYBERWISER.eu. Collectively, they represent the needs of a wide range of end-users, spanning students interested in building a career in cybersecurity to experienced IT experts who need to ensure they are properly prepared for a multi-faceted threat landscape.

CYBERWISER.eu will also meet the specific needs of a broad range of verticals through platform roll-out to the Open Pilot Stream. The Open Pilots will also demonstrate the applicability of the platform to other public and private organisations who can significantly benefit from the CYBERWISER.eu platform to build crucial skills for the networked world. Expression of interests to join the Open Pilot Stream are gathered now on www.cyberwiser.eu/content/open-pilot-stream .

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[1] https://usa.kaspersky.com/about/press-releases/2018_kaspersky-lab-report-the-cost-of-a-data-breach-continues-to-grow-worldwide

About CYBERWISER.eu

CYBERWISER.eu is an Innovation Action co-funded by the European Commission, H2020 Programme, under Grant Agreement 786668.

The Consortium is composed by 9 domain-skilled partners from 7 European Countries: Spain (ATOS), United Kingdom (Trust-IT Services), Norway (SINTEF), Slovenia (XLAB), Italy (Ferrovie dello Stato Italiane, Università di Pisa, AON), Portugal (EDP) and Belgium (RHEA Group), bringing together a nice mix of large companies, SMEs, research and educational institutions.

CYBERWISER.eu expands and builds on the success and strong user community of the H2020 Innovation Action WISER (2015-2017), helping to accelerate awareness-raising and jump-start earlier investments.

Keywords

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CYBERWISER.eu Media Contacts

Stephanie Parker, s.parker@trust-itservices.com

Niccolò Zazzeri, n.zazzeri@trust-itservices.com

info@cyberwiser.eu