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# Assessing the cross-disciplinary accessibility of CyBOK

Xavier Carpent and  
Steven Furnell  
School of Computer Science



# Assessing cross-disciplinary accessibility of CyBOK

- Cyber security commonly associated with computing and IT
- However, clearly relevant to **wider audience**
- Methodology
  - Gathering insights of IT-dependent professionals in non-security roles and non-tech sectors
  - Establishing perception of cyber security + what is relevant in their context
  - Identifying where sector has need for/contributes towards cyber security



# Phases

- Phase I: online survey
  - Capturing key words or phrases (KWOPs)
  - Attempt to map against CyBOK
  
- Phase II: Discussion workshops
  - Present findings, discuss



# Phase I: Survey

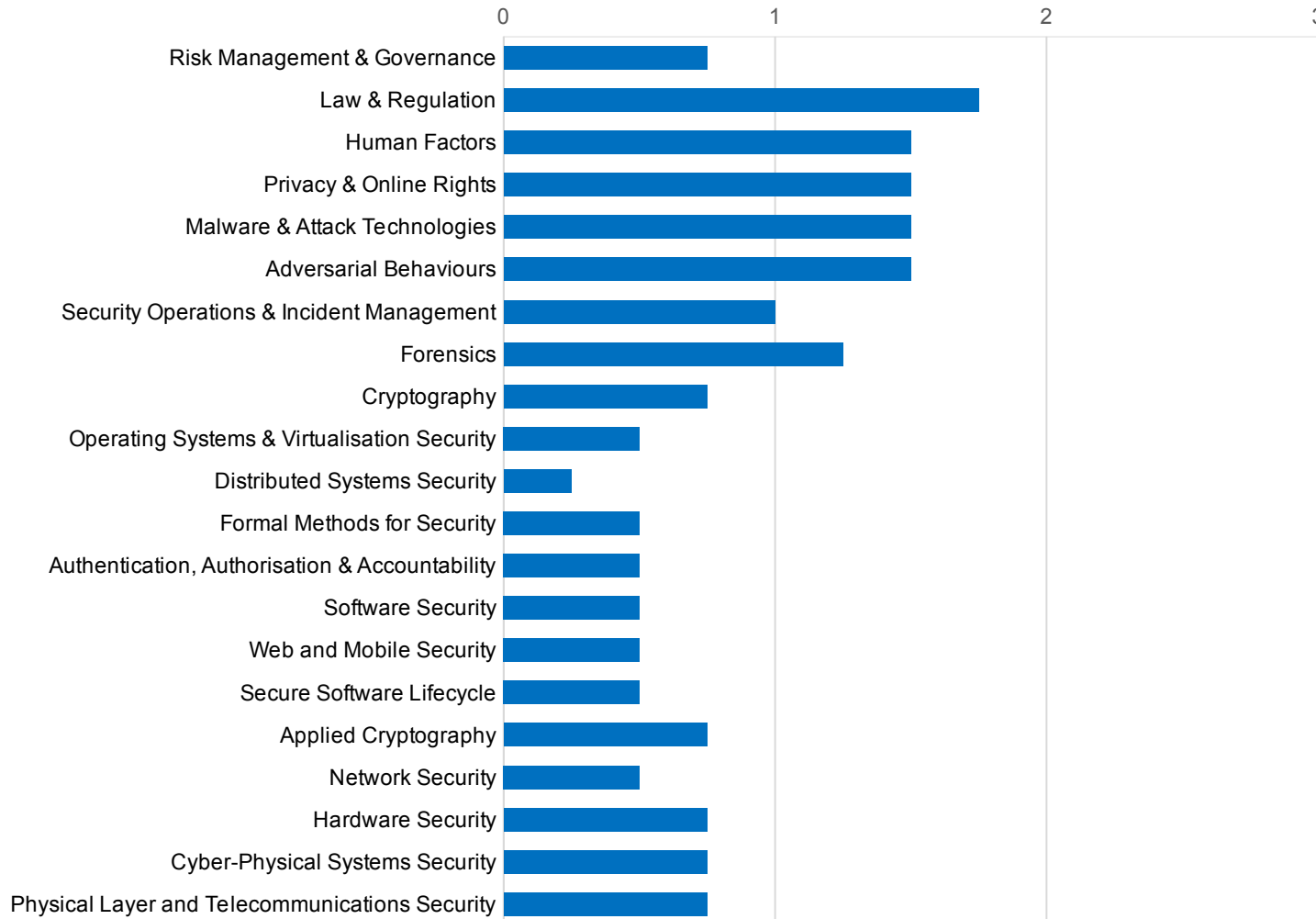
- List any keywords or phrases that you **associate** with the cyber security **needs** of your organisation
- List any other keywords or phrases that you **associate** with cyber security as a **topic**
- Identify any topics that you feel that your sector **contributes** to cyber security
- Indicate your **understanding** of the different CyBOK Knowledge Areas and their **relevance** to your organisation

Basis for identifying indicative KWoPs from the sector

Indication of how 'meaningful' the top-level descriptors are



# Survey: Example Results (Subset from Law Sector)



- Understanding of CyBOK Knowledge Areas
- Based on KA titles + brief descriptions from *CyBOK Tabular Representation*
- Average across the respondents where:
  - 0 = I have no understanding
  - 1 = I have a little understanding
  - 2 = I have a reasonable understanding
  - 3 = I have a good understanding



# Survey: Example Results (Subset from Law Sector)

- *Please list any keywords or phrases that you associate with cyber security needs of your organisation*
  - Encryption. Password. Confidential. Data Protection. Secure Backup
  - Hacking Data Protection
  - Privacy Sensitivity of data Data protection Personal information Encryption VPN Remote access Shared drive access Password Secured Drive Redaction of documents Secure e-mail accounts
  - Passwords, passcodes, dual authentication, secure email



# KWoP example mappings

KWoP	KA Mapping	
<b>Ransomware</b>	<b>SOIM AB LR MAT CPS RMG</b> Also 'Ransomware Detection' in <b>MAT</b>	
<b>Secure email</b>	Not found  However, a range of KAs are associated with 'Email':	
	EMAIL - <b>WAM</b> EMAIL ACCOUNT - <b>LR</b> EMAIL ADDRESS – <b>AB AAA POR</b> <b>SOIM HF MAT</b> EMAIL AND MESSAGING SECURITY - <b>NS</b> EMAIL ATTACHMENT - <b>MATWAM</b> EMAIL CLIENT - <b>SOIM</b> EMAIL ENCRYPTION - <b>HF</b>	EMAIL LIST - <b>AB</b> EMAIL MESSAGE - <b>F</b> EMAIL REGULATION - <b>AB</b> EMAIL SECURITY SOLUTION - <b>NS</b> EMAIL SERVER – <b>NS SOIM AB LR</b> EMAIL SPAM - <b>AB</b> EMAIL SYSTEM - <b>AAA POR SOIM</b> <b>HF PLT</b>



## Phase II: Workshop

- Material covers **expected** aspects?
- **Presentation** (e.g. phrasing, level of content) meaningful?
- How would the content need to be reframed to make it **more accessible**?





# Workshop: Preliminary Findings (Law Sector)

- Recurring comments
  - Unclear who the audience is
  - Lacking a bit of framing
  - Too technical, terse
  - “By a X, for a X”
  
- Suggestions
  - Non-expert perspective and input?
  - “Example-driven” approach?
  - Explain consequences of non-compliance?
  - Glossary/non-technical introduction?



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**Thank You**

**[xavier.carpent@nottingham.ac.uk](mailto:xavier.carpent@nottingham.ac.uk)**