Cyber Security Body of Knowledge

Enhancing Security Architecture Frameworks to Accommodate the CyBOK Knowledge Areas for Practitioners

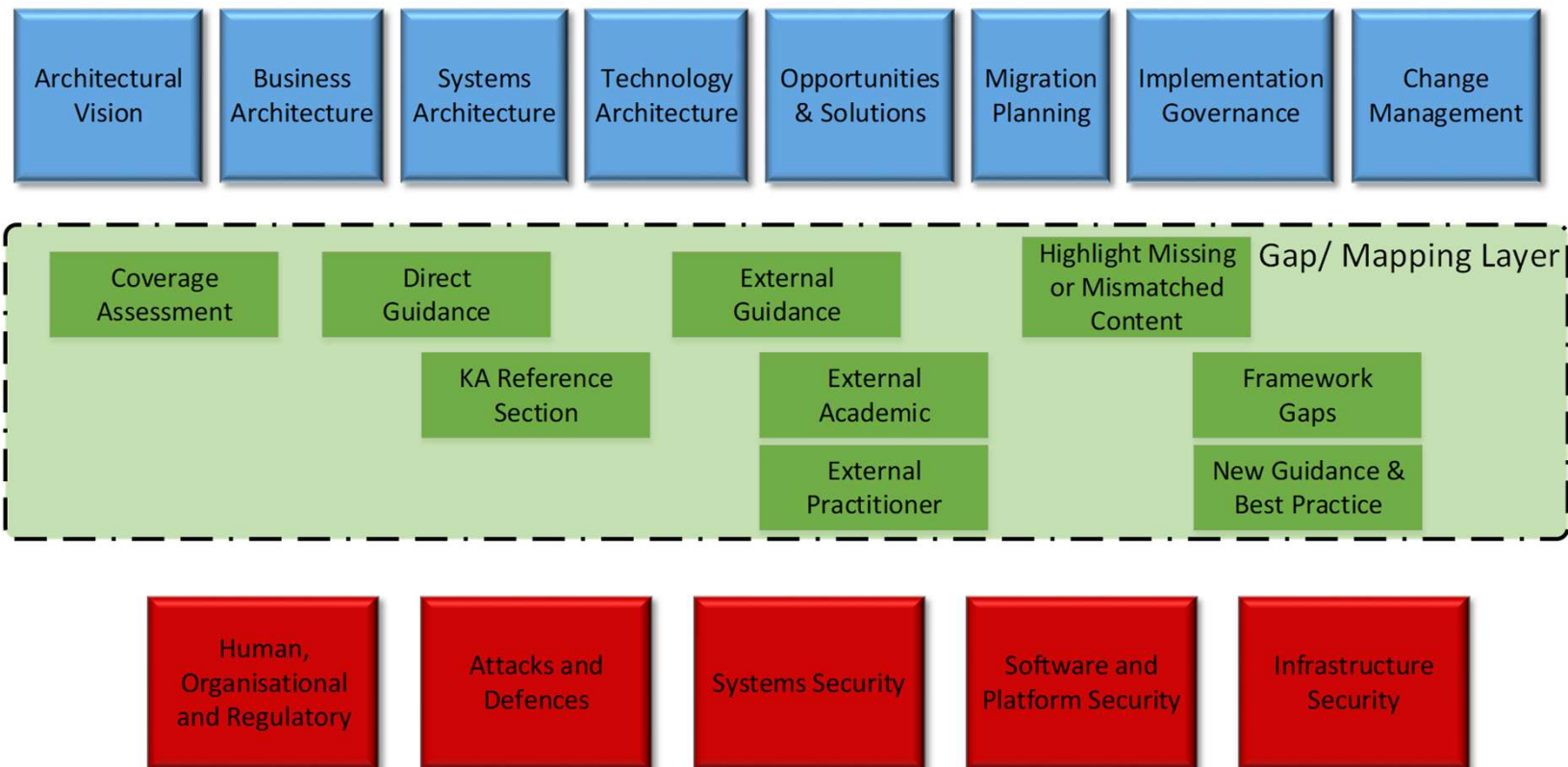**Dr. Duncan Greaves, CISSP.**
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Outline of Project

- Enterprise and Security Architects are the only stakeholders that can see the whole organisation IT and Business estate.

- They are responsible for how the systems work together to achieve 'strategic fit' for the business.

- They define the forward looking vision for the organisation to realise value (Customer Journey, 'Golden Thread', Patient Pathways, etc..) taking into account the present state.

- All architects need to identify Cybersecurity 'touchpoints' on the architecture roadmap.

- This project maps architecture frameworks to the CyBOK Knowledge Areas to flag potential education requirements.

Mapping Gaps and Coverage

CyBOK

| Architectural Vision | Business Architecture | Systems Architecture | Technology Architecture | Opportunities & Solutions | Migration Planning | Implementation Governance | Change Management |

Gap/ Mapping Layer

Coverage Assessment

Direct Guidance

External Guidance

Highlight Missing or Mismatched Content

KA Reference Section

External Academic

Framework Gaps

External Practitioner

New Guidance & Best Practice

| Human, Organisational and Regulatory | Attacks and Defences | Systems Security | Software and Platform Security | Infrastructure Security |

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Project Structure and Plan

- Evaluating the cyber-readiness of Enterprise Architectural Frameworks.
- Evaluating the contribution of the CyBOK KA's to the delivery of secure organisational change.
- Highlighting areas of training and opportunities to develop the architectural process.
- Publishing the findings.

- Work Structure.
  - WP1-Evidence Assessment.
  - WP2 -Mapping.
  - WP3 -Identify gaps and opportunities.
  - WP4 - Disseminate Findings.

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