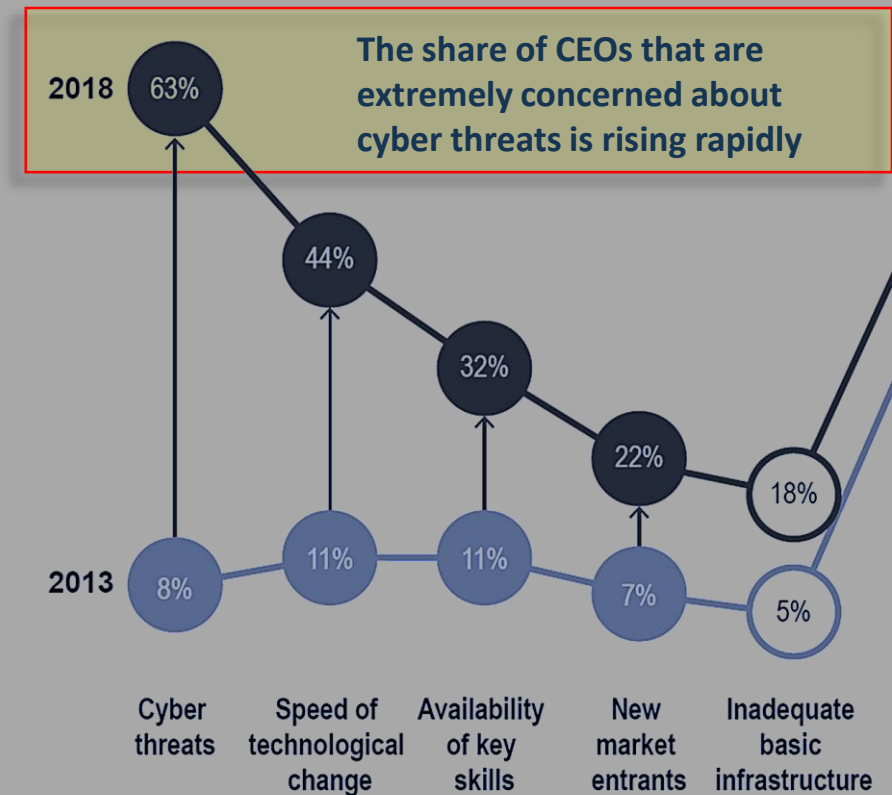


KYBERNETICKÁ BEZPEČNOST pocit alebo realita

JARNÁ ITAPA 2018

22.5.2018





Source: PWC January 2018



	Metrics							Content							Presentation Format			
	Score	Ranking	Information Society Development Score (ISD) score)	Cyber Maturity	Cyber Threats	Cyber Vulnerabilities	Organizational	Technical	Economical	Legal Framework	Cooperation	Capacity Buiding	Recommendations	Profiles	Website	PDF	Visualization	No. of Iterations
Cyber Maturity in the Asia-Pacific Region	x			x					x	x	x			x	x	x		2
National Cyber Security Index	x	x	x	x	x		x	x		x	x	x			x	x	x	1
Global Cybersecurity Index	x	x					x	x		x	x	x		x	x	x	x	2
Kaspersky Cybersecurity Index	x				x				x					x	x	x	x	1
Asia-Pacific Cybersecurity Dashboard		x		x			x			x	x	x		x	x	x		2
Cyber Readiness Index 2.0	x	x		x		x	x		x	x	x			x	x	x		2
Cybersecurity Poverty Index	x			x			x	x							x		x	1
CyberGreen Index	x	x			x			x							x		x	1
The Accenture Security Index	x	x			x		x	x	x		x		x		x	x	x	1
Global Cybersecurity Assurance Report Cards	x				x	x		x							x		x	1
Index of Cybersecurity					x			x							x	x	x	73
Cybersecurity Capability Maturity Model				x			x	x		x	x	x			x	x		2
Cyber Power Index	x	x		x			x	x		x		x			x	x	x	1
IBM X-force Threat Intelligence Index					x			x							x			3

The **NCSI 2017** includes 44 indicators / questions

GENERAL CYBER SECURITY INDICATORS	
1. Cyber security policies	7.00
2. Capacity to analyse national-level cyber threats	5.00
3. Capacity to provide cyber security education	9.00
Cyber safety competencies in primary or secondary education	1.00
Bachelor's level cyber security programme	2.00
Master's level cyber security programme	2.00
PhD level cyber security programme	2.00
Cyber security professional association	2.00
4. Contribution to international cyber security	6.00
BASELINE CYBER SECURITY INDICATORS	
5. Protection of digital services	5.00
6. Protection of essential services	6.00
7. E-identification and trust services	9.00
8. Protection of personal data	4.00
INCIDENT AND CRISIS MANAGEMENT INDICATORS	
9. Detecting and responding to cyber incidents 24/7	6.00
10. Crisis management	5.00
11. Fight against cybercrime	9.00
12. Military cyber operations	6.00



<http://ncsi.ega.ee/methodology-description/>

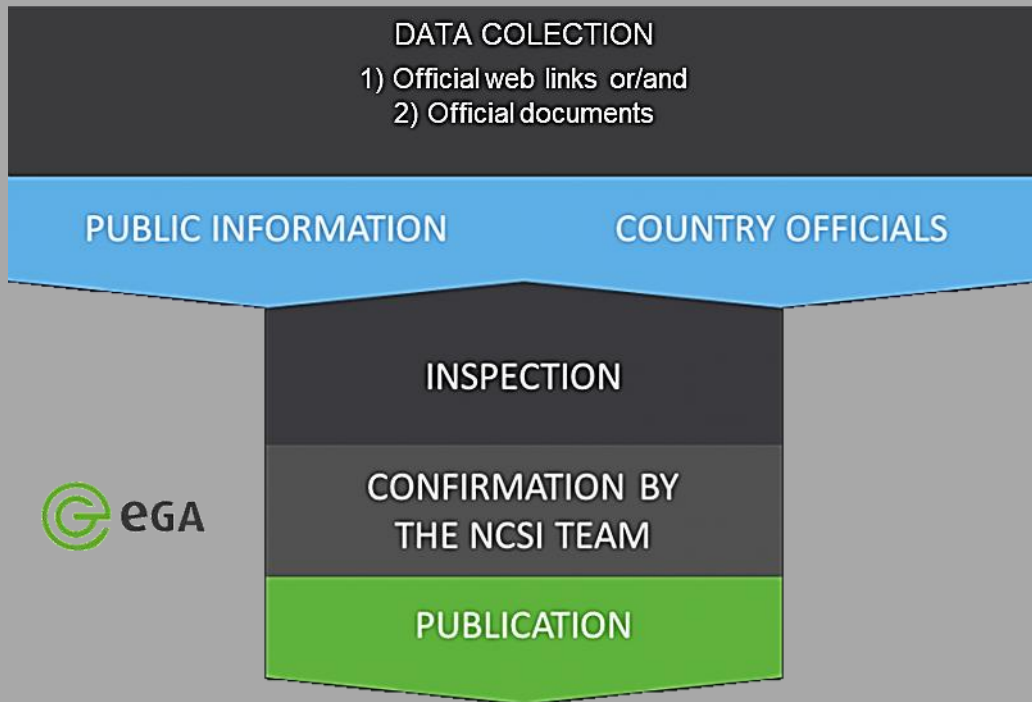
The **GCIv3 2018** includes 25 indicators and 50 questions

1. Legal Measures	10
Cybercriminal Legislation	4
Cybersecurity Regulation	4
Containment/curbing of spam legislation	2
2. Technical Measures	10
National, Government, Sectorial CERT/CIRT/CSIRT	3
Cybersecurity Standards Implementation Framework for Organizations	2
Standardization Body	1
Technical mechanisms and capabilities deployed to address spam	1
Use of cloud for cybersecurity purpose	1
Child Online Protection mechanisms	2
3. Organizational Measures	10
Strategy	5
Responsible Agency	2
Cybersecurity Metrics	3
4. Capacity Building	10
Public Awareness Campaigns	2
Cybersecurity Standards and Certification for Professionals	1
Cybersecurity Professional Training Courses	2
National Education Programs and Academic Curriculums	1
Cybersecurity Research & Development Programs	1
Incentive Mechanisms	1
Home Grown Cybersecurity Industry	2
5. Cooperation	10
Bilateral Agreements	3
Multilateral Agreements	2
Participation of international fora/associations	2
Public-Private Partnerships	1
Interagency/Intra-agency Partnerships	1
Cybersecurity Best Practices	1



<https://www.itu.int/en/ITU-D/Cybersecurity/Pages/GCI.aspx>





The NCSI Score shows the percentage of the maximum points

$$\text{NCSI Score} = \frac{\text{COUNTRY POINTS} \times 100}{\text{MAXIMUM POINTS}}$$

The online questionnaire – Y / N / P
Yes: 2 / No: 0 / Partial: 1



Relevant documents and urls uploaded for each question as supporting information

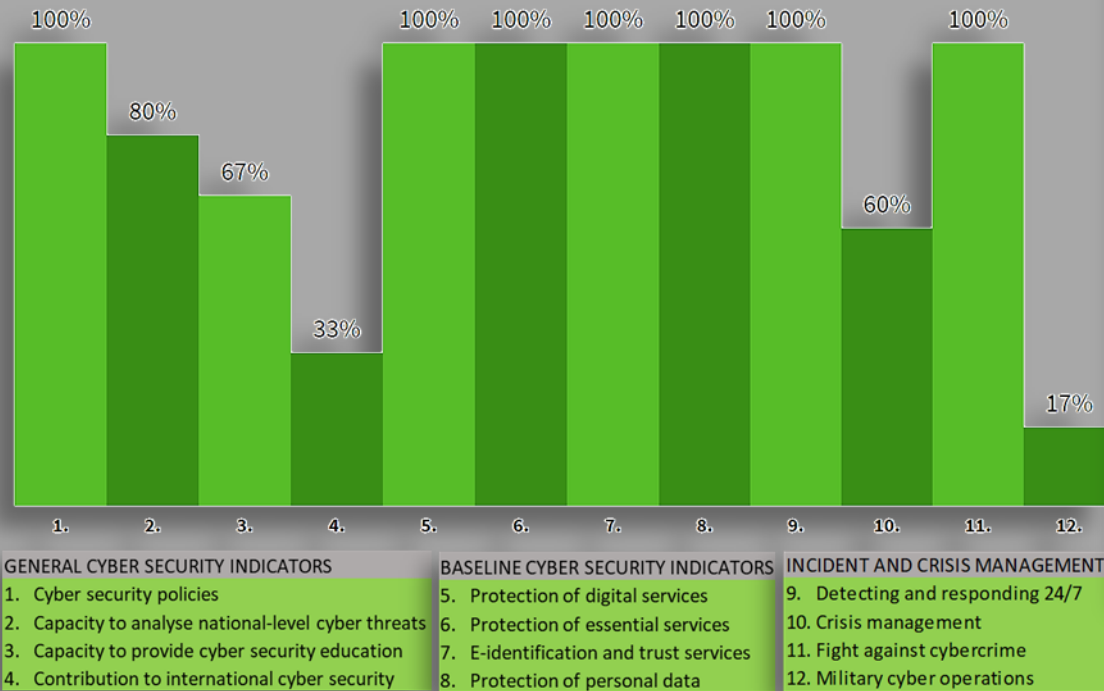
- Data analysis**
- Data collected for 194 Member States
 - Data approvals and validation
 - Quantitative analysis for ranking - scoring
 - Audit of analysis – JRC EC
 - Qualitative review of practices extraction

Information not expected to be of confidential nature.

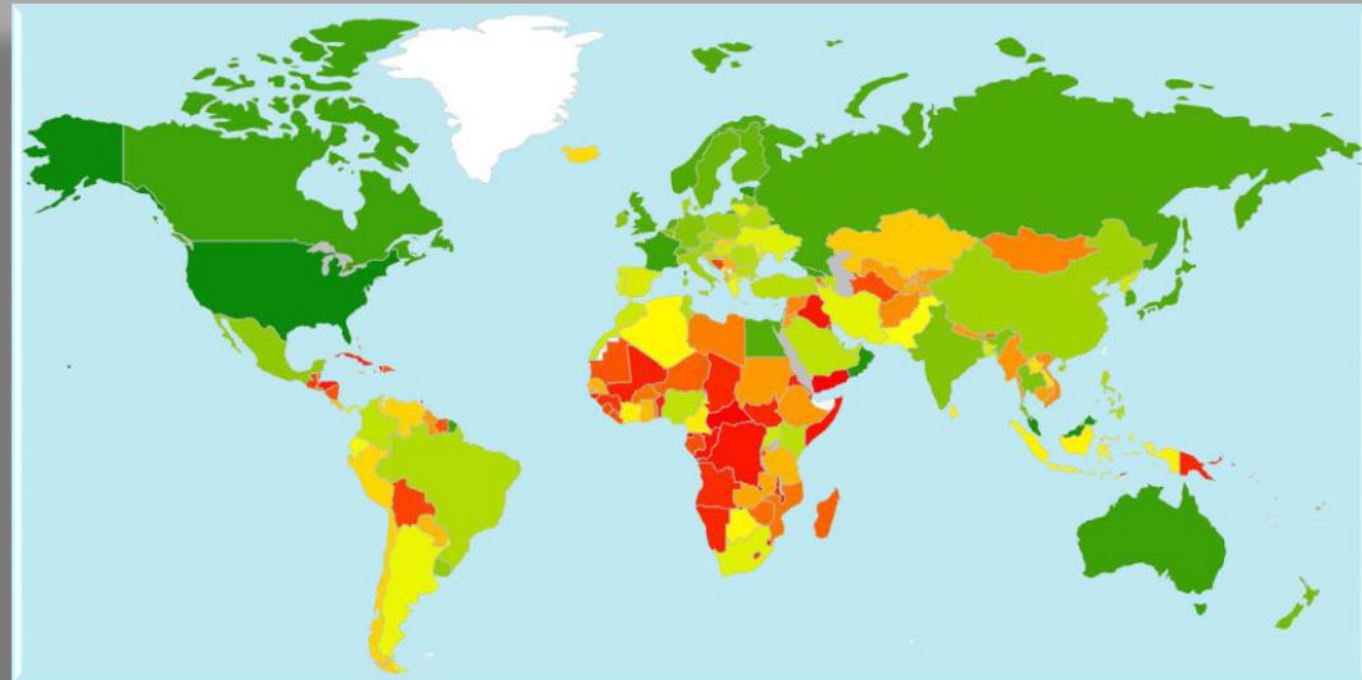
$$\text{GCI SCORE [0-1]} = \frac{\text{COUNTRY POINTS}}{\text{MAX POINTS}}$$

NCSI 2017

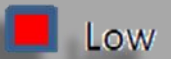
Slovakia



GCI Heat map 2017



Commitment levels



Dôležité sú otázky..



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Komunikácia

Dôvera

Kybernetická bezpečnosť

- Potrebujeme indexy? Kde pomáhajú a kde už treba niečo iné..?*
- Poznáme stabilitu národného kybernetického priestoru?*
- Kde môžeme posilniť spôsobilosti v odolnosti voči kybernetickým hrozbám..?*