CYBER CLEVER

NEWSLETTER 1

Co-funded by the Erasmus+ Programme of the European Union

About the Cyber Clever Project

Our project will develop, implement and evaluate a training package for teachers in VET, to increase awareness of Cyber-security for ordinary young people in all programme areas of VET. Our idea is inspired by the American GenCyber program.

The modules of the course will be:

1. *Privacy,*
2. *Cyber-security,*
3. *Social media and Internet hygiene,*
4. *Digital vulnerability,*
5. *Hacking methods and password security.*

Project logo

Project identification : 2020-1-NO01-KA202-076464

Situation

The new EU Cybersecurity Strategy aims to safeguard a global and open Internet, while at the same time offering safeguards, not only to ensure security but also to protect European values and the fundamental rights of everyone. Under this strand of action the Commission proposes to reform the rules on the security of network and information systems, under a Directive on measures for high common level of cybersecurity across the Union (revised NIS Directive or 'NIS 2'), in order to increase the level of cyber resilience of critical public and private sectors: hospitals, energy grids, railways, but also data centres, public administrations, research labs and manufacturing of critical medical devices and medicines, as well as other critical infrastructure and services, must remain impermeable, in an increasingly fast-moving and complex threat environment.

VET students of non-technical study programmes are not familiar with basic Cyber security measures and this project aims at developing a training pack for teachers with no technical- or cyber knowledge for usage in their classes. It is these VET students that can be the future decisive factor in many SME's or micro businesses when it comes to prevention of cyber-attacks. All education programmes that exist in this field is primarily targeting students at university level, and teachers in VET are not prioritized.
A pilot course in cyber security funded by Norwegian strategic partners and US Embassy was run at Godalen Vocational College ultimo 2018 with huge success amongst teachers and students alike. Bodil Grødem, teacher at Godalen, was project manager for the pilot program in Cyber Security, giving us the best competence in VET in Norway on this field, ensuring that this project will be of top quality and up to latest standards how the US GenCyber program recommends it to be.

With this background and success we will reach out to young workers who are the future of Europe's workforce and ensure the focus on Cybersecurity also in ordinary jobs and to facilitate the hindrance of digital class boundary between those who can safely use digital technology wisely and those who cannot. The need for a European wide partnership is obvious since this is not an integrated part of any curriculum in ordinary initial VET education when we enter 2020.

Status

As pre March 2021 the project has developed according to plan, despite the challenges we have seen with Covid-19 and travel restrictions. NTNU has produced a background report with inputs from all partners on the current Cyber situation in Europe relevant for the target group in VET we are aiming at reaching. Godalen has been the lead of the curriculum framework and didactic guidelines, which will be updated as the project progresses and the course is ready. We have now started to gather and look at different lesson plans for the course itself. We will most likely apply for an extension since some of our targets in the project is dependent on joint courses and competence development.

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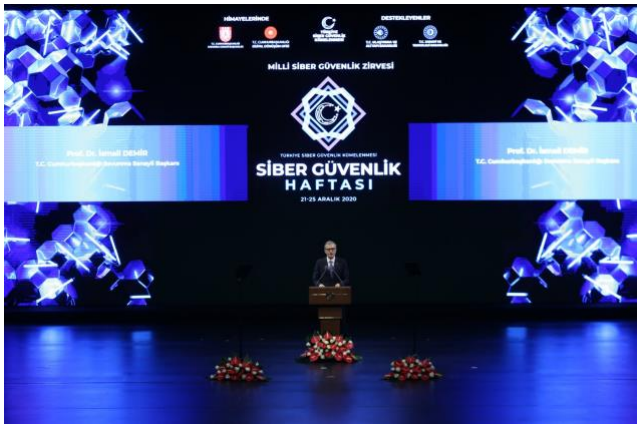
Turkey releases Cyber security strategy for 2021-23

As Turkey has faced 325,000 cyberattacks in the last three years, The action plan stated that cyber threats may negatively affect all sectors including communications, transport, energy, banking, finance and health. Turkey's National Cyber Security Strategy and Action Plan include 40 actions and 75 implementation steps in relation to strategic objectives.

NTNU offers teacher's in service training in Cyber Security

As a direct result of the project NTNU in Trondheim is now offering Norway's first in service training for teachers in Cyber security from August 2020. Bodil Grødem from Godalen Voctational College has adapted the curriculum framework from the project and cooperated with NTNU and Norwegian Cyber authorities to speed up the process of getting such a programme started. Thanks to her hard work, they have managed to set up this programme very fast. The first module of the course gives 7,5 study points.



People all over the world visit Tallinn to marvel at Estonia's digital ecosystem.

Example from Estonia

An example on how our VET students could have been in the center of crisis: The largest potential data leak could have come from a local bike-sharing initiative at an Estonian municipality, had it not been for the prompt action taken by the owners of the service. The database behind the ride-sharing service had 20,000 names, contact information, user ID-s, use logs, and connections with other public transportation logs. Thanks to the quick reaction by the processor of the data following the discovery of

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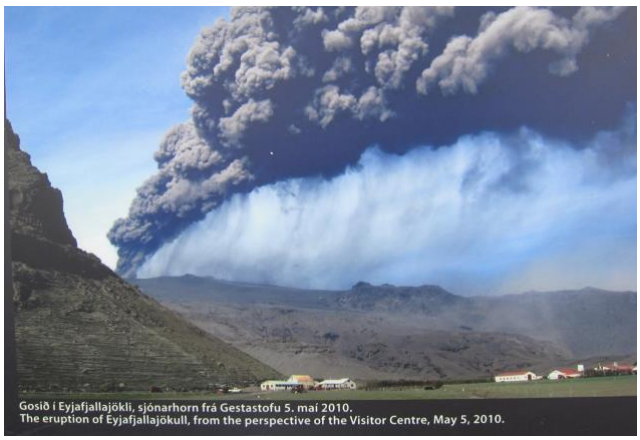
this vulnerability, there was no real threat of personal information being leaked this time.



Cyber strategy in Iceland

Hrafnkell Viðar Gíslason, director of the Icelandic Post and Telecom Administration, states that the number of cyberattacks has increased tremendously in recent years and that the problem continues to increase. He estimates that more than ISK 10 billion (USD 72 million; EUR 61 million) is lost to cybercrime in Iceland a year

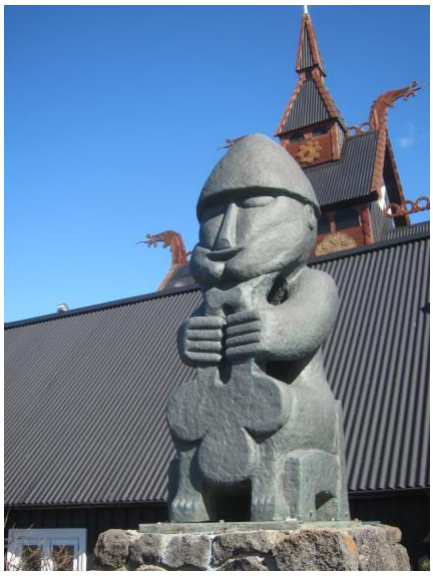
Iceland has 4 main aims in their strategy that runs from 2016-2026:

Main aim No. 1: Capacity building

Main aim No. 2: Increased resilience

Main aim No. 3: Strengthened legislation

Main aim No. 4: Tackling cybercrime



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