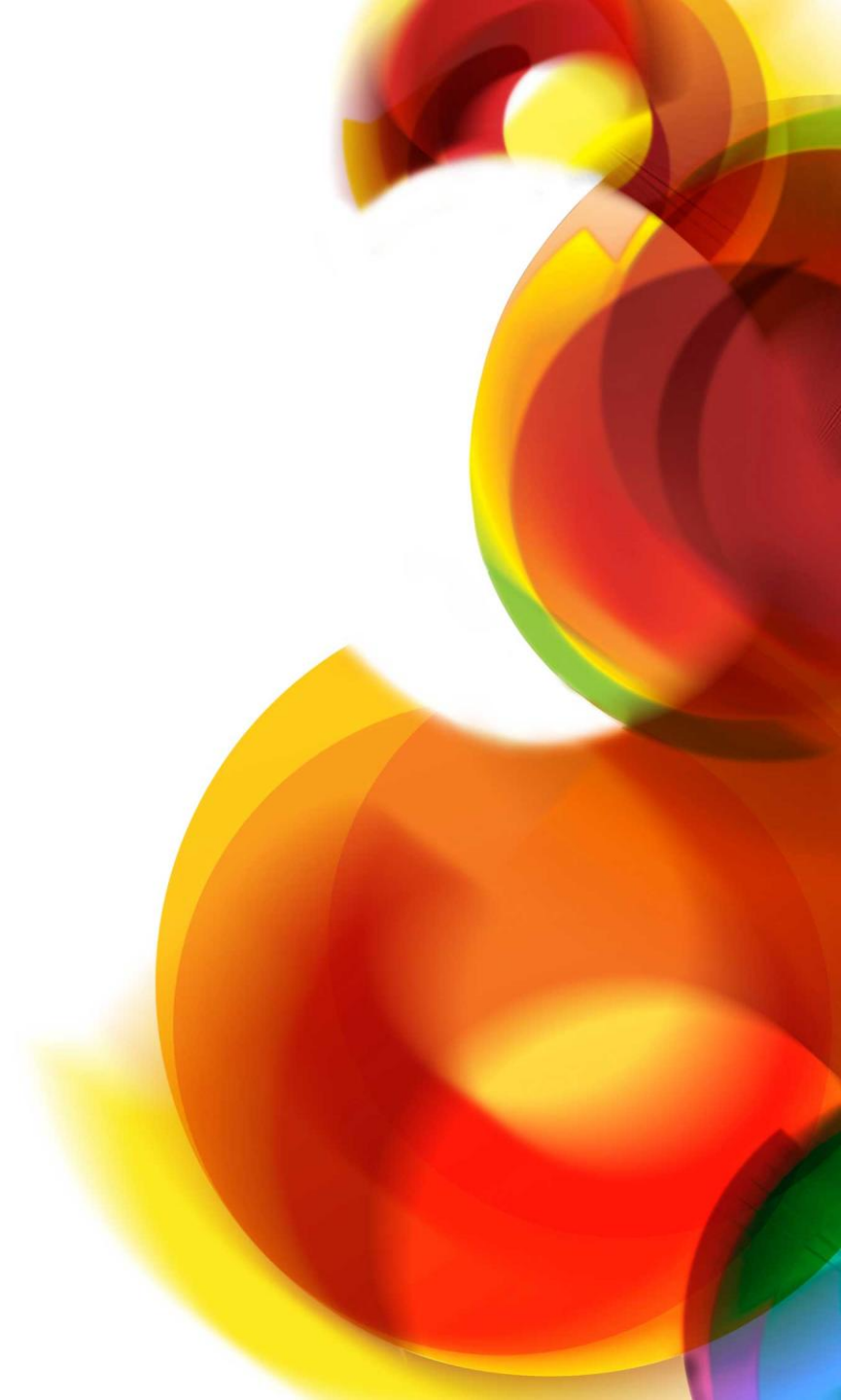# janet

EU Cybersecurity Strategy

Henry Hughes
Strategic Programmes

a) Cybersecurity for all – EU and global perspectives – Neelie Kroes, Vice-President for the digital agenda
   a) Cyber security directive will help us
   b) Digital agenda includes cloud & big data
   c) Continuing changes and opportunity for citizens and societies
   d) Digital economy responsible for 20% of growth
   e) Good communications the foundation for unity and growth
   f) Growing reliance on digital systems
   g) Focus on human rights not digital rights, checks and balances required
   h) Requirements for transparency, usability and accountability
   i) Why were we all so unprepared for the activity of the NSA?
   j) What can be done by NSA now can be done by other now or shortly
   k) No privacy leads to no freedoms
   l) Risk management is critical infrastructure, transport, power but also now our networks

Conference themes

- Opportunity v Threats
  - Enormous contribution to world economies
  - Promotes freedom of speech
  - Empowers societies
- Trust & Reliability
  - Requirement for accountability, openness and accessibility
- Growing number of Incidents
  - Significant rate of growth
  - Mistakes, intentional and environmental events
  - Not everyone has capability and capacity must be developed
- Requirement for a political agreement at state level
  - Cyber security directive

Background themes

- Threat landscape is increasing in number, type and complexity
- State actors are active in disruption
- Power, transport, health and network infrastructures all targets
- Requirement for strong international co-ordination
- Standards needed to define how we approach this area
- Investment in R&D including robust encryption required

Case Study

- Deutsche Telekom Group – Thomas Kremer

1. Suffered a significant attack
2. Subsequently identified as from a state actor
3. Significant internal changes in security infrastructure and processes
4. Requirement for a more automated and intelligent infrastructure
5. Internet of assured businesses?
6. Requirement for secure storage and processing of data in Europe
7. Sharing information is key
8. We are not well prepared – but it's also an opportunity
9. Focus on competitive advantage and invest in security
10. Make security a design requirement
11. Seeing 800,000 attacks a day
12. Must accelerate efforts to protect our infrastructure

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1. It does not look like R&E infrastructure is likely to be directly affected by directive initially
2. Directive may have to be incorporated in UK law by 2018
3. The increasing threat environment will require better co-ordination of security activities across UK R&E
4. We need to consider carefully what additional measure are appropriate and how we can derive best return on investment

Questions?

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