



NAECCS | NATIONAL AUTHORITY ON
ELECTRONIC CERTIFICATION
AND CYBER SECURITY

Report on the activities of 2020

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During the year 2020, in order to fulfill the functional tasks, NAECCS has carried out various awareness-raising activities to increase the capacities of the CSIRT sectoral and national CSIRT teams.

NAECCS in the capacity of the national CSIRT is an accredited member in Trusted Introducer from May 27, 2020 and a "Fellow Member" in FIRST (Forum for Incident Response Teams) on February 24, 2020.

Other activities include:

I. Awareness activities

"International Safer Internet Day 2020" #CyberCorner

In the framework of the International Safer Internet Day, the National Authority on Electronic Certification and Cyber Security (NAECCS) in cooperation with the Municipality of Tirana and with the support of Raiffeisen Bank and Telekom Albania, launched the innovative #CyberCorner project at the "Hamit Beqja" library, near the Administrative Unit No. 8, Tirana.

The project aims to raise awareness of children's safety on the Internet and train them to use e-services in the already multifunctional premises of the "Hamit Beqja" library. CyberCorner will offer children and young people opportunities for in-depth knowledge on current and sensitive topics, such as: safe internet use, coding, radicalism and violent extremism, public electronic services. Modules have been designed for each of these topics, and computer equipment have been installed, which can be interacted for a long time in the library premises and will be organized through workshops by NAECCS experts.





October – European Cyber Security Awareness Month



During the month of October, NAECCS has carried out awareness campaigns with middle school and high school students in the capital with the aim of "Increasing the level of safety of children and young people on the Internet". DCAF in cooperation with NAECCS, the UK Government and the British Embassy in Tirana have carried out a series of videos in the Albanian language about Back up Data, CEO Frauds, Online Scams and Passwords to make the importance of cyber security more understandable, with the motto "Life is not a fairy tale".

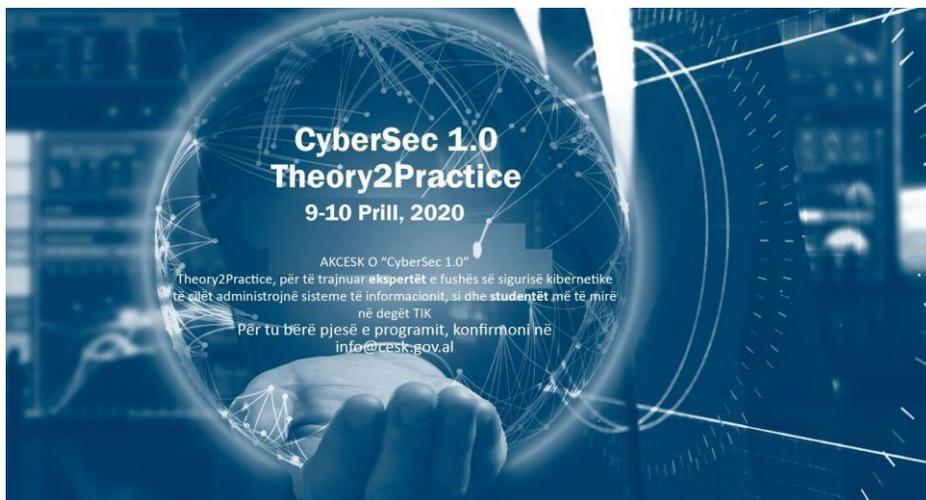
Photo from the activity with the students:



II. Capacity building activities

CyberSec 1.0

NAECCS, in the capacity of the Authority responsible for cyber security in the Republic of Albania, organized the online training "CyberSec 1.0", to increase the capacities of the responsible staff of sectoral CSIRTs and ICT students. The two-day training ensured an attendance of 35 unique participants per day.



Albanian Cyber Academy 4 (ACA4)

Albanian Cyber Academy

4-th Edition

22 June - 3 July 2020



17

11 International speakers,
6 local experts



600+

participants in 2 weeks,
65% women



2

hands on sessions
conducted

The 4th edition of the Cyber Security Academy was organized on June 22 - July 3.

The purpose of this activity was to increase the capacity and deepen the knowledge of cyber security professionals and talented young students of the field.

During ACA4, 11 international experts and 6 local experts participated, among whom we can mention Dr. Erdal Ozkaya, Mitko Bogdanoski, Ramsés Gallego, Ljubica Pendaroska, Ivica Simonovski, Elio Pashaj, Predrag,

Pale , Metodi Hadji Janev ,Marjan Stoilkovski , Ogerta Elezaj , Eralda Dharmo (Gjika), Elda Kuka, të cilët ndanë ekspertizën e tyre me mbi 600 pjesëmarrës online dhe më shumë se 60 pjesëmarrës unikë në ditë.

Cybersec 2.0

NAECCS, in the capacity of the Authority responsible for cyber security in the Republic of Albania, organized the online training "**CyberSec 2.0**" on December 17-18, 2020. The activity aimed to increase the capacities and deepen the knowledge in the field of cyber security of the operators of critical information infrastructures, as well as the promotion of cooperation for the provision of specific training on "**MDFIR Certified DFIR Specialist certification**" and "**MTIA - Certified Threat Intelligence Analyst**" for members of sectorial CSIRTs in cooperation with **Mosse Cyber Security Institute**.

In the framework of capacity building, it has become possible:

1. Pjesëmarrja në webinare të organizuar nga Këshilli i Europës, OSCE, dhe Carnegie Mellon University with topics:
 - a) Crypto for Criminal Justice Authorities,
 - b) Western Balkans Working Group,
 - c) International Laws of Cyber Operations.

2. Participation in:

- a) SANS Institute : Reverse Engineering Malware – Malware Analysis Tools and Techniques
- b) Carnegie Mellon - Western Balkans Working Group, Steps for Creating National CSIRT

III. Promotional materials

During 2020, in implementation of the communication plan of the sector, the periodic publication of 4 posters and 8 promotional videos was carried out for community awareness for increasing the level of cyber security with the support of DCAF

Posters



1. "Criminal groups often use malware to blackmail businesses that do not have active online defense capabilities. As a possible defense, back up critical business information periodically"



Bizneset dhe sektori bankar shpesh janë nën këto lloj kërcënimesh. Verifikoni besueshmërinë e dërguesit të postës elektronike dhe trajtoni me kujdes të dhënat e kompanisë në internet.
<https://cesk.gov.al/>



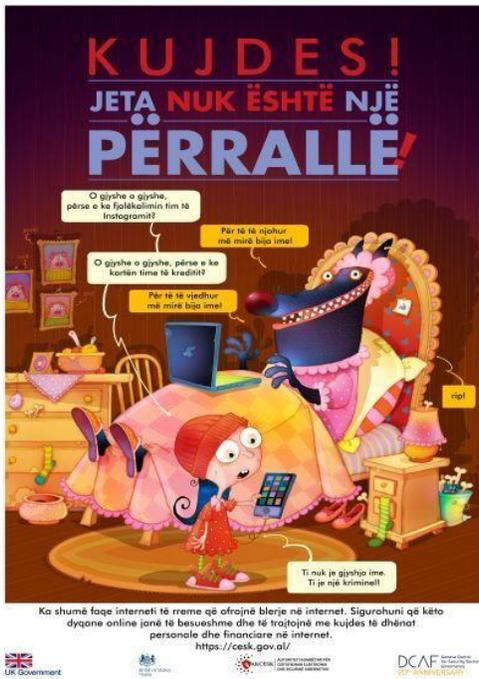
2. “Businesses and the banking sector are often under these types of threats. Verify the reliability of the e-mail sender and handle company data with care online.”



Fjalëkalimet e thjeshta dhe shpërndarja e fjalëkalimeve mund të dëmtojnë sigurinë tuaj personale dhe të biznesit në internet. Përdorni fjalëkalim të fortë dhe të larmishëm, përdorni verifikimin me dy hapa.
<https://cesk.gov.al/>



3. “Simple passwords and password sharing can harm your personal and business security online. Use strong and varied password, use two-step verification”



4. “Simple passwords and password sharing can harm your personal and business security online. Use strong and varied password, use two-step verification”

Videos

👉 Si të krijomë një password të sigurt 🤝

<https://www.youtube.com/watch?v=kxRMEys3sJA&feature=youtu.be>

Perfect: Let's take that as an example. Now, replace some of letters with numbers and symbols.

YOUTUBE.COM
Passwords

👉 Kujdes! Jeta nuk eshte nje perralle!

<https://www.youtube.com/watch?v=Y5BAbuMEAh&feature=youtu.be>

She is tired, but happy to have finally arrived.

YOUTUBE.COM
Online scam

👉 Always doublecheck first 🤔🤔🤔 !!✅

#AKCESK #DCAF

<https://www.youtube.com/watch?v=9AeFgaqZDZo&feature=youtu.be>



YOUTUBE.COM
CEO frauds

👉 !! Sa e rëndësishme është të keni kopje rezervë të të dhënave tuaja ose të biznesit tuaj ? 🤔

AKCESK në bashkëpunim me DCAF kanë përgatitur për ju një video sensibilizuese. #AKCESK #DCAF #BACKUP



<https://www.youtube.com/watch?v=PYU8Fp5h54s&feature=youtu.be>



YOUTUBE.COM
Back up data
Rëndësia e back up

NAECCS has also produced **4 videos on: Cyber Health, Online Safety, Cyber Hygiene, Cyberbullying**. Materials can be found on the Authority's official YouTube channel. Within the framework of the European month of Cyber Security and banking customer education, AAB has organized three Webinars. The program focused on topics that help people identify and prepare for cyber threats. The campaigns emphasize some simple steps that protect our personal, professional and financial data.

👉 Edukohu cyber !!

#thinkcyber #akcesk... See More



YOUTUBE.COM
Cyber health

👉 APLIKO Cyber Hygiene !!

<https://www.youtube.com/watch?v=Nb-sNKGxrGI&feature=youtu.be>



YOUTUBE.COM
Cyber hygiene

👉 Nëse ndiheni të frikësuar për sigurinë tuaj online 👤👤, kërkoni ndihmë! ✅ . #akcesk #dcaf #onlinesafety

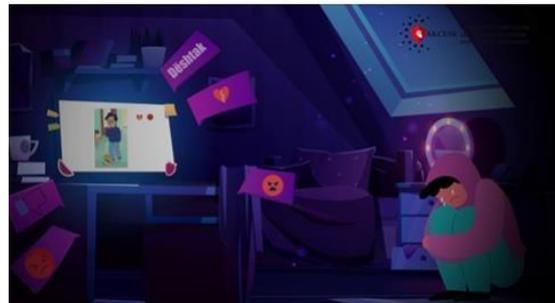
<https://www.youtube.com/watch?v=5I7ephhHAJE&feature=youtu.be>



YOUTUBE.COM
Online safety

👉 Injoro mesazhet kërcenuese ose tallese!

<https://www.youtube.com/watch?v=0ukEJdwMIEY&feature=youtu.be>



YOUTUBE.COM
Cyberbullying

In addition, a series of online trainings for parents and educators on the **topic "Safety of children on the Internet"** has been organized with the support of ITU. The trainings were organized online for five days, from **15-19 November 2020**. The aim of this training was to encourage safer behavior in Internet for children and young people, emphasizing advice for parents and educators in communication, support and education towards them. With about **100 unique participants** inside and outside Albania, who showed interest, enthusiasm and the importance of increasing knowledge in such topics, this event achieved its success by motivating and being an incentive for the continuation of similar trainings in the ICT field. not only.

Roli që luajnë prindërit dhe mësuesit

Prindërit duhet të kenë qasjen e duhur ndaj një fenomeni të tillë dhe të jenë mbështetja kryesore për fëmijët e tyre.

Fushat që prindërit dhe mësuesit duhet të konsiderojnë janë:

- ❖ Siguria dhe privatesia e teknologjive
- ❖ Edukimi i prindërve dhe kujdestarëve rmbi problematikat e fëmijëve në Internet
- ❖ Rishikimi i karakteristikave të faqeve të Internetit
- ❖ Edukimi i fëmijëve

IV. Internet Safety Recommendations (Covid-19 Situation)

By cooperating with international partners such as: Qualys, EATM Cert, Shadowserver and with other sectors of NAECCS (Control sector) recommendations and identified vulnerabilities of ICT systems have been produced and published in a time interval (weekly and 2-weekly).

These update reports have been sent to OIKI and OIRI through the Incident Monitoring and Management System as well as through the institution's official e-mail for those operators who encountered problems accessing the system.

- Working From Home Internet Safety Tips for Employers and Staff
- Internet Safety Recommendations for Online Buying and Selling for Citizens and Businesses
- Recommendations and Tips for Using the ZOOM platform
- Recommendations on Phishing Attacks
- Notifications on Security/ Security Update
- Recommendation to Beware of criminals pretending to be WHO
- Vulnerability Alert - Adobe has released 21 critical Patches to Illustrator and Bridge
- "zero day" vulnerability in IOS
- CVE-2020-0796 SMBv3 Vulnerability
- Betternet & PrivateVPN
- Vulnerability in Microsoft Teams
- Vulnerabilities in the Autodesk FBX library in Word and Office
- Three critical vulnerabilities in Mozilla Firefox
- Sophos XG Firewall products, victims of a zero-day attack
- XSS vulnerability in VMware ESXI