



Critical Information Infrastructure protection, Identifying and Sharing Good Practices

ITU 2021 Global CyberDrill
Africa and Europe Interregional Meeting
16 September 2021

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AGENDA

Introduction
CERT-GOV-MD
Threats
Future
Conclusion



INTRODUCTION

Introduction

- Cyber security creates trust among citizens and businesses. However its implementation is **often discriminatory from the point of view of costs and complexity.**
- Cyber security represents an economic opportunity. **We strongly believe in the empowerment of all the stakeholders, making information security broadly accessible.**
- **Cybersecurity is a collaborative task,** involving governments, companies and individuals.
- Cyber security concerns any individual. For a country building its economic strengths on ICT, **cyber security is an essential asset to its economic attractiveness.**



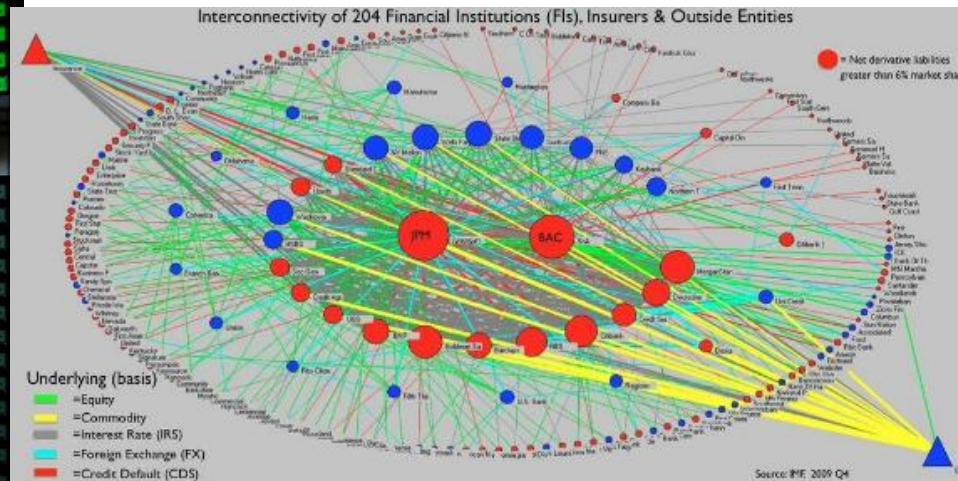
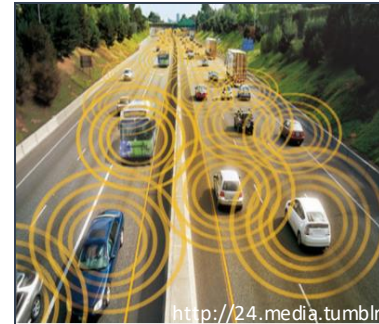
Cyber Security - goals

- **Confidentiality** – give access to authorized users only (cryptology, access management)
- **Integrity** – prevent unauthorized modification (hash, ...)
- **Availability** – prevent destruction; plan sufficient resources

Cybersecurity creates trust – trust is essential for business and development of e-government services.



Understanding the world of cyber is a complex task



http://24.media.tumblr.com/tumblr_m94h6pasyA169170b1_500.jpg

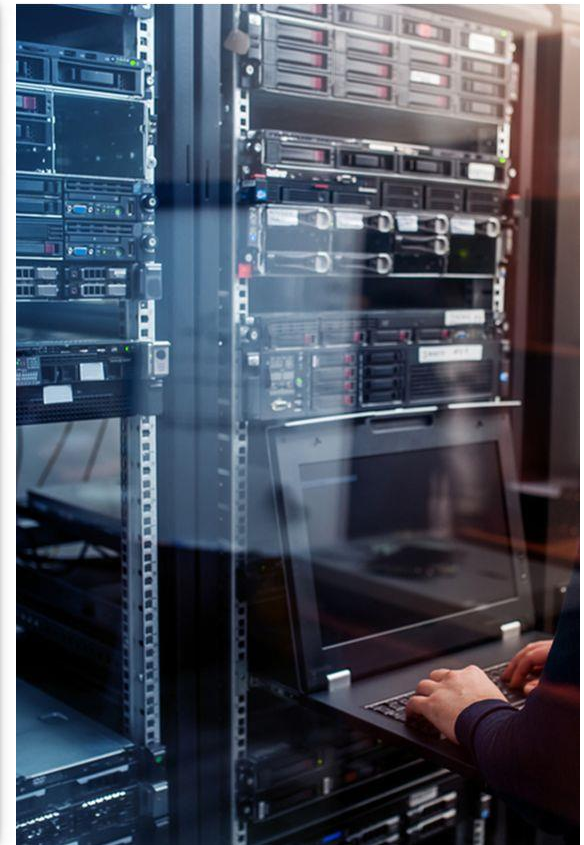


CERT-GOV-MD

Organisational and Operational Capacities

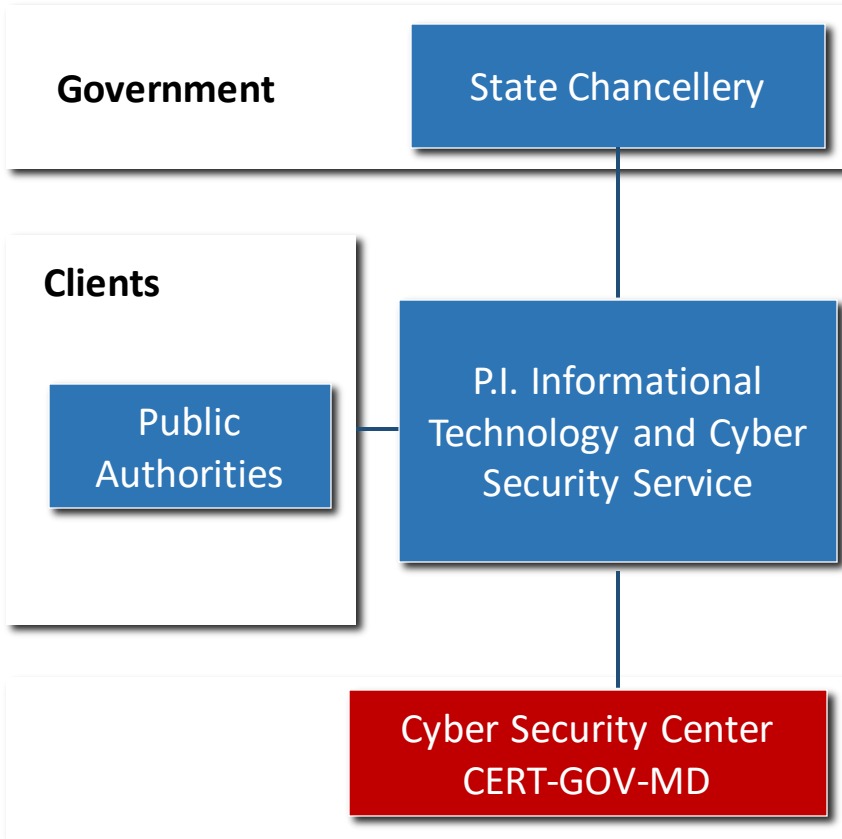
Governance on governmental side

CERT-GOV-MD, ITsec



Who We Are?

SUBORDINATION HIERARCHY



FACTS

- 2010** Established by Government decision № nr. 746 of 18.08.2010
- 2013** Implemented ISO 27001
- 2014** CERT-GOV-MD became accredited by Trusted Introducer
- 2016** FIRST membership



Mission and objectives of CERT-GOV-MD

- Incident response for **government**, prevention, detection and mitigation
- Reduction of risks from cybersecurity incidents;
- Rising level of awareness of public administration authorities through information awareness and continuous training;
- Improve the level of cyber security within the government and increase confidence in new technologies;
- Build strategic relationships to improve cyber security of government.
- Sharing information and lessons learned.
- Strengthen international cooperation



Cybersecurity - approach

Creating an Effective Cybersecurity Program



Cybersecurity - approach

- **Behavior** – the users must be aware about threat
- **Organisation** – risk management, policies, procedures, standards
- **Technology** – prevention, detection and mitigation tools and services



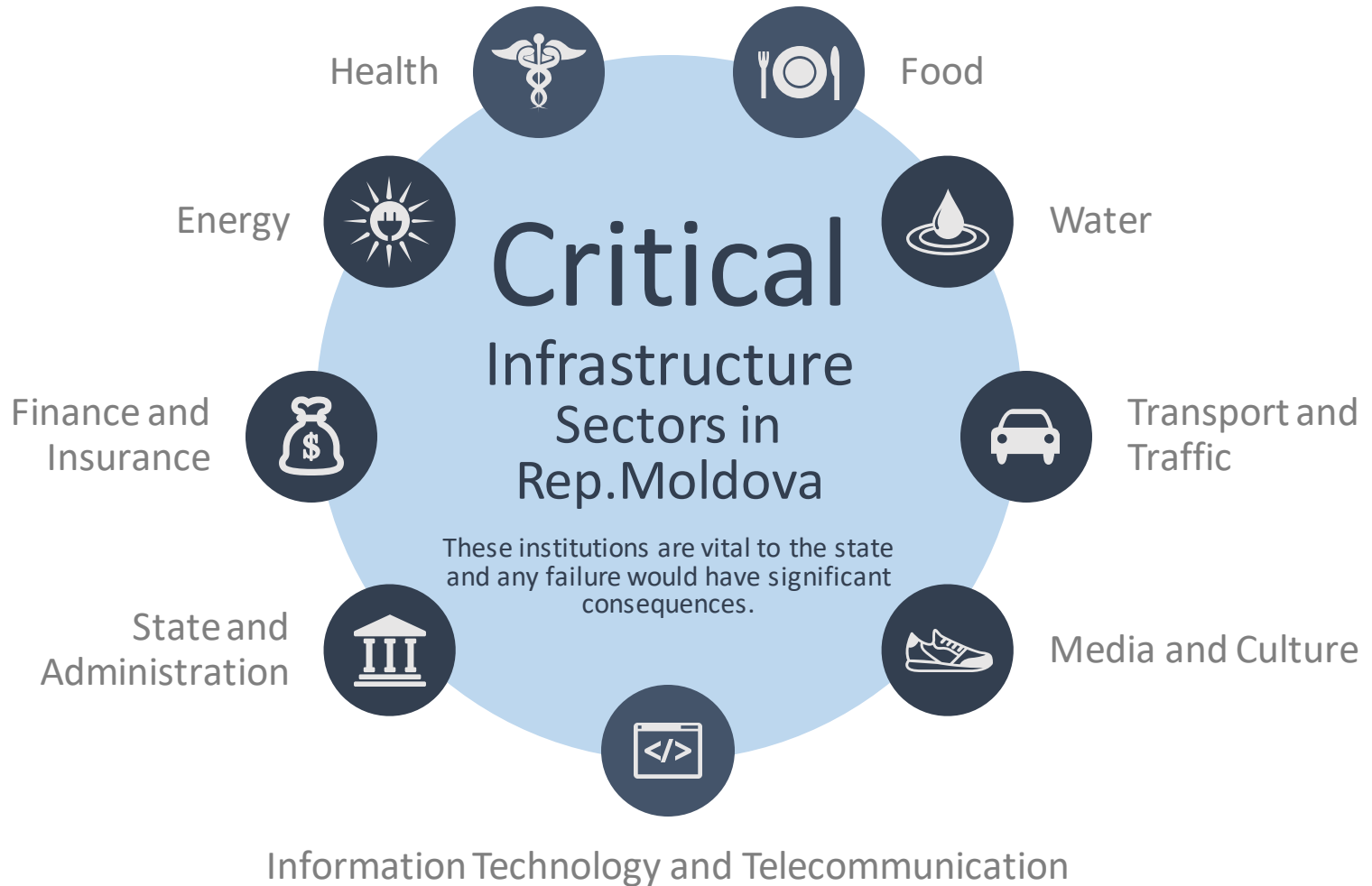
National Strategy and Policy on Cybersecurity in Moldova

Information Security Strategy of the Republic of Moldova for 2019-2024 approved by Parliament Decision no. 257/2018

- Ensuring the security of the cyber information space and investigating cybercrime
- Ensuring the security of the media information space
- Strengthening operational capabilities
- Process efficiency of internal coordination and international cooperation in the field of information security



Critical Infrastructure Sectors in the Republic of Moldova



Benefits of CERT-GOV-MD

- Serves as a trusted point of contact
- Develops an infrastructure for coordinating incident response
- Develop capability to support incident reporting
- Conduct incident, vulnerability & artifact analysis
- Participate in cyber watch functions
- Help organizations to develop their own incident management capabilities
- Provide language translation services
- Make security best practices & guidance available
- Provide awareness, education & trainings





THREATS

CYBERSECURITY

THREATS

Threats are Becoming More Complex

Increasingly more complex software programs

Supply chain isn't transparent

New types of viruses every day

Tablet computer

Cloud storage

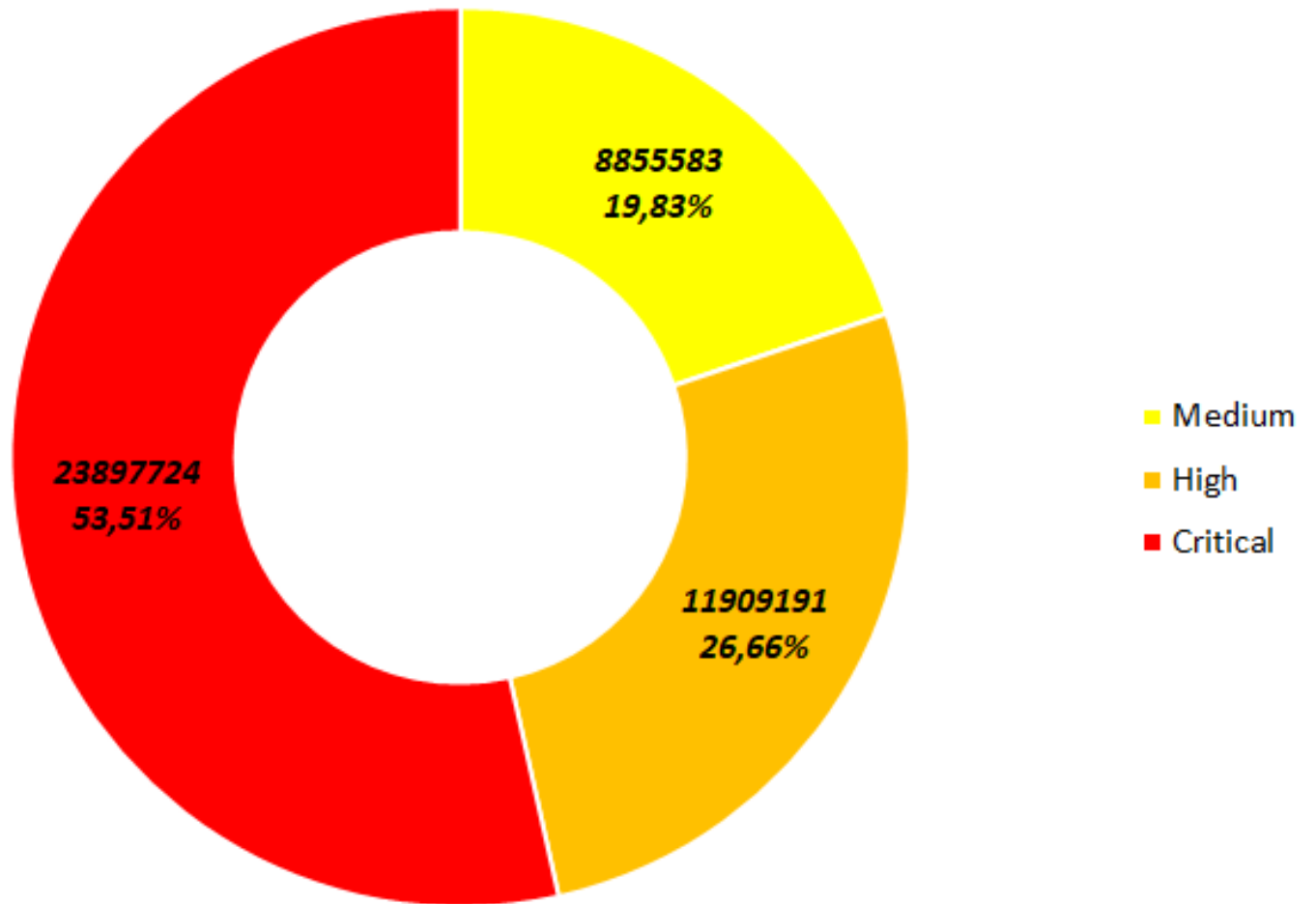
Mobile data storage

Several updates daily

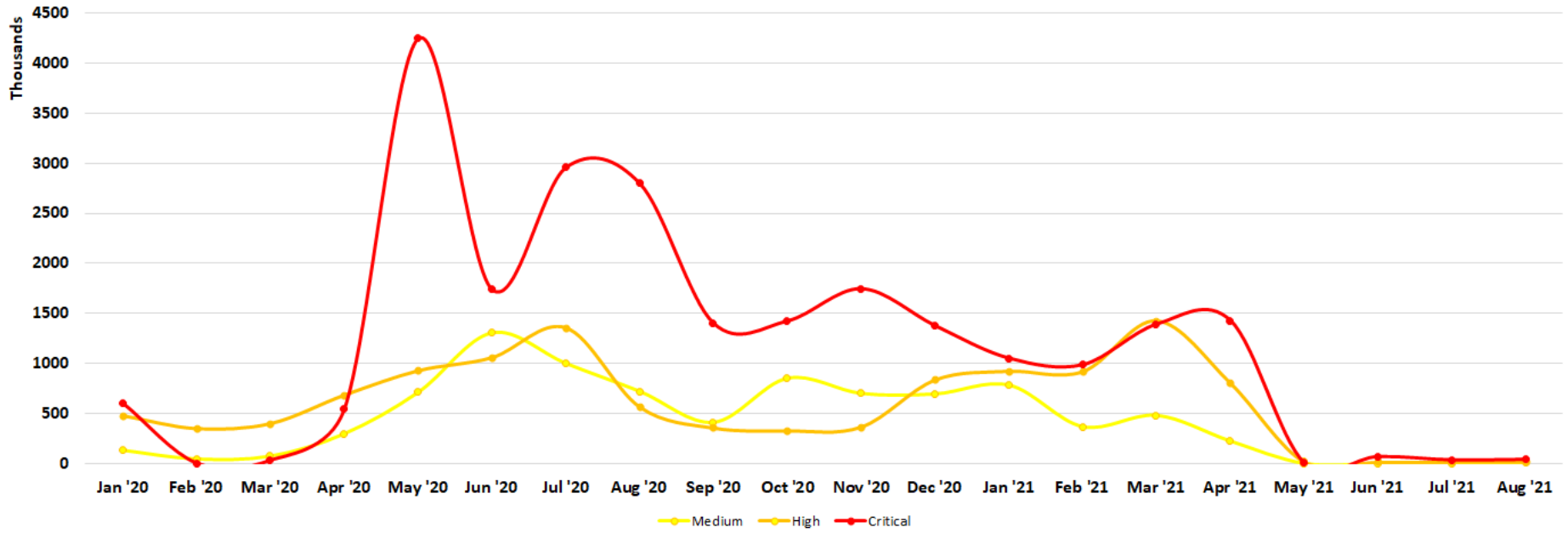
THREATS ARE BECOMING MORE COMPLEX



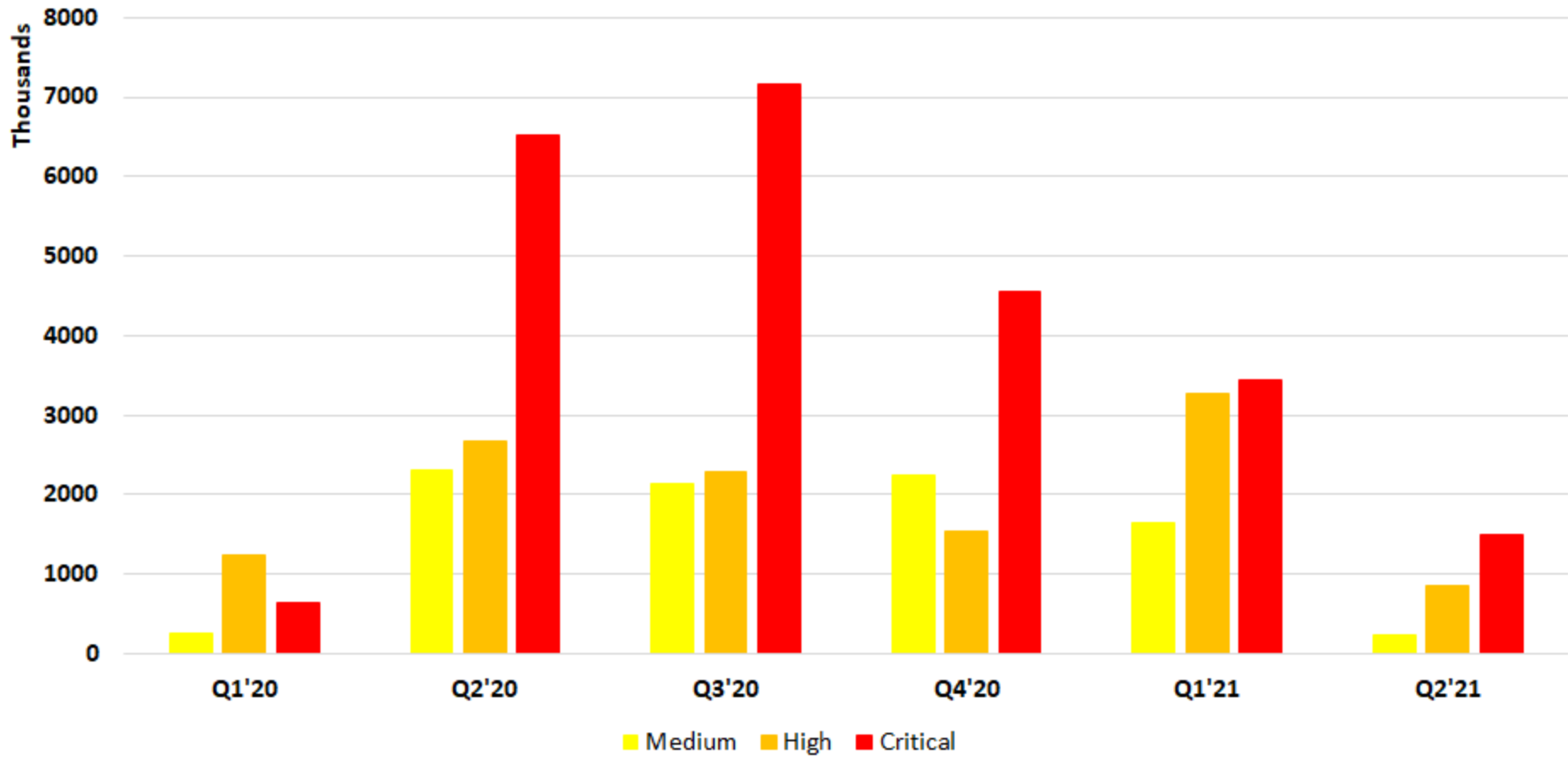
Cyber Security Threats by Severity (Jan '20 - Aug '21)



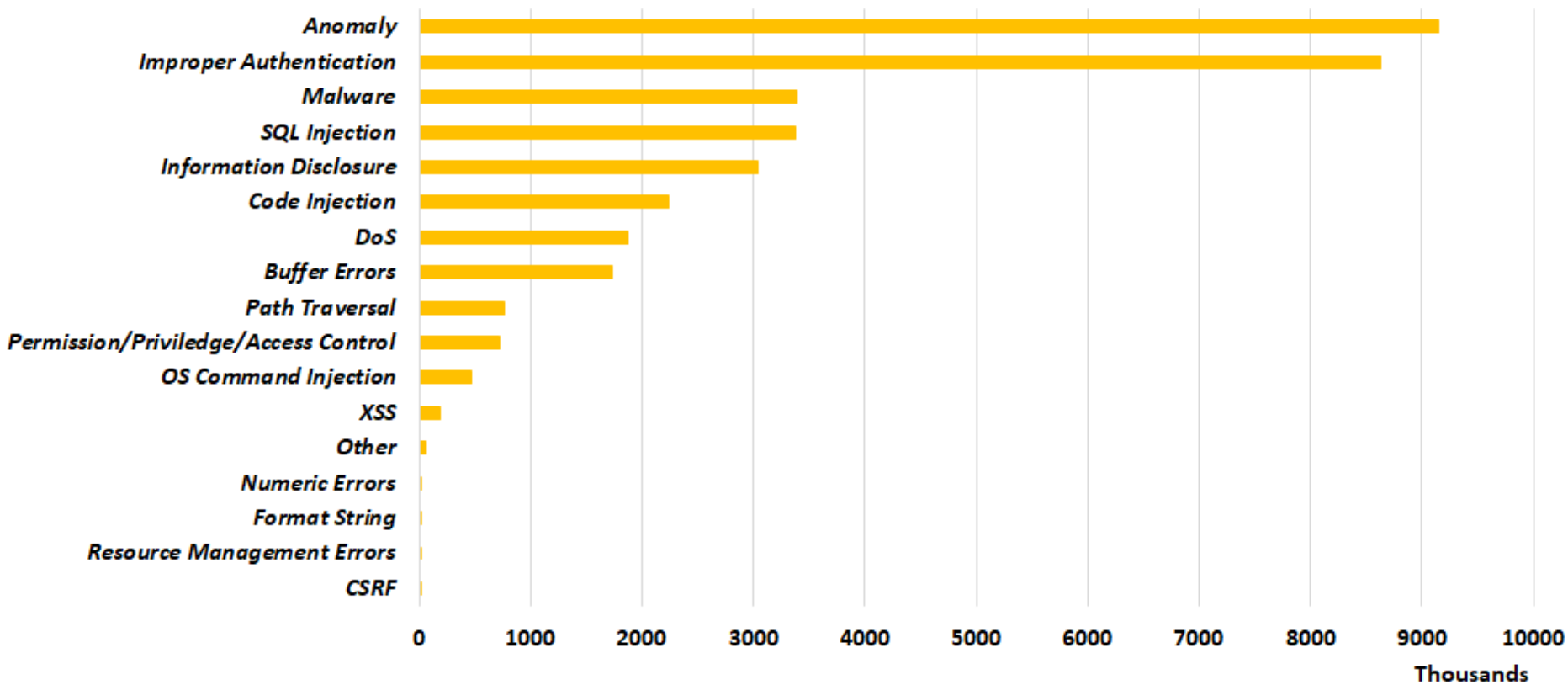
Evolution of Cyber Security Threats (Jan '20 - Aug '21)



Cyber Security Threats by Severity (Q1'20 - Q2'21)



Cyber Security Threats by Types (Q1'20 - Q2'21)



Capacity building and raise awareness

Moldova Cyber Week

Launched in 2012, “Moldova Cyber Week” is a large national cyber security event held annually under the patronage of the Government of the Republic of Moldova and organized by the “Information Technology and Cyber Security Service”

- **2013** “Cyber Security in Moldova: Challenges, Trends and Responses”
- **2014** - “Cyber Security in Moldova: Challenges, Trends and Responses”
- **2015** - “The role of the Public-Private Partnership in the field of cybersecurity”
- **2016** “Cyber exercises for people with decision-making functions in the public and private sectors”
- **2017** “ITU Joint ALERT cyber drill for Europe and CIS Regions”
- **2018** “Building a Secured Digital Future through Partnership”
- **2019** “Regional Cyber Resilience Forum Workshops”
- **2020** “Building a Strong Cybersecurity Infrastructure in the New Normal”
- **2021** “Cyber Resilience Forum”



MCW includes Conference, Workshops and Drills

MCW 2020 statistics:

- More than 40 cybersecurity experts invited as speakers within the Conference from 12 countries as: Australia, Romania, USA, Switzerland, Israel, Ukraine, Spain, Russia, Georgia, UK etc.
- 5 discussion panels and 9 keynote presentations with a total of 2000 viewers at live streaming Conference
- 9 Webinars with a total of 300 participants

The MCW 2021 aims to provide a better understanding of today's new cyber security reality by presenting condensed information in the regional context and stringent issues in the cyberspace. The current global strategic crisis has been compounded with new and emerging cyber threats with exponential growth in online operations in all sectors. MCW 2021 represents new thinking on how to shield ones' organization for a secure digital transformation.

<https://moldovacyberweek.md/>



Home About Agenda Speakers Partners Past events ▾ Contacts

23-26 November

Moldova Cyber Week 2021
Cyber Resilience Forum

Information Security Awareness

EDIȚIA A 3-A A CONFERINȚEI INTERNAȚIONALE

S.E. CENTER OF SPECIAL TELECOMMUNICATIONS
CYBER SECURITY CENTER (CST-CSC-MS)

Newsletter

SECURITATE
Provocări, Tendințe

PUBLIKA.MD

PUBLIKA.MD

CINE SPARGE BAZELE DE DATE ALE STATULUI

Programele malware

TEST-UL SI TESTAREA LA REȚEA RIM

ATRIȘTE I SA DATE SERBIIE

150

12

12

Zi-28 November

Moldova Cyber Week 2021

Cyber Resilience Forum

MOLDOVA WEEK 1020

69 : 23 : 57 : 35

NU UTILIZATI

DACĂ ATI DEVENI O VICTIMĂ A ATACULUI CIBERNETIC ADRESAȚI VĂ PENTRU SUPTOR LA CENTRALA PENTRU SECURITATEA CIBERNETICĂ EXPEDIND UN E-MAIL LA ADRESA: INFO@CERT.GOV.MD

12

SERVICIUL
TEHNOLOGIA INFORMAȚIEI
ȘI SECURITATE CIBERNETICĂ



Țineți-vă online și online!

Utilizați corect tehnologiile și instrumentele de securitate!

15.21

ATENȚIE! În contextul răspândirii de COVID-19, se aștează și o creștere semnificativă a incidentelor...

INTERNATIONAL PARTNERS

THREAT INTEL



CYBER COMMUNITY



CYBER SECURITY PROJECTS



FUTURE CYBERSECURITY



Next Steps

4 pillars for an efficient Cybersecurity Governance

TECHNOLOGY

Continuous improvement of hardware and software resources to ensure proactive and reactive actions against cyber threats.

EDUCATION

Raising awareness of the everyday visitors in cyberspace will develop in time a conscious society.

LEGAL FRAMEWORK

Legislation that keeps up with the current challenges of cyber threats and vulnerabilities must exist and continually evolve.

INTERNATIONAL COOPERATION

By improving international cooperation and mutual assistance on cyber threats among governments, industry and non-governmental organizations we will achieve a more secured cyberspace.

CONCLUSIONS

The background of the slide is dark with a fine grid pattern. In the center, the word "Security" is written in a light blue, sans-serif font, but it is heavily blurred. Below the word, there is a pixelated, hand cursor icon pointing upwards, also rendered in a light blue color. The overall aesthetic is technical and digital.

CONCLUSION



Cyber security is a **global problem** that has to be addressed globally by all governments jointly;



No government can fight cybercrime or secure its cyberspace in isolation;



International cooperation is essential to securing cyberspace;



It is **not a technology problem** that can be 'solved'; **it is a risk to be managed** by a combination of defensive technology.

Thank you!

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www.stisc.gov.md