

Artificial Intelligence Opportunities and Challenges

- Automation, new industries Both job creation and job loss
- Issues of transparency
- Algorithm and technology bias
- 🛉 Data ownership, sharing, consent
- % Who benefits?
- Impacts on privacy







Genetic technologies Lessons learned

- New tech creates new industries that benefit society
 - Insulin
 - Food security (GMO)
 - Reproductive technologies
 - Genetic testing and therapeutics
 - What did we learn
 - Developing a framework nationally and internationally
 - How to manage data, privacy, informed consent, defining data and biomaterial ownership
 - Importance of early and sustained dialogue with public
 - International consensus can be reached on acceptable applications BUT legislations are nation-specific
 - Social and cultural norms play big role in regulation of technologies

Echoes of DNA and Lessons for AI









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Canada And France Are Working Together

Support and guide responsible use of Al

> Facilitate international collaboration with multiple partners



Monitor and draw on work being done domestically and internationally

> Provide a mechanism for analysis, foresight and policy development

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Thank you!

