

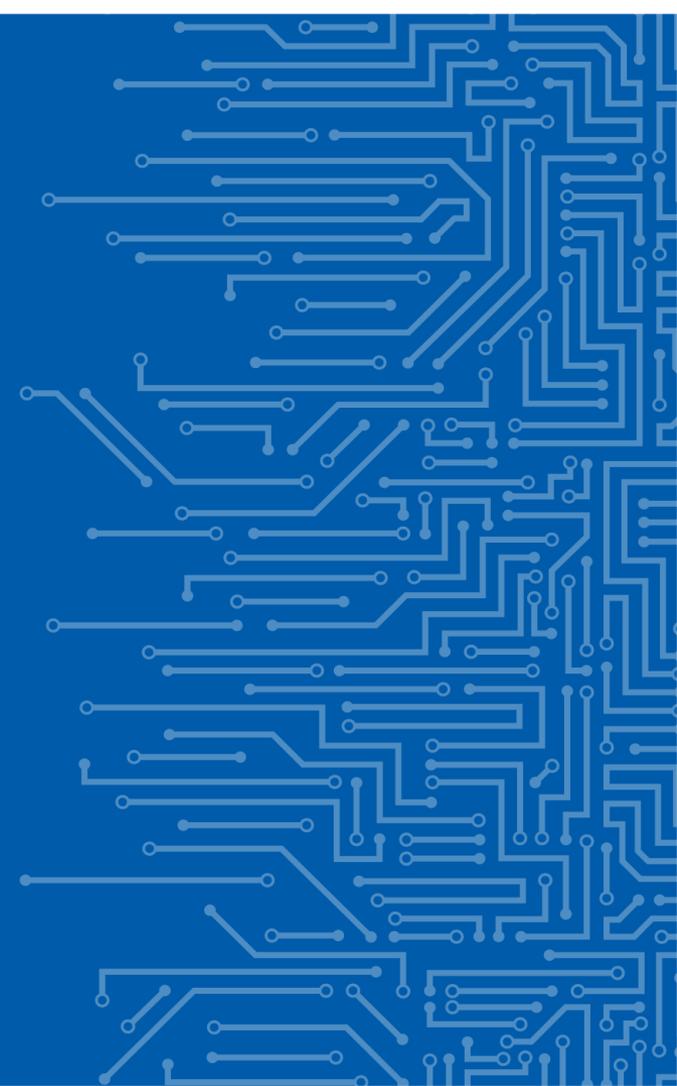


THE EU CYBERSECURITY AGENCY

# EUROPEAN CYBER SECURITY CHALLENGE

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29 | 01 | 2019



# EUROPEAN CYBER SECURITY CHALLENGE

- What is it?
- Goals, objectives, target audience
- How is it organised?
- Where are we now?
- Where do we want to go in the future.



# EUROPEAN CYBER SECURITY CHALLENGE

- **Project initiated under the umbrella of the EU CSS (Feb 2013):**

*“The Commission will organise, with the support of ENISA, a cybersecurity Championship in 2014, where university students will compete in proposing NIS solutions”.*

The approach was to leverage on existing national completions and build upon them a European Cyber Security Challenge.

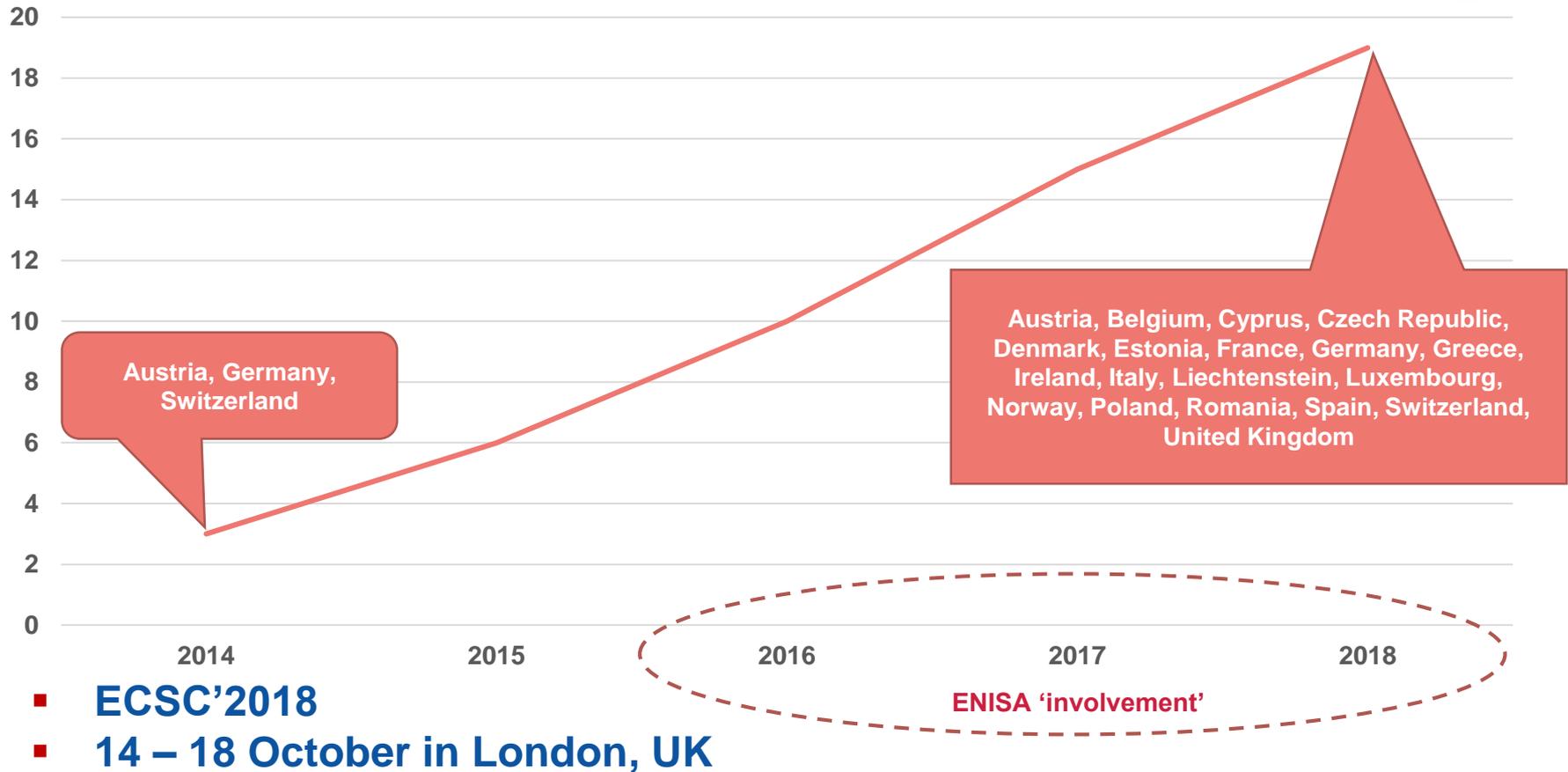


# GOALS AND TARGET AUDIENCES

- **Goals**
  - **Promote national CTF competitions**
  - Raise awareness and promote cyber security
  - Identify cyber security talents
  - Develop human networks
  - Promote ethics and values in cyber security
- **Target audiences**
  - Young students: career opportunities
  - European industries: scouting and mentorships
  - General public: placing cyber security on the pu



# ATTENDANCE EVOLUTION



# ECSC –ENISA CONTRIBUTIONS

- **Establishing a governance structure**
- **Growth of the competition**
- **Creating a common platform and central management of the challenges**
- **Increasing profile of the competition**



# ECSC2018 MISSIONS

| What  | Category               | Comments  |
|---|------------------------|---|
|  <p>8 missions</p>  | applied cryptography   | <p>OUTSOURCED</p> <p>Attacks against cryptographic primitives, weak protocols, faulty implementations, etc.</p> |
|  <p>8 missions</p>  | offensive security     | <p>OUTSOURCED</p> <p>Recon, exploit, escalate privileges, post-exploitation</p>                                 |
|  <p>8 missions</p>  | forensic investigation | <p>OUTSOURCED</p> <p>log analysis, memory forensics, etc.</p>   |
|  <p>8 missions</p> | miscellaneous          | <p>IN-HOUSE</p> <p>OSINT (graph theory), Mobile malware analysis (dynamic static), web scrapping, etc.</p>      |
| <p><b>TOTAL: 24 MISSIONS</b></p>  |                        | <p><b>Status: in production</b></p>   |

# ECSC2019 FINAL

- 09 – 11 Bucharest, Romania



## Confirmed

Austria

Cyprus

Czech Republic

Denmark

Estonia

France

Germany

Greece

Italy

Liechtenstein

Luxembourg

Norway

Poland

Romania

Spain

Switzerland

United Kingdom

## TBC

Belgium

Ireland

Iceland

NL

Malta

Portugal

Hungary

# ECSC – IN THE FUTURE

- **Further growth in terms of participation**
- **Logistics challenges for the host**
  - ENISA to take over the final?
  - Qualifications Rounds?
  - Mover to a bi-annual periodicity?
- **Ensuring financing for national teams**
- **Team Europe in International Competition?**



# THANK YOU FOR YOUR ATTENTION

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