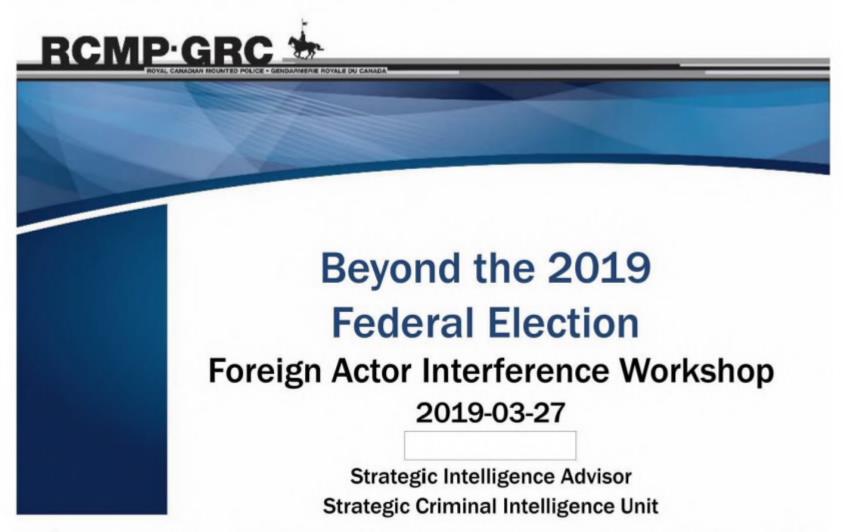
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Purpose and Objectives

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- Raise awareness of technological drivers shaping the threat of foreign actor interference
- Discuss impact on law enforcement in the next 5+ years
- Highlight need for policy development and mitigation of risks



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Key Technologies

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Artificial Intelligence (AI)

- Integrate and analyze vast data that informs more accurate decisions
- Replicates human-like thought and behaviour
- Takes independent action without human involvement



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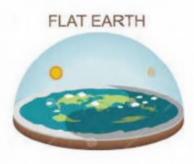


Key Technologies

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Quantum Computing

- 2-10 years away from reality
- Will provide ability to decrypt secure data (e.g. makes encryption redundant)
- Will allow for the processing of large data sets







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Key Technologies

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Blockchain

- Allows value to be transferred without the need of a trusted authority (e.g. bank).
- Examples include encryption, cryptocurrencies



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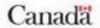
Larger Context

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- Anticipated significant social, political, economic changes
- Could lead to greater stratification of wealth
- Lack of transparency may lead to mistrust in public and democratic institutions
- Could lead to civil unrest and national security threats from foreign actor interference



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Implications for Canadian Law Enforcement Challenges and Threats Unclassified - For Official Use Only

Attribution

 Law enforcement's ability to identify perpetrators will be weakened by attribution challenges

Insider Threats

 Could increase as foreign actors become more aggressive in obtaining strategic information



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Implications for Canadian Law Enforcement Challenges and Threats - continued Unclassified - For Official Use Only

Mistrust in public institutions

 As a consequence of these technologies, society may become more polarized, leading to civil unrest

Potential for public disorder

Who is making the decision? An Al or human?
 How will we know for certain?



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Implications for Canadian Law Enforcement Challenges and Threats - continued Unclassified - For Official Challenges

Potential for foreign surveillance and data acquisition of Canadian information

 To be effective, Al requires huge amounts of data from as many sources as possible to provide insight unseen previously

Increase in threats to critical infrastructure – likely targets:

- Energy sector and utilities
- Information and communication technology
- Defence



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What Next?

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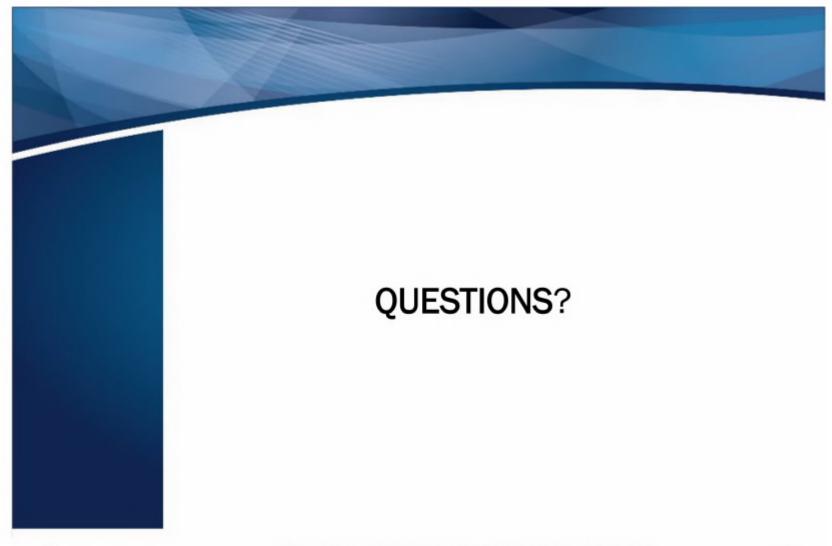
- Greater collaboration amongst law enforcement agencies across all levels of policing and governments
- Engaging and collaborating with new partners (e.g. private sector)
- Identify indicators of threats and potentially linked criminal activity to prevent and disrupt early



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