



REWIRE

CYBERSECURITY SKILLS ALLIANCE A NEW VISION FOR EUROPE



REWIRE

CYBERSECURITY
SKILLS ALLIANCE

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EU SKILLS TRENDS AND NEEDS

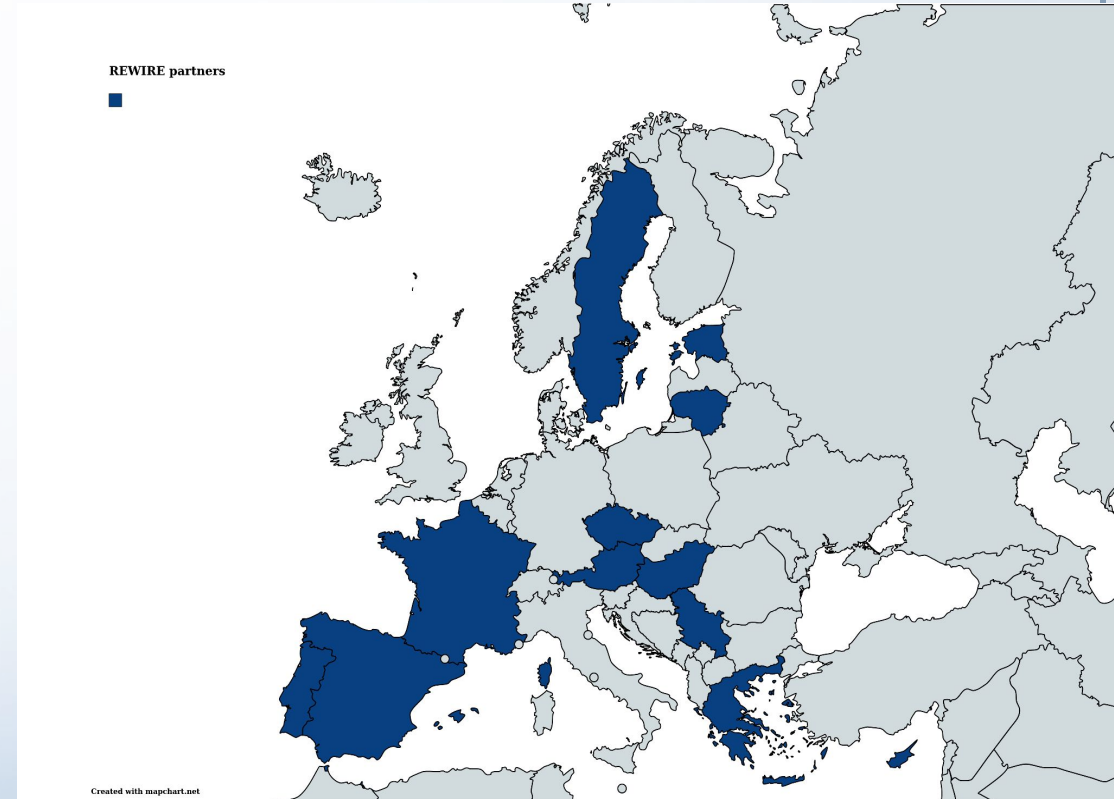
September 27th, 2024



Who we are

- **REWIRE** is a project funded by **ERASMUS+ Programme of the European union**, under Grant Agreement [621701-EPP-1-2020-1-LT-EPPKA2-SSA-B](#),
- involves **24 partners (12 countries)** representing academia, VET, cybersecurity industry, non-cyber industries, certification partners, European umbrella organizations,
- is built upon four H2020 pilot projects: ECHO, CONCORDIA, SPARTA, CyberSec4Europe,

REWIRE GOAL is to build a **Blueprint for the Cybersecurity industry** and a concrete **European Cybersecurity Skills Strategy**.



Behind the results

The following results are based on:

- **Analysis of Job Ads** related to **Cybersecurity Roles**
- **ECSF profiles**
- **AI-driven identification of skills** in job ads description
- Ads Collection in the period **2021-2024** across **31 EU countries**

Cybersecurity Job Ads Analyzer

+ Add job Clear filters and sorters Clear selection

Show in map

<input type="checkbox"/> Title	<input type="checkbox"/> Source	<input type="checkbox"/> Company	<input type="checkbox"/> Country	<input type="checkbox"/> Continent	<input type="checkbox"/> Year	<input type="checkbox"/> Profile
<input type="checkbox"/> Senior Information Security Analyst	<input type="checkbox"/> LinkedIn	Conduent	Czech Republic	Europe	2021	CRM
<input type="checkbox"/> Information Technology Security Manager	<input type="checkbox"/> LinkedIn	Global Blue	Austria	Europe	2021	CAu
<input type="checkbox"/> Security Analyst	<input type="checkbox"/> LinkedIn	Oracle	Czech Republic	Europe	2021	CTIS
<input type="checkbox"/> Infrastructure Security Architect - Prague	<input type="checkbox"/> LinkedIn	AVON	Czech Republic	Europe	2021	CAr
<input type="checkbox"/> Tier 1 Security Engineer	<input type="checkbox"/> LinkedIn	Verizon	Czech Republic	Europe	2021	CIR

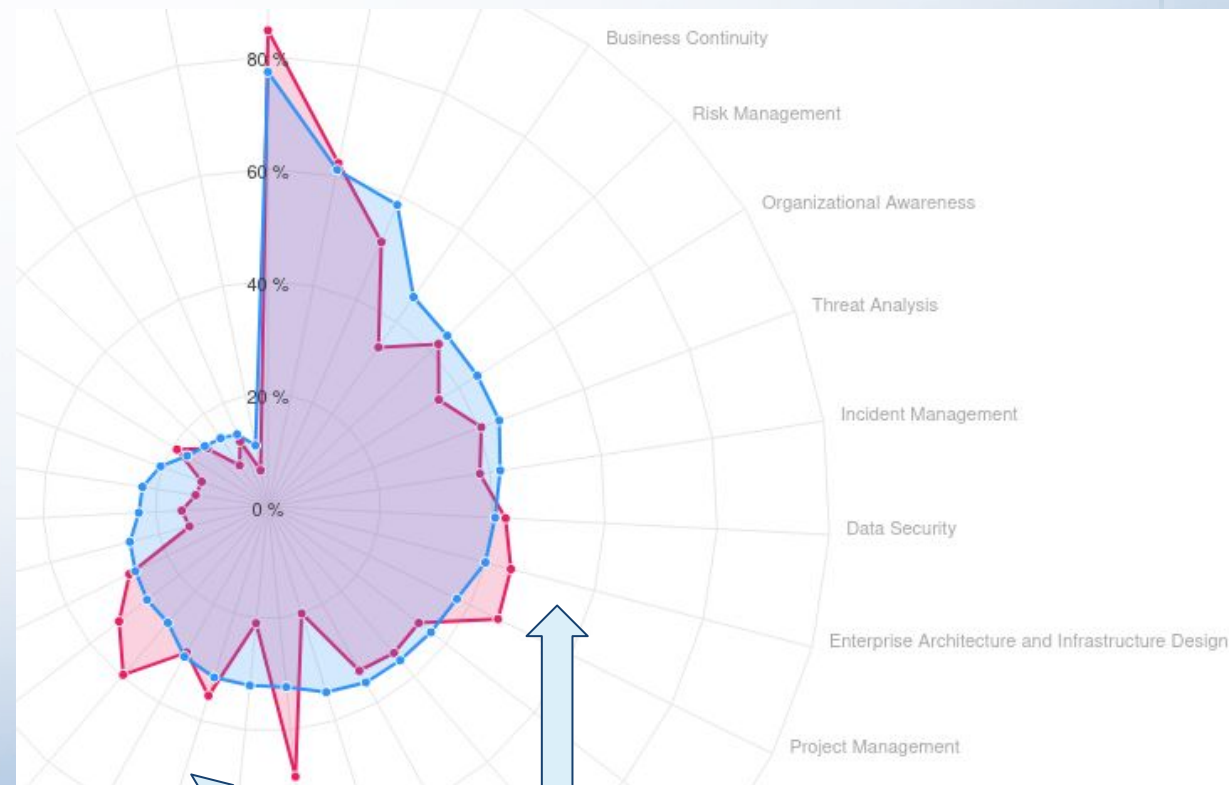
Top Skills and Profiles (2021-2024)

Top Skills (among 31 classes)

- Collaborate and Communicate
- Information Security Controls Assessment
- Information Systems and Network Security
-

Top ECSF Profiles

- Cybersecurity Architect
- Cybersecurity Implementer
- Cyber Incident Responder



Skills chart of the **whole data set** (in blue) with **C. Architect-related job ads** (in red).

Problem solving and Critical Thinking

Enterprise architecture and Infrastr. Design

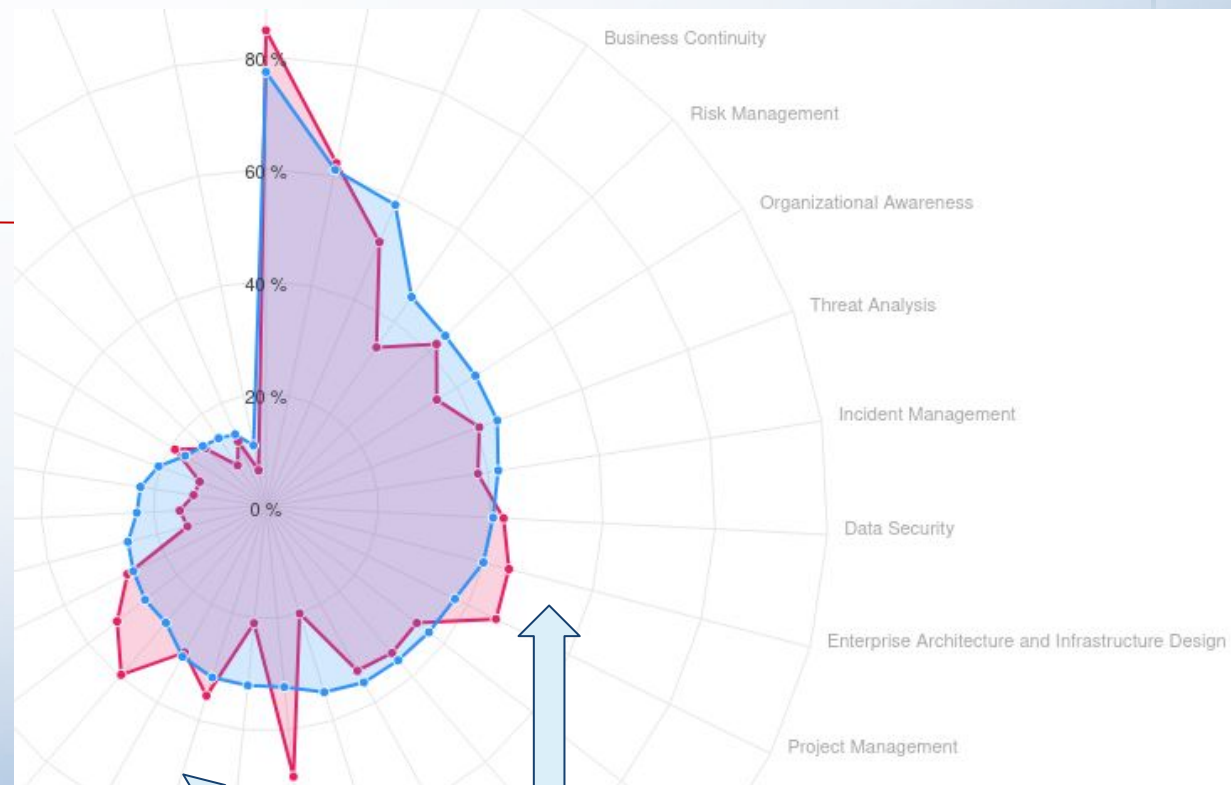
Top Skills and Profiles (2023-2024)

Top Skills (among 31 classes)

- Collaborate and Communicate
- ~~Information Security Controls Assessment~~
- Information Systems and Network Security
- **Critical Thinking & Problem Solving**

Top ECSF Profiles

- Cybersecurity Architect
- Cybersecurity Implementer
- Cyber Incident Responder



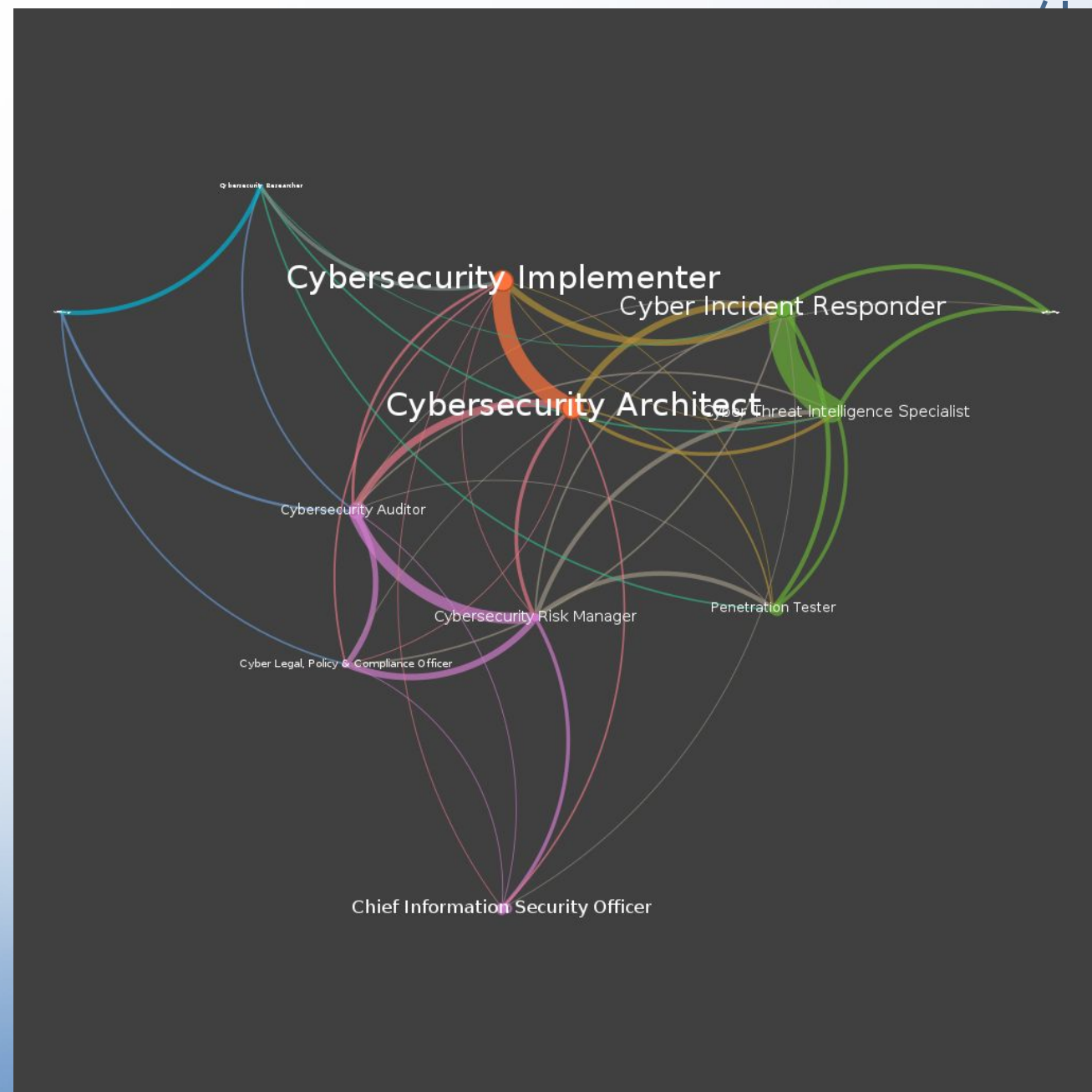
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Problem solving and Critical Thinking

Enterprise architecture and Infrastr. Design

Match Analysis

- **Ads can be associated with more profiles**
- the **network map shows the match between profiles**
- **Strong Matches:**
 - C. Architect + C. Implementer
 - C. Incident R. + C. Threat Analyst
- **Modularity Optimization** splits the graph into **4 partitions:**
 - Implementer & Architect
 - Incident Resp., Threat Analyst & Pen Tester
 - CISO, Auditor, Risk Manager, & Legal, Policy, and Compl. Officer.
 - Researcher & Educator



CYBER ABILITY PLATFORM and CONCLUSION

These analyses

- are part of the **CyberABILITY platform** ([this link](#)) - online web application
- are a project results (limited to the project timeframe and capabilities)
- **can be applied to any dataset** with cybersecurity orientation
- can be applied per year for trend analysis



THANK YOU



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More information:

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