



Forensic Science and beyond:
authenticity, provenance and assurance
Dr Derek Craston

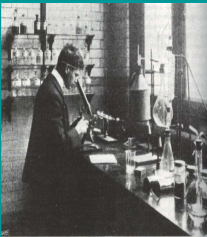
Science
for a safer world



An old and widespread issue



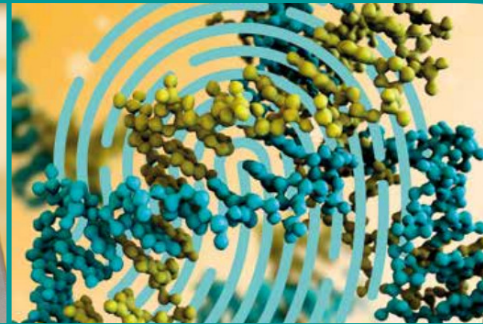
- Happened since goods were traded?
- Across sectors where economic gains can be made
- Internet, global trade and long supply chains adding to complexity



Innovation in forensic science



Provenance and assurance...



...through innovation in detection

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Interpretation & communication of advances in forensic science



- Measurement sensitivities in analytical science methods are increasing
- What constitutes “purity”?
- Large, good quality datasets required to understand natural variation and background levels



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Prevention rather than cure



Science can provide solutions for crime prevention

- Managing supply chains, novel production processes & on-line protection



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