CONCORDIA

Cyber security cOmpeteNCe fOr Research anD InnovAtion

Stakeholders' Newsletter

CONCORDIA has still a lot to say!

Dear readers, we believed that CONCORDIA was going to end this year but we still have a lot to say! An extension has been granted to maintain this consortium for another four months. Thus, expect to receive another newsletter sometime next year. Meanwhile, we wish you a happy holiday season!

Enjoy your reading, and don't hesitate to provide feedback.

This issue

CONCORDIA Open Door 2022

CONCORDIA News

Suggested Articles from European Institutions

C^3 by CONCORDIA

www.concordia-h2020.eu

CONCORDIA Open Door (COD) was a success!
Finally, we met you again in person while even more people followed us online through our YouTube channel.

On the first day in Munich, the Baverian Minister of State for Digital Affairs Mrs. Judith Gerlach and our host Dr. Ralf Wintergerst, CEO of G+D, welcomed us together with prof. Gabi Dreo, coordinator of CONCORDIA.

In both days, the sessions featured representatives from the European Commission, the ECCC, ENISA, EU member states, European universities and industries. We also hosted the CONCORDIA women's awards and the innovative research and best poster pitches award.

Once again, we want to thank G+D for hosting this event in their venue.

You can watch all the sessions of COD2022 at:
https://www.youtube.com/playlist?list=PLhI8SlUySiKQjId7Z7vEtE8d1ZYsCSwCr

CONCORDIA WOMEN's AWARDS 2022

Urška Kesmič Žveglič
Winner of the CONCORDIA
Women's Award on Industry 2022
https://www.youtube.com/watch?v=LThyb62dsAA

Christine Kipke
Winner of the CONCORDIA
Women's Award on
Entrepreneurship 2022
https://www.youtube.com/watch?v=tKRofy5OSKg

COD2022 BEST POSTER PITCH

The CONCORDIA project invited early career researchers to present their work at its Open Door event at session called "Innovative Research and Best Poster Pitches" on 27 October 2022. 10 researchers were selected to present their posters in a pitch format at this session.

At the end of the event award was given to the best pitch, which was "Robust and Communication-Efficient Peer-to-Peer Federated Learning", from Han Wang (https://www.ri.se/en/person/han-wang).

3

Cyber Ranges for a Resilient Europe – A policy brief

This policy brief was created by the cyber-range project group that has come together under the umbrella of the Horizon Results Booster programme of the European Commission to jointly disseminate results that help tackle key challenges in the cybersecurity training sector.

Read more at:
https://www.concordia-h2020.eu/news/cyber-ranges-for-a-resilient-europe-a-policy-brief/

Flowmon ADS integration with MISP

MISP is a well known common platform for sharing of threat intelligence. Organizations and companies collaborate in a community fashion to share indicators of compromise between each other. Did you ever wonder how indicators of compromise are created? In addition to cyber security professionals who's daily job is to hunt for threats, reverse engineer malware and publish indicators of compromise there is a broad security community that protects various environments, detects and blocks malicious activities literary every second. This effort produces large volume of logs that contain very interesting information, particularly indicators of compromise in the form of IP addresses of attackers. To unlock the value hidden in the logs extraction of indicators of compromise and sharing with the community is required. This is exactly what we did in the CONCORDIA project in the context of Network Detection & Response and MISP. Flowmon ADS provides various detection techniques based on machine learning, adaptive baselining, heuristics or behavior pattern to detect broad set of adversary activities at scale and without signatures. Coverage of unknown attacks is essential to produce valuable indicators of compromise. Detected events are converted into a standard MISP events with attached indicators of compromise as attributes and shared automatically. The integration created by Flowmon Networks is available at GitHub and available to everyone.

Check the code: https://github.com/progress/ADS-MISP

CONCORDIA News

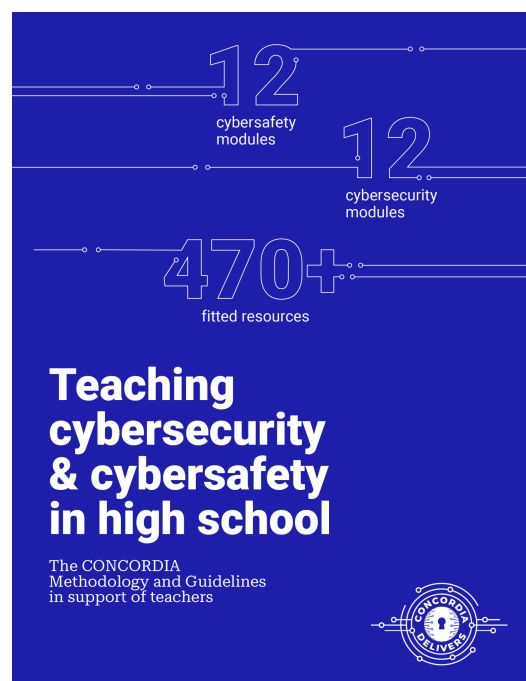## Teaching cybersecurity & cybersafety in high school

The CONCORDIA Methodology and Guidelines for high school is out. Teachers are offered a flexible approach and 24 fiches to help prepare their cybersecurity and cybersafety related lessons. The CONCORDIA Methodology and Guidelines in support of high-school teachers describes a model of teaching and includes detailed information on how to address different cybersecurity and cybersafety topics in high school. We are also pointing to related initiatives deployed in different European countries. The document contains 470+ references and is structured as shown below:

Read more at:

https://www.concordia-h2020.eu/news/teaching-cybersecurity-cybersafety-in-high-school/

Download the document at:

https://www.concordia-h2020.eu/wp-content/uploads/2022/11/Teach-the-TeachersMethodology-for-publication.pdf

Multi-Dimensional Certification of Modern Distributed Systems

The cloud computing has deeply changed how distributed systems are engineered, leading to the proliferation of ever-evolving and complex environments, where legacy systems, microservices, and nano-services coexist. CONCORDIA researchers presented a multi-dimensional certification scheme where additional dimensions model relevant aspects (e.g., programming languages and development processes) that significantly contribute to the quality of the certification results.

Read more at:

https://ieeexplore.ieee.org/document/9844845
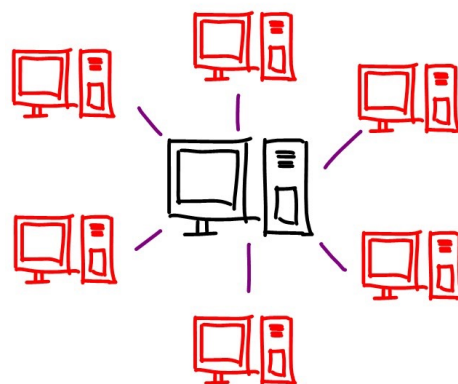
Digital Rights and Principles: Presidents of the Commission, the European Parliament and the Council sign European Declaration

On December 15th, the EU's work on its 'digital DNA' – the European Declaration on Digital Rights and Principles – has culminated: Commission President Ursula von der Leyen signed the text together with the President of the European Parliament Roberta Metsola, and Czech Prime Minister Petr Fiala for the rotating Council presidency.

Read the press release at:
https://ec.europa.eu/commission/presscorner/detail/en/ip_22_7683

Joint statement by President von der Leyen and Prime Minister Lee on the EU-Singapore Digital Partnership

A new Digital Partnership between the EU and Singapore expands the robust EU-Singapore relationship into the digital realm, which has a transformative potential for the future of both economies.

Read the press release at:
https://ec.europa.eu/commission/presscorner/detail/en/statement_22_7743

New world-class European supercomputer inaugurated in Italy

On November 24th, the Commission together with the European High-Performance Computing Joint Undertaking (EuroHPC JU), the Italian Ministry of Universities and Research and the CINECA consortium inaugurated Europe's latest supercomputer: LEONARDO, located at the Bologna Technopole, in Italy.

Read the press release at:
https://ec.europa.eu/commission/presscorner/detail/en/ip_22_7119

Digital Markets Act: rules for digital gatekeepers to ensure open markets enter into force

On November 1st, the EU Digital Markets Act (DMA) entered into force. The new Regulation put an end to unfair practices by companies that act as gatekeepers in the online platform economy. It was proposed by the Commission in December 2020 and agreed by the European Parliament and the Council in record-time, in March 2022.

Read the press release at:
https://ec.europa.eu/commission/presscorner/detail/en/ip_22_6423

More info and download:
https://crp.kypo.muni.cz/news/field_manual

CONCORDIA

Cyber security cOmpeteNCe fOr Research anD InnovAtion

@concordiah2020

CONCORDIA Project

Concordia-h2020.eu

concordiah2020

This is the CONCORDIA stakeholders' newsletter. If this newsletter was forwarded to you and you are interested to receive it directly, you can subscribe here. You may unsubscribe here. For any questions, please contact us at:

antonioken.iannillo@uni.lu

www.concordia-h2020.eu