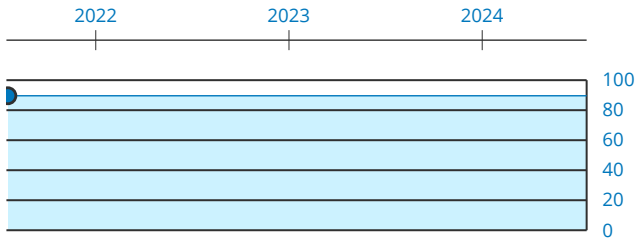


# 8. Portugal 89.61

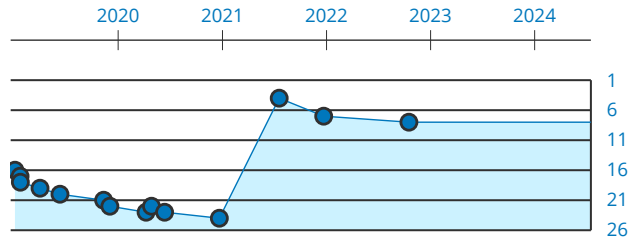
Population **10.4 million**  
 Area (km<sup>2</sup>) **92.1 thousand**  
 GDP per capita (\$) **32.0 thousand**

**8<sup>th</sup> National Cyber Security Index** ██████████ 90 %  
**14<sup>th</sup> Global Cybersecurity Index** ██████████ 97 %  
**44<sup>th</sup> ICT Development Index** ██████████ 71 %  
**29<sup>th</sup> Networked Readiness Index** ██████████ 5 %

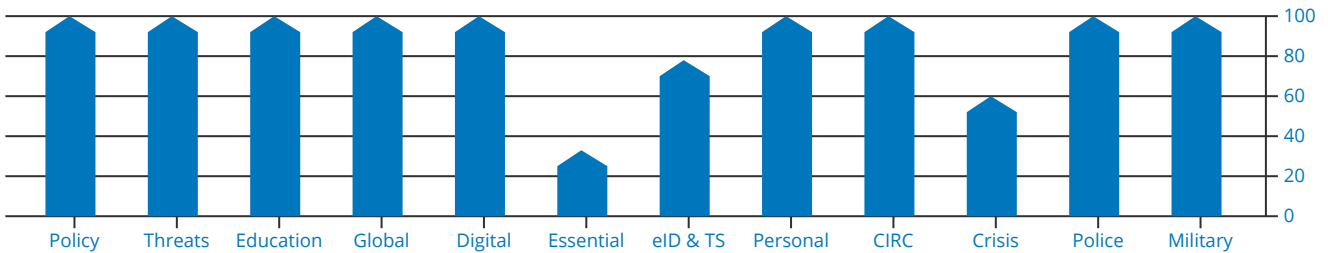
### NCSI DEVELOPMENT TIMELINE



### RANKING TIMELINE



### NCSI FULFILMENT PERCENTAGE



### GENERAL CYBER SECURITY INDICATORS

- 1. Cyber security policy development **7 (100%)**
  - 1.1. Cyber security policy unit 3
  - 1.2. Cyber security policy coordination format 2
  - 1.3. Cyber security strategy 1
  - 1.4. Cyber security strategy implementation plan 1

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- 2. Cyber threat analysis and information **5 (100%)**
  - 2.1. Cyber threats analysis unit 3
  - 2.2. Public cyber threat reports are published annually 1
  - 2.3. Cyber safety and security website 1

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- 3. Education and professional development **9 (100%)**
  - 3.1. Cyber safety competencies in primary or secondary education 1
  - 3.2. Bachelor's level cyber security programme 2
  - 3.3. Master's level cyber security programme 2
  - 3.4. PhD level cyber security programme 2
  - 3.5. Cyber security professional association 2

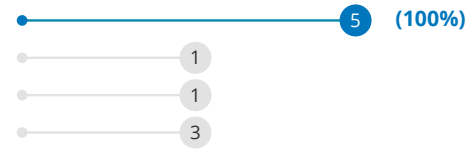
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- 4. Contribution to global cyber security **6 (100%)**
  - 4.1. Convention on Cybercrime 1
  - 4.2. Representation in international cooperation formats 1
  - 4.3. International cyber security organisation hosted by the country 3
  - 4.4. Cyber security capacity building for other countries 1

## BASELINE CYBER SECURITY INDICATORS

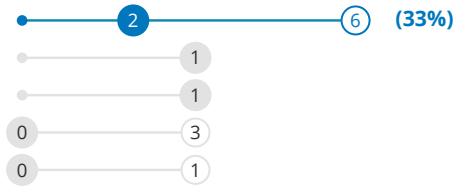
### 5. Protection of digital services

- 5.1. Cyber security responsibility for digital service providers
- 5.2. Cyber security standard for the public sector
- 5.3. Competent supervisory authority



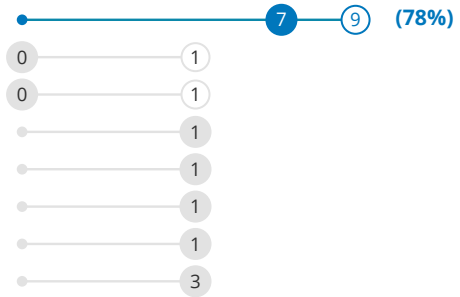
### 6. Protection of essential services

- 6.1. Operators of essential services are identified
- 6.2. Cyber security requirements for operators of essential services
- 6.3. Competent supervisory authority
- 6.4. Regular monitoring of security measures



### 7. E-identification and trust services

- 7.1. Unique persistent identifier
- 7.2. Requirements for cryptosystems
- 7.3. Electronic identification
- 7.4. Electronic signature
- 7.5. Timestamping
- 7.6. Electronic registered delivery service
- 7.7. Competent supervisory authority



### 8. Protection of personal data

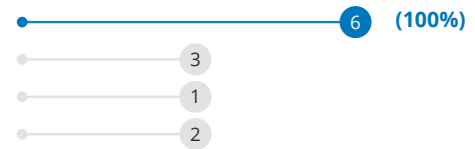
- 8.1. Personal data protection legislation
- 8.2. Personal data protection authority



## INCIDENT AND CRISIS MANAGEMENT INDICATORS

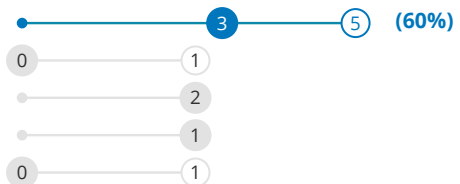
### 9. Cyber incidents response

- 9.1. Cyber incidents response unit
- 9.2. Reporting responsibility
- 9.3. Single point of contact for international coordination



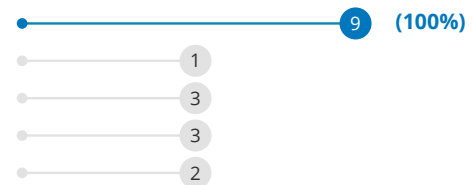
### 10. Cyber crisis management

- 10.1. Cyber crisis management plan
- 10.2. National-level cyber crisis management exercise
- 10.3. Participation in international cyber crisis exercises
- 10.4. Operational support of volunteers in cyber crises



### 11. Fight against cybercrime

- 11.1. Cybercrimes are criminalised
- 11.2. Cybercrime unit
- 11.3. Digital forensics unit
- 11.4. 24/7 contact point for international cybercrime



### 12. Military cyber operations

- 12.1. Cyber operations unit
- 12.2. Cyber operations exercise
- 12.3. Participation in international cyber exercises

