

CyBOK

The Cyber Security Body Of Knowledge



Foundations and Resources for the Community

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Codify ***foundational*** and generally recognised knowledge in cyber security following broad community engagement nationally and internationally

A ***guide*** to the body of knowledge

Focus is on ***established foundation*** of the subject (not on everything that has ever been written or on still-emerging, nascent, topics)

International
effort

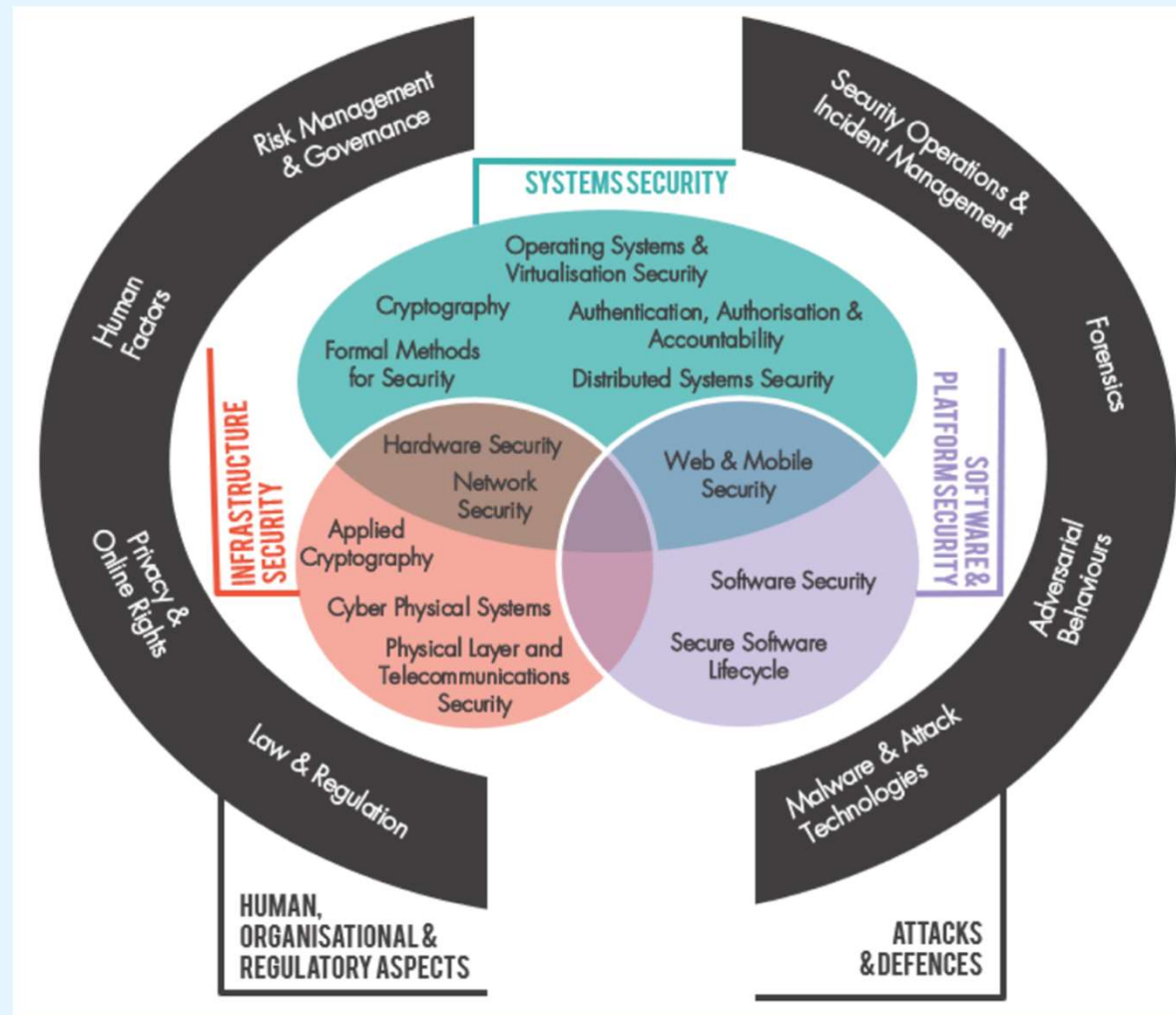
For the
community by
the community

Open and
freely
accessible

Transparency

- >115** Experts: Authors, Reviewers, Advisors
- >1000** Pages
- >2200** Authoritative sources
- >1600** Comments from wider community
- >30** Invited talks, panels and keynotes

CyBOK 1.1



Keeping the Foundations Strong

Open call for proposals to update current KAs or propose new ones: *CyBOK 1.0 -> CyBOK 1.1*

Not just reactive but also proactive: *pro-active expert review of KAs in each category to identify if/where there is a need to refresh the knowledge captured within CyBOK*

Pro-actively develop guides that capture practical pathways through CyBOK or emerging knowledge in the community

Supplementing the Foundations

Knowledge Guides: Emerging topics or those that are still developing broadly agreed foundations

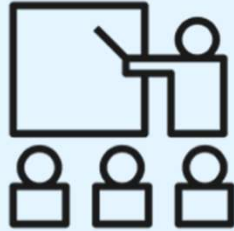
Security and Privacy of AI

Security Economics

Topic Guides: Practical applications that cut across multiple CyBOK KAs

AI for Security




Design new university or professional training programmes

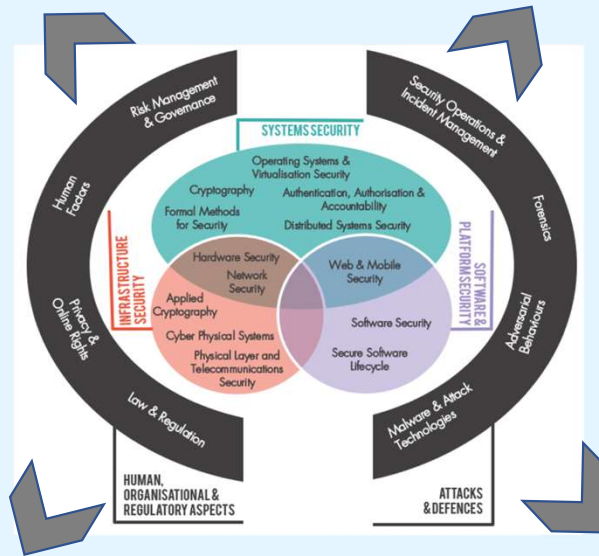


Contrasting different programmes



Design new certification schemes

	<p>Postgraduate Master's Degrees providing a general, broad foundation in cyber security Based on the Cyber Security Body of Knowledge (CyBOK).</p> <p>PDF • 797 KB • 54 PAGES</p>
	<p>Postgraduate Master's Degrees focusing on a specialised area of Cyber Security Based on the Cyber Security Body of Knowledge (CyBOK).</p> <p>PDF • 849 KB • 56 PAGES</p>
	<p>Bachelor's in Computer Science and Cyber Security Two certifications: A) providing a general broad foundation and B) focusing on a specialised area of...</p> <p>PDF • 753 KB • 69 PAGES</p>



Knowledge requirements for job roles

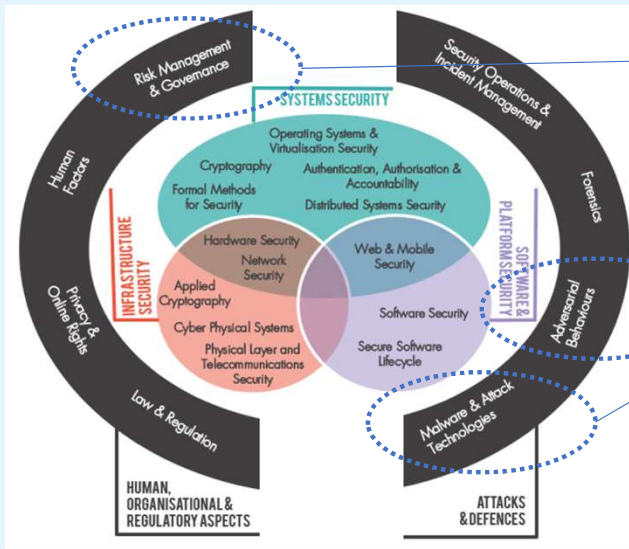


Traceably meeting certification requirements



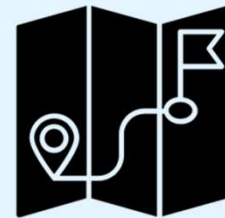
Benchmarking capacity



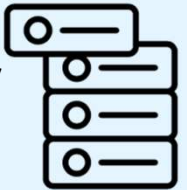


- Risk Management & Governance
- Adversarial Behaviours
- Malware and Attack Technologies

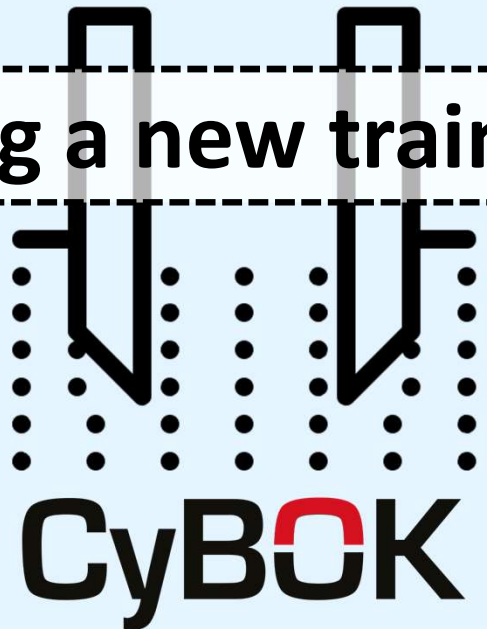
Mapping reference
with > 13000 terms

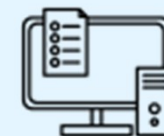
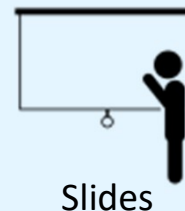
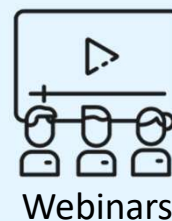
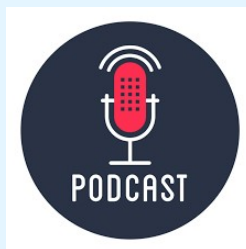
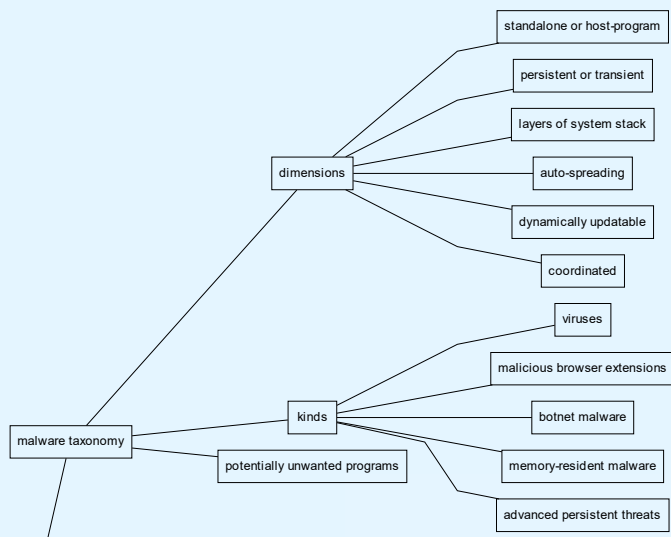


An index for easy
look up of terms



Designing a new training course



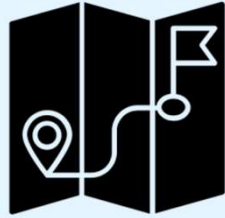


Lesson Plans,
Labs and
Exercises

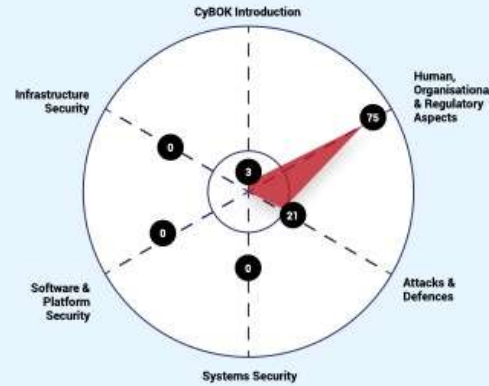
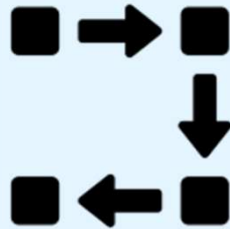
Designing a new training course



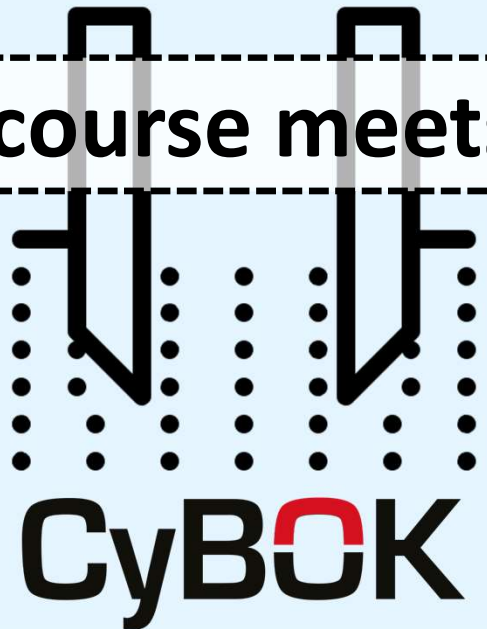
Mapping reference
with > 13000 terms

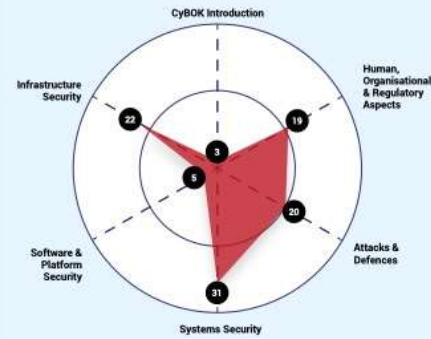
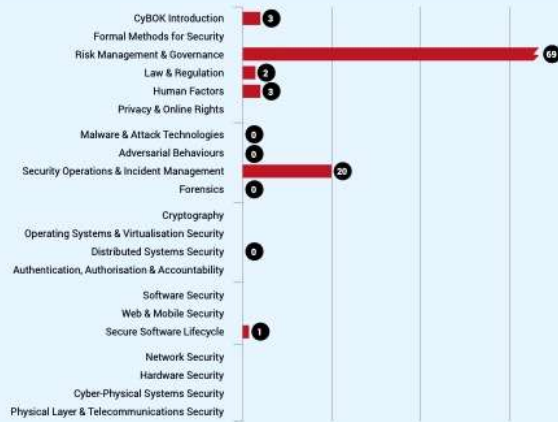
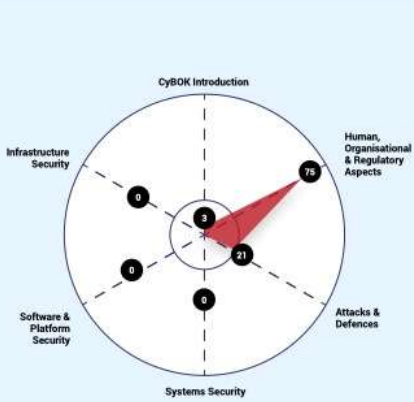


Mapping
Framework

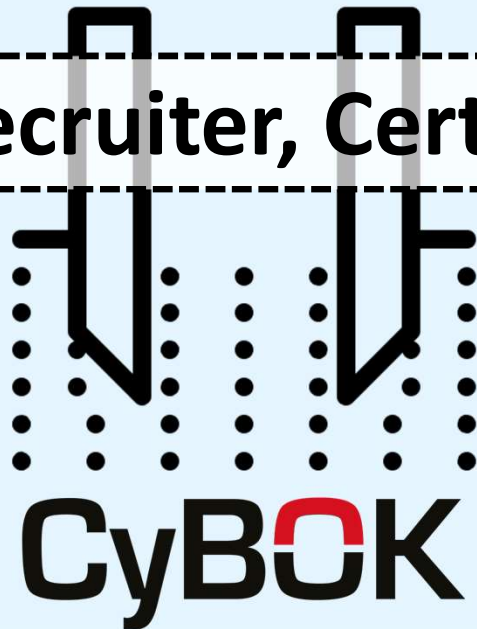


Showing a course meets training needs





Learner, Recruiter, Certification Body



6 Professional Programmes

51 University Degrees

CyBOK

**The Cyber Security
Body of Knowledge**

**Mappings of University
and Professional Training
Programmes to CyBOK**

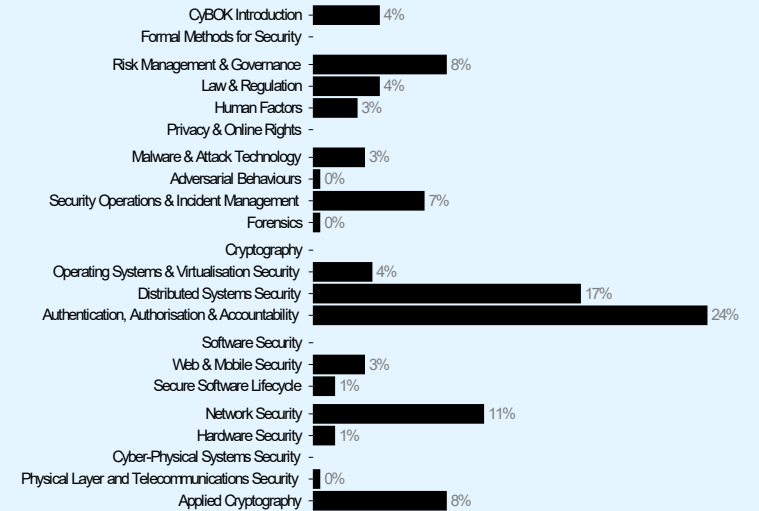
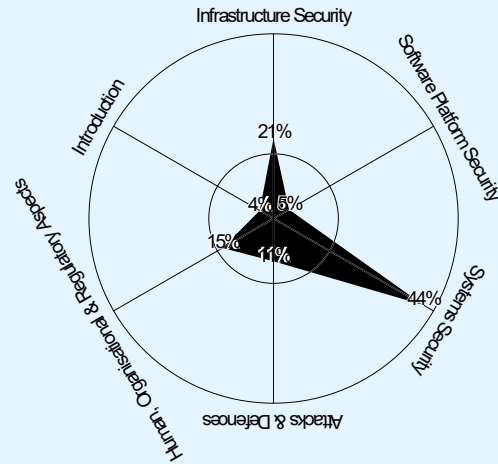


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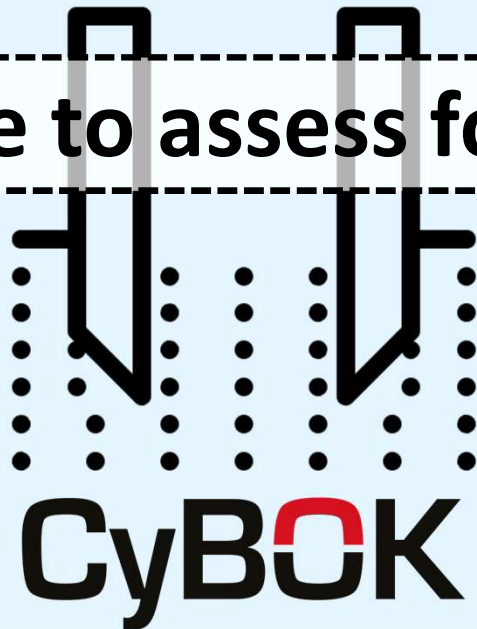
Mapping Booklet Version 2.2
Mappings are based on either CyBOK v1.0.0 + Formal Methods for Security or CyBOK v1.1.0

CyBOK

NCSC Cyber Advisor (Cyber Essentials)



What knowledge to assess for particular roles?

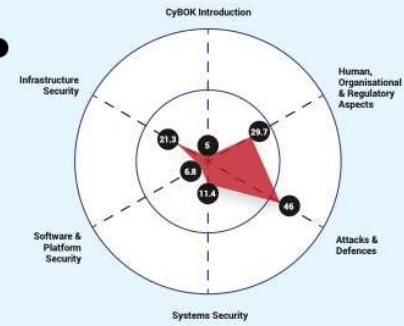
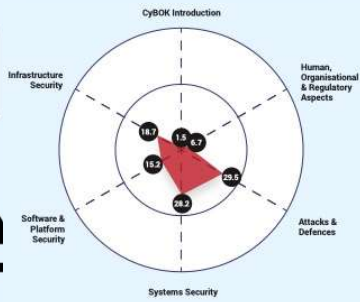
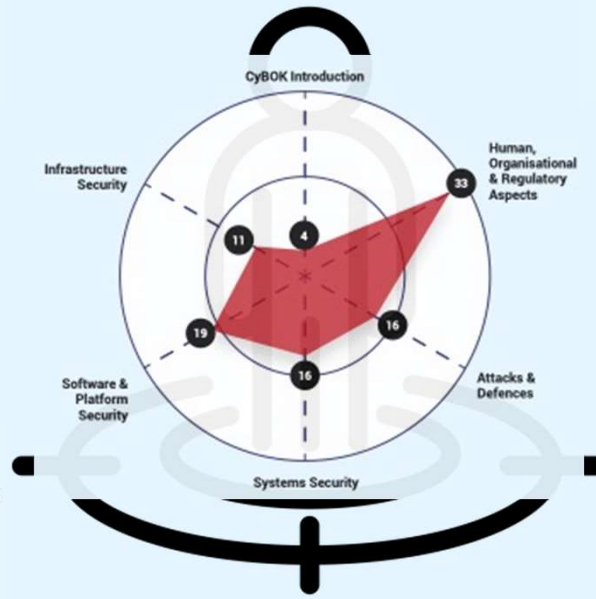
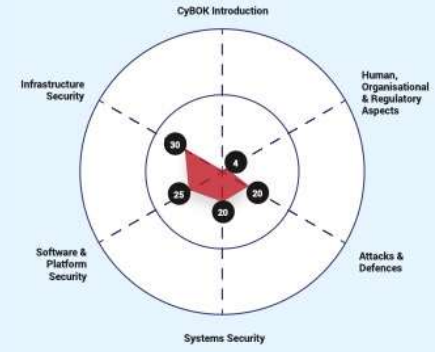
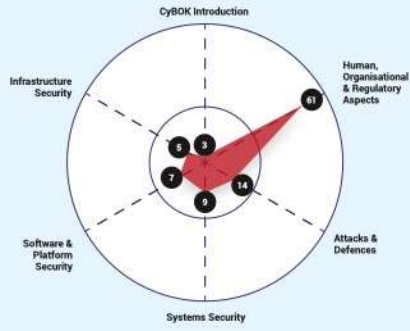


My organisation's cyber security capability is ...

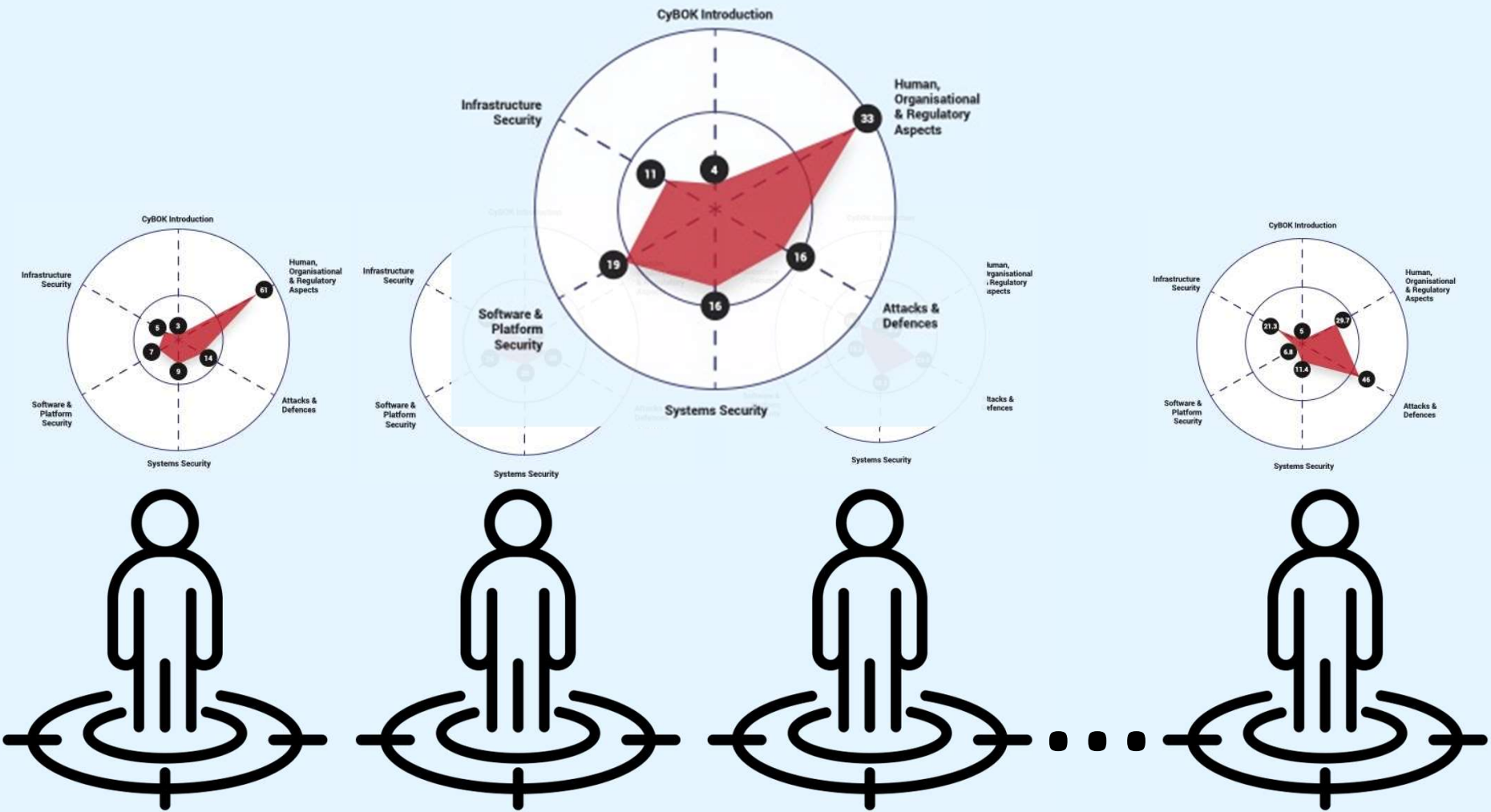
Benchmarking Capacity

The logo for CyBOK (Cyber Security Body of Knowledge) features two stylized, downward-pointing arrows. Each arrow is formed by a vertical line on the left and a vertical line on the right, with a horizontal line at the top. The space between the two vertical lines is filled with a grid of small black dots. Below the arrows, the text "CyBOK" is written in a bold, sans-serif font, with the letter "O" highlighted in red.

CyBOK



CyBOK





Course Shells



Practical exercises,
labs and CTFs



Case studies



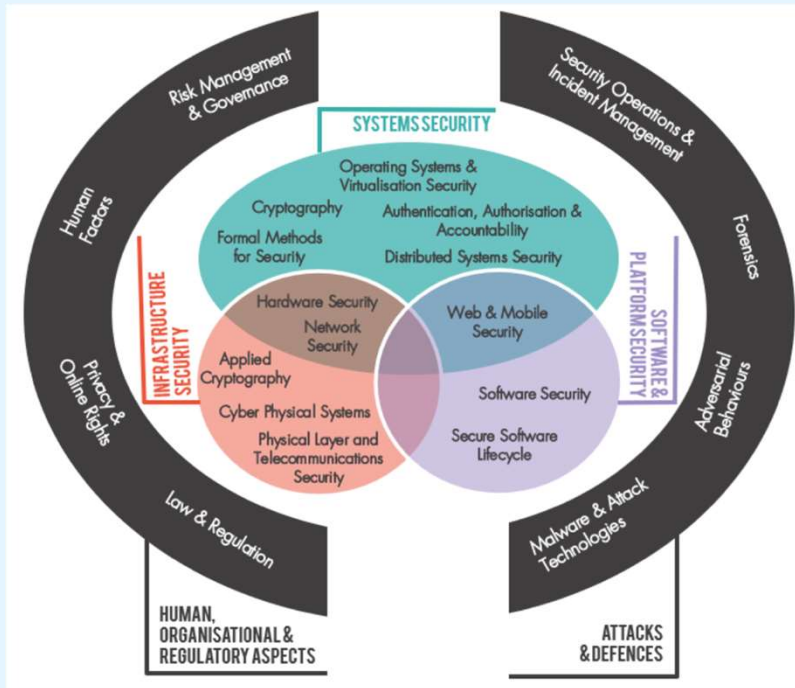
Outreach
resources



Reports on
relevant topics

Future of CyBOK

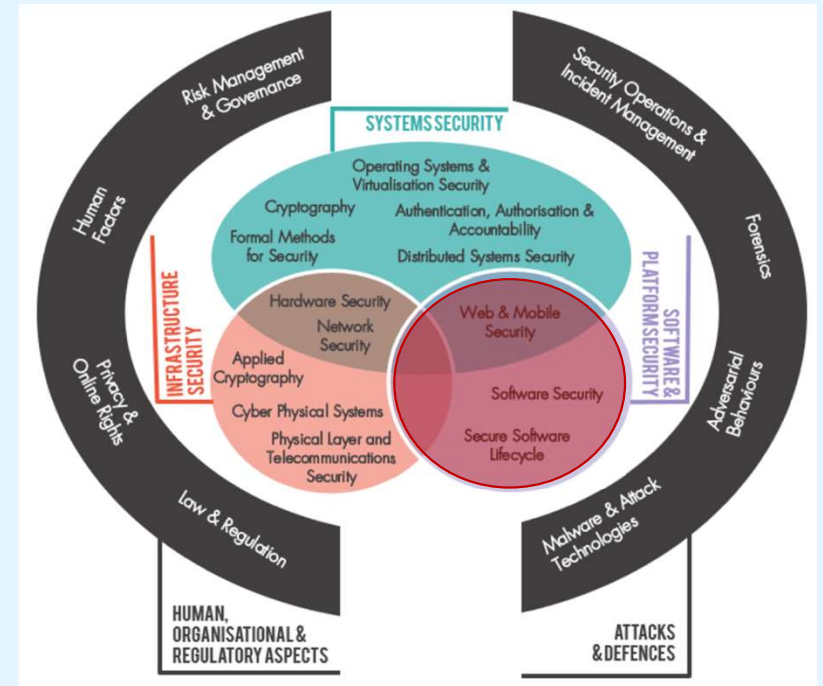
From V1.1



Pro-active Review



To V...



From

To

- Knowledge Guides
 - Security and Privacy of AI
 - Security Economics
- Topic Guides
 - AI for Security

- Knowledge Guides
 - Security and Privacy of AI
 - Security Economics
 - ...
- Topic Guides
 - AI for Security
 - *Cloud Security*
 - ...



Course Shells



Practical exercises,
labs and CTFs



Case studies



Outreach
resources



Reports on
relevant topics

From

CyBOK
The Project

*Long term
Sustainability*



To

CyBOK
*Community
Interest Company*

Now

Transition



Summer 2026

CyBOK CIC

Founding Directors

- Professor Awais Rashid
- Dr. Yulia Cherdantseva
- Professor Andrew Martin
- Dr. Matilda Rhode
- Professor Steve Schneider

Initial focus on:

- Input from community
- Governance structures
- Partnership with professional and educational organisations
- Funding sources to sustain and evolve CyBOK and associated resources beyond summer 2026

CyBOK CIC

International
effort

For the
community by
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By the Community**

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