

Introducing



March 2025

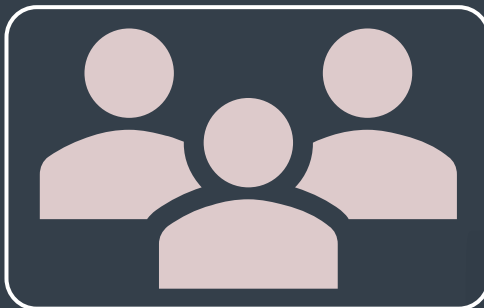


Headlines



identify emerging global trends and national strengths in cyber security

- rigorous community-led methodology



develop our research community

- regionally and nationally
- SIGs, themed workshops, community events



support career development

- cross-disciplinary
- inclusive and diverse



a connection-point

- for businesses, government, and the third sector
- nationally and internationally.



The team

Andrew Martin



Lynne Coventry



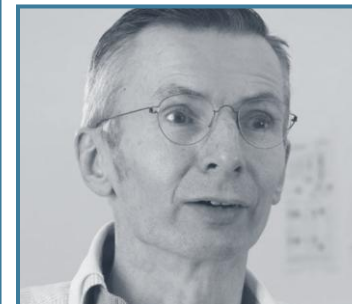
Adam Joinson



Steven Murdoch



Mark Ryan





Objectives

Help to deliver the UK **National Cyber Strategy** (Cyber Ecosystem; Technology Advantage)

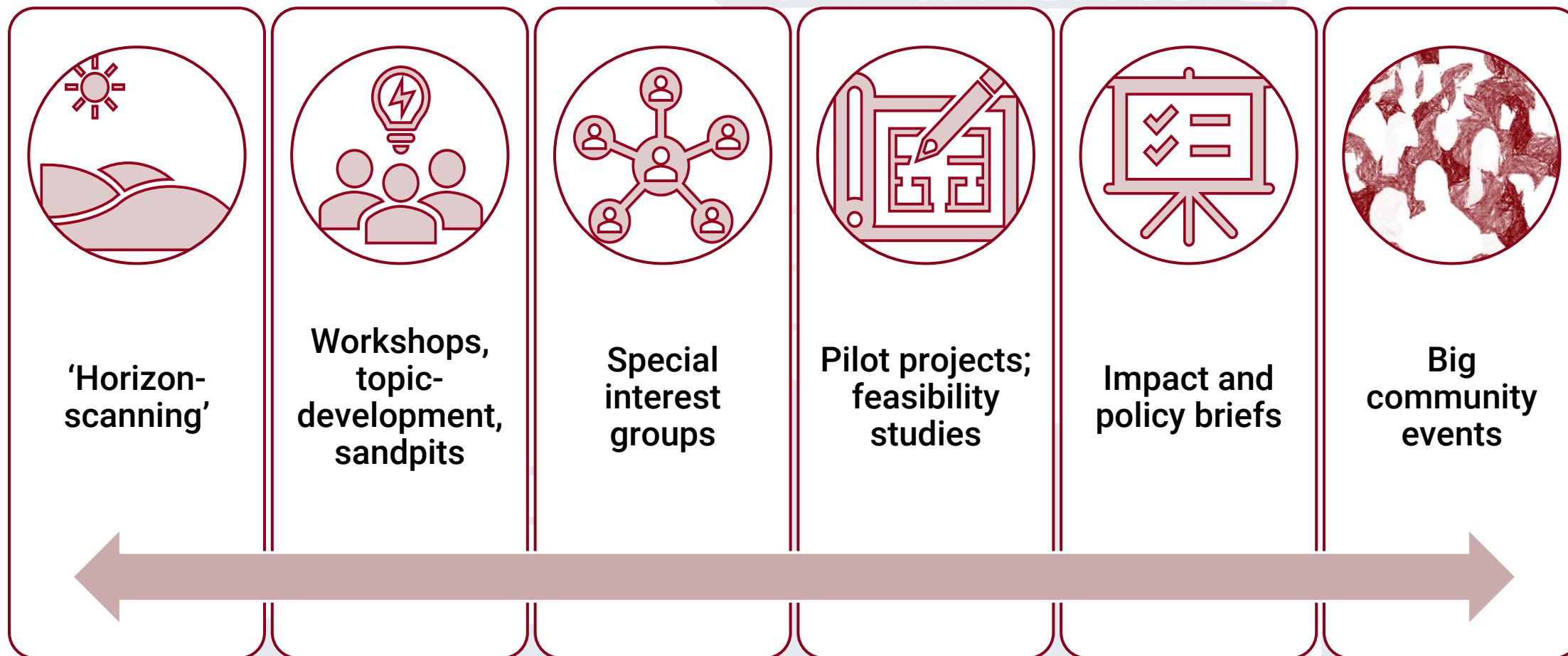
To support, develop, and nurture **research** in cyber security within and across academic disciplines, throughout the UK, with transformative challenge from wider stakeholder groups

Identify and articulate the need and opportunity for **significant/game-changing** new developments in cyber security

Promote the development of a **learned society in cyber security research** to support a long-term sustainable community

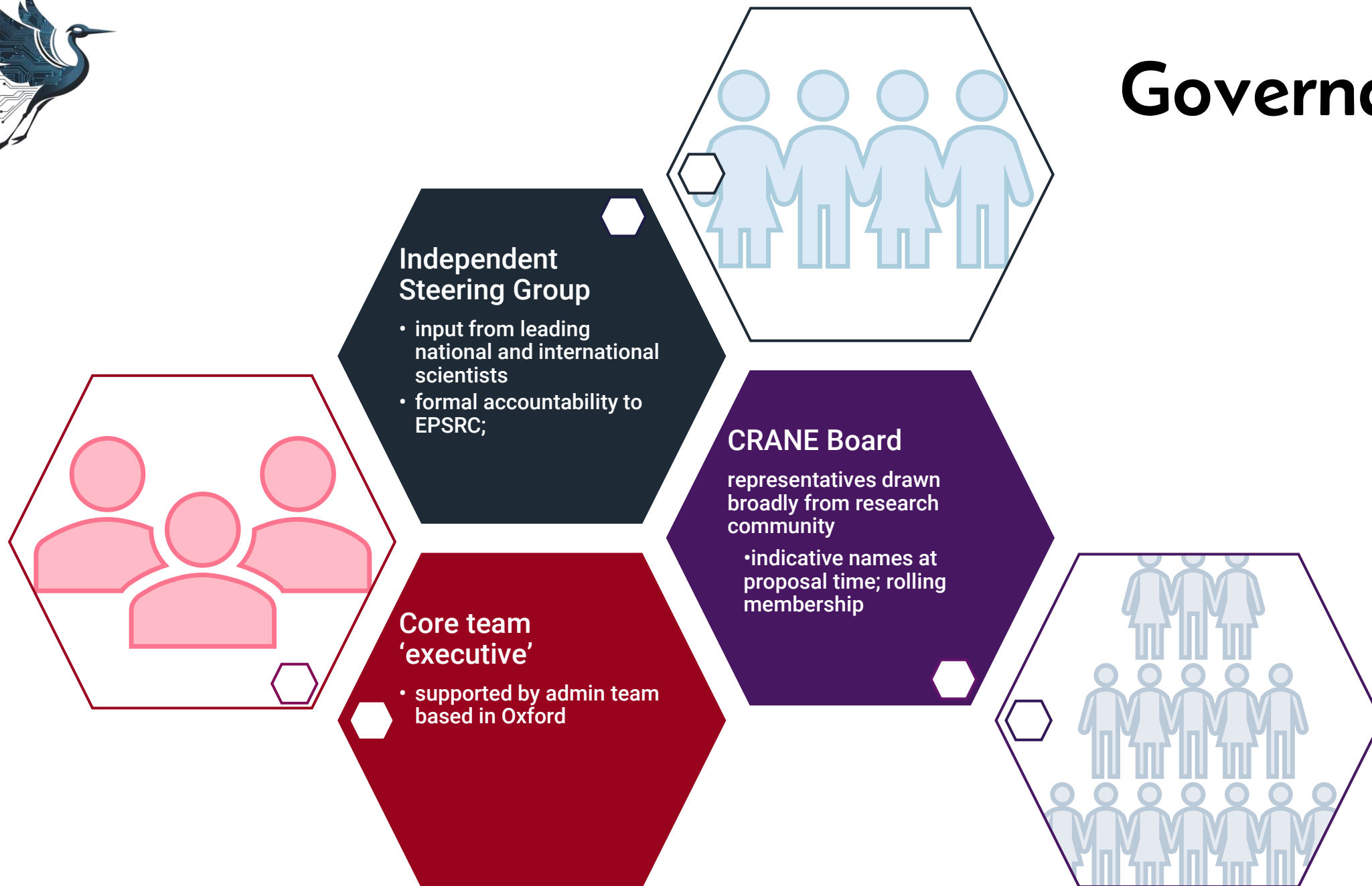


Approach





Governance





Ecosystem: priorities



Mentoring scheme; E(i)CR opportunities; Shadow Board; Funding and admin support for grassroots
Purposeful events planning; national, regional, hybrid. Carbon footprint-aware. Diverse interaction modes.



Learned Society

- Cyber security research is not bounded: the need will not end.
- Community created by CRANE should not end either.
- Many activities can out-live the EPSRC funding.
- A new learned society is planned, to coordinate this.
- Emphasis on inter-disciplinary research in cyber security.
- Complementary to other professional societies.
- Details will develop through the lifetime of CRANE.



socio –

technical

Emphasis

To support, develop, and nurture research in cyber security within and across academic disciplines, throughout the UK, with **transformative challenge from wider stakeholder groups**

- **our vision for CRANE is grounded on technology**
 - cyber security has great technical depth
 - technology creates the context and opportunity
 - embracing breadth of other disciplines
- **imperative of getting the right balance for any given topic**
 - and phase in the lifecycle of that topic
 - *PESTLE* analysis



Programme

'Horizon Scanning'

Technology, Threats, Application Domains

1. Scoping
2. Impact (PESTLE)
3. Synthesis and Recommendations

Topic Development

Workshops, sandpits, studies, surveys, reflective processes
Leading to calls, pilot projects, recommendations, SIGs, Fellowships

Pilot Projects

Feasibility studies, pilot projects, policy briefs, programme concept development

Virtual
and Hybrid
Events

All-Hands Meeting

*SIG events, project showcases,
Learned Society Conference,
ACE-CSR meeting?*

Dissemination
and Public
Policy Work

Special Interest
Groups

Priority Focussed
Studies

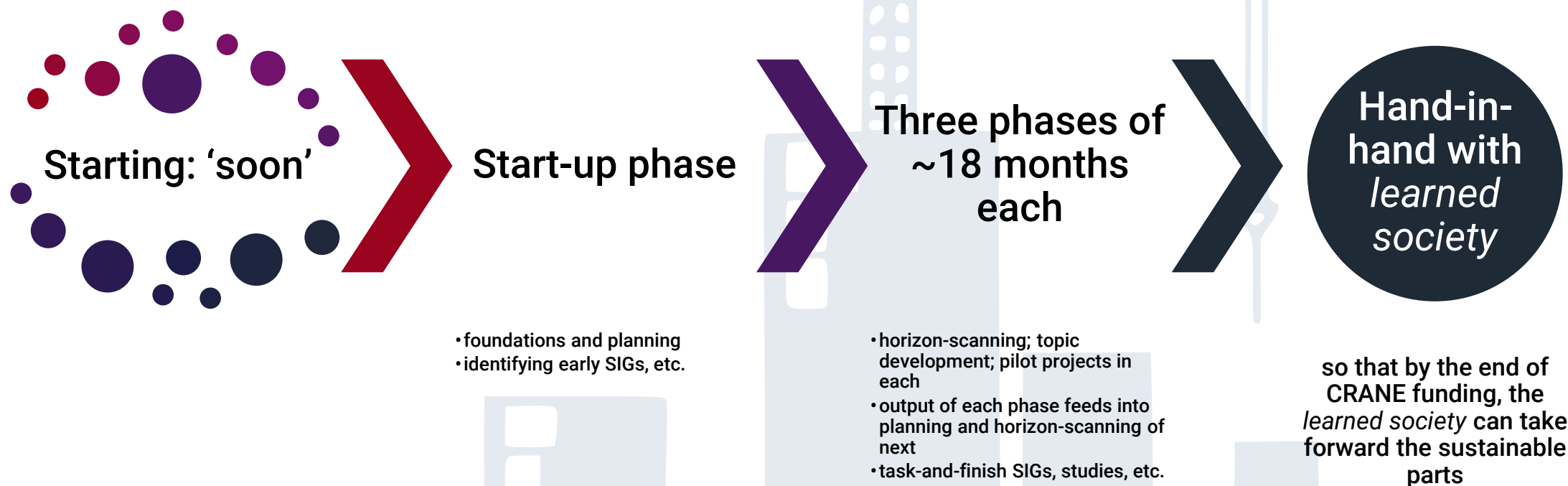
Secondments

Supporting
Summer Schools

Regional
Initiatives



Schedule





Call to Action

We will invite anyone working in UK academic research to be a CRANE member

Associate membership for others

We will have a wide programme for partners

- many in proposal; others to join
- defining mutual benefit

Particular emphasis on supporting career development

- how can you contribute?

Establishing the board; inviting community proposals

Starting the trends identification process



Engineering and
Physical Sciences
Research Council



CRANE

NetworkPlus for Cyber Security Research