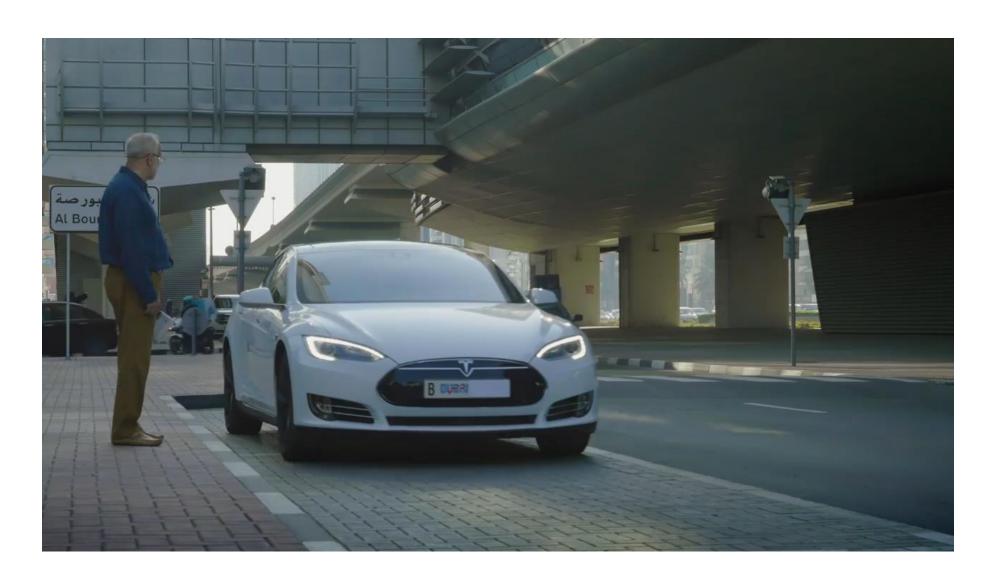
Sound Check



The Future of Ag

@MartySeymour1 | Director, Industry Relations | Farm Credit Canada











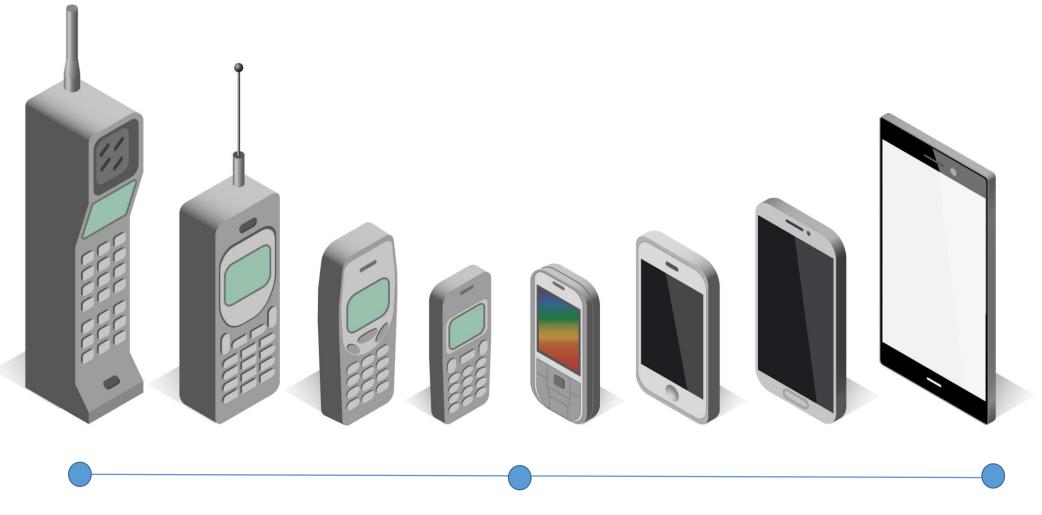






Stofte

The exponential evolution of the cell phone



Soft

Thinking about the future

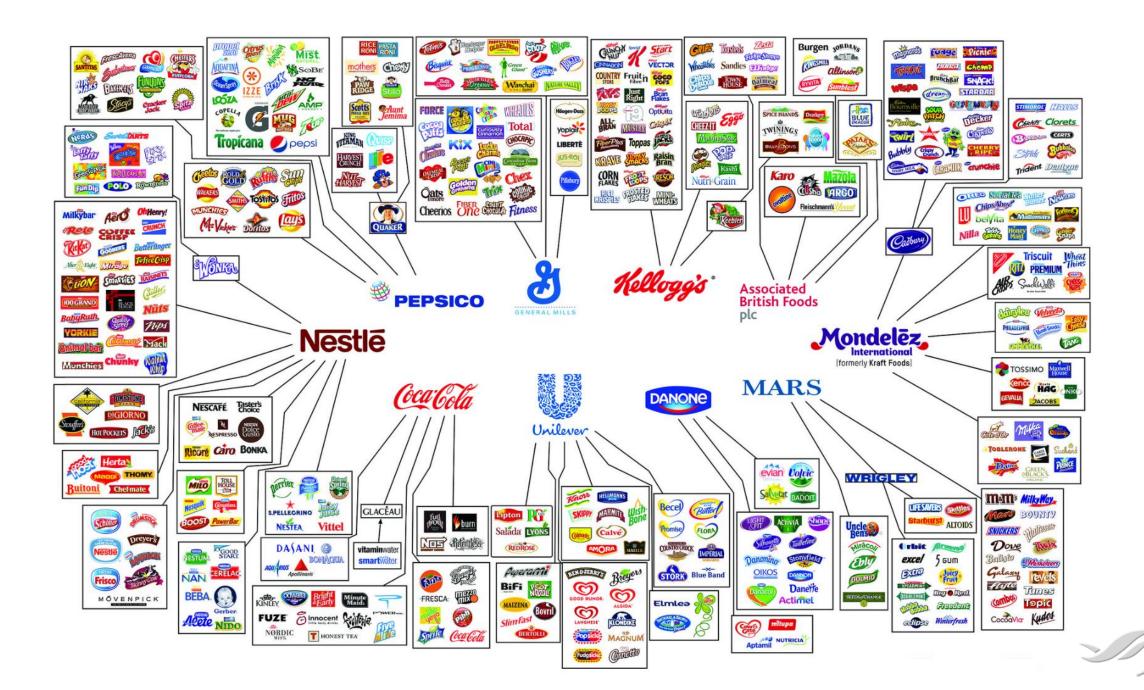


If the future is different than the past, how safe is your business?



The SSEELFZONE alty

SELFZONE





In ag-food, we need to think bigger





Source: 2017 Global Crop Symposium

In the next three years
I will be making
technological
upgrades/changes

46% - To become more efficient in core productions

31% - To manage business data/information

24% - I will not be making any technology changes in the next three years







Why are you not adopting a new technology?

51% - High cost of advanced technologies

33% - Payback period on the technology is too long

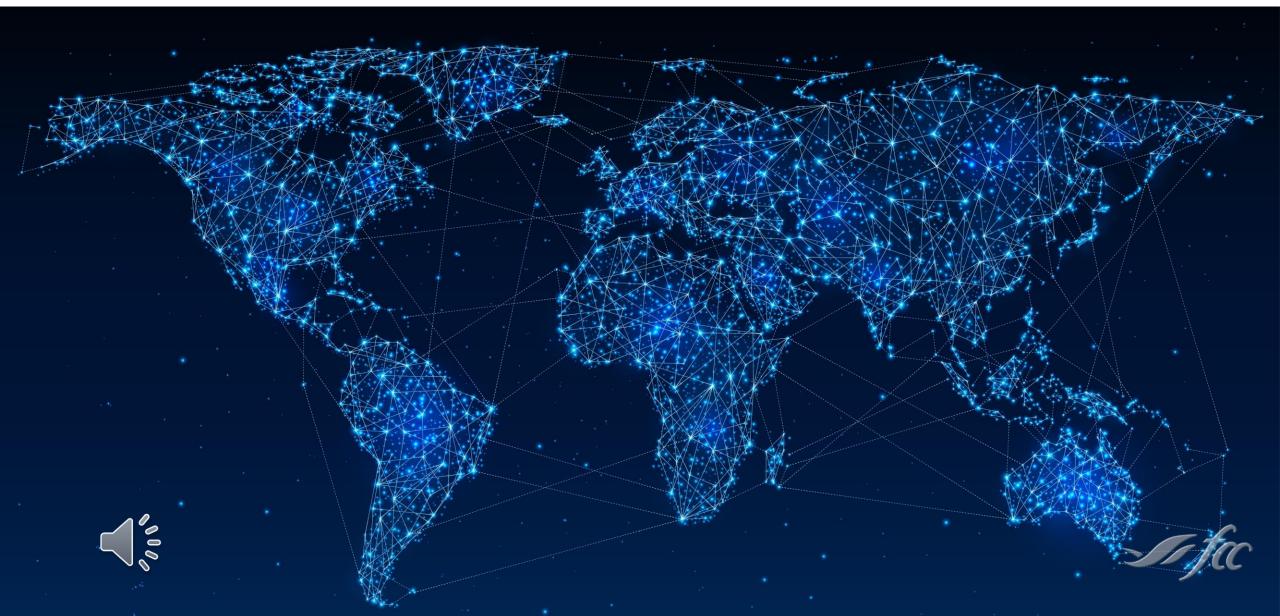
27% - Investment not necessary for continuing operations

14% - I am unsure of how to compute the economic benefit

You don't have to have the latest technology, but you will compete against those who do.

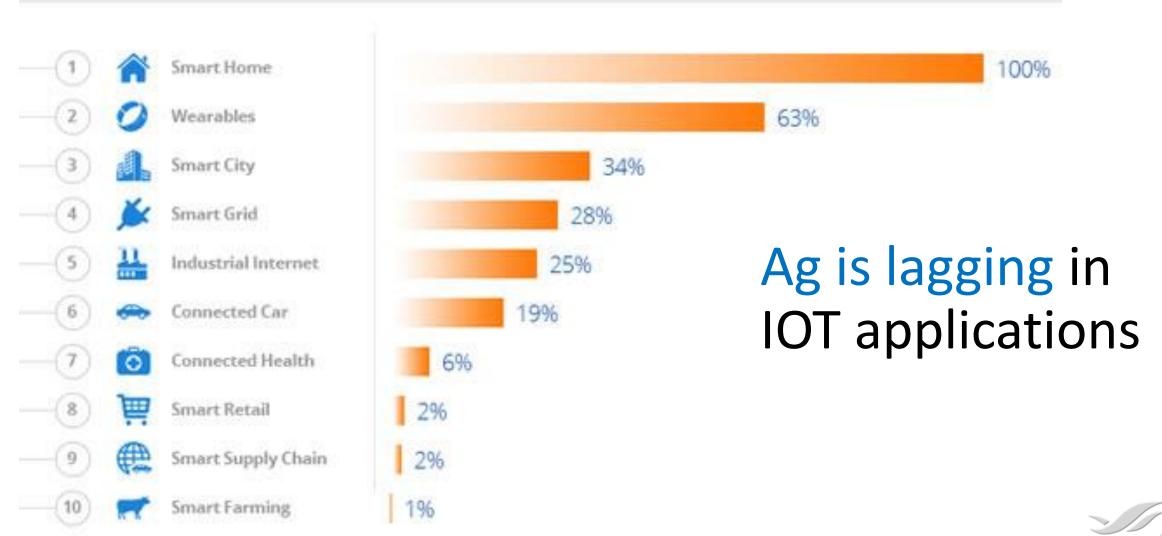


Artificial Intelligence and the Internet of Things



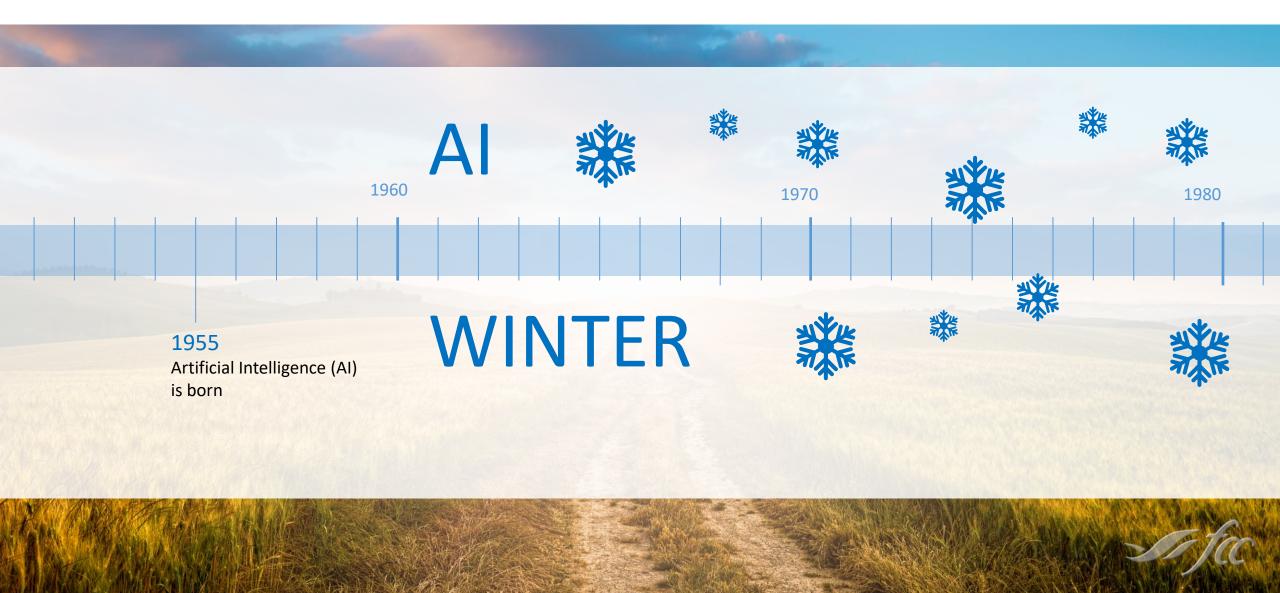
The 10 most popular Internet of Things applications

A ranking based on web analytics

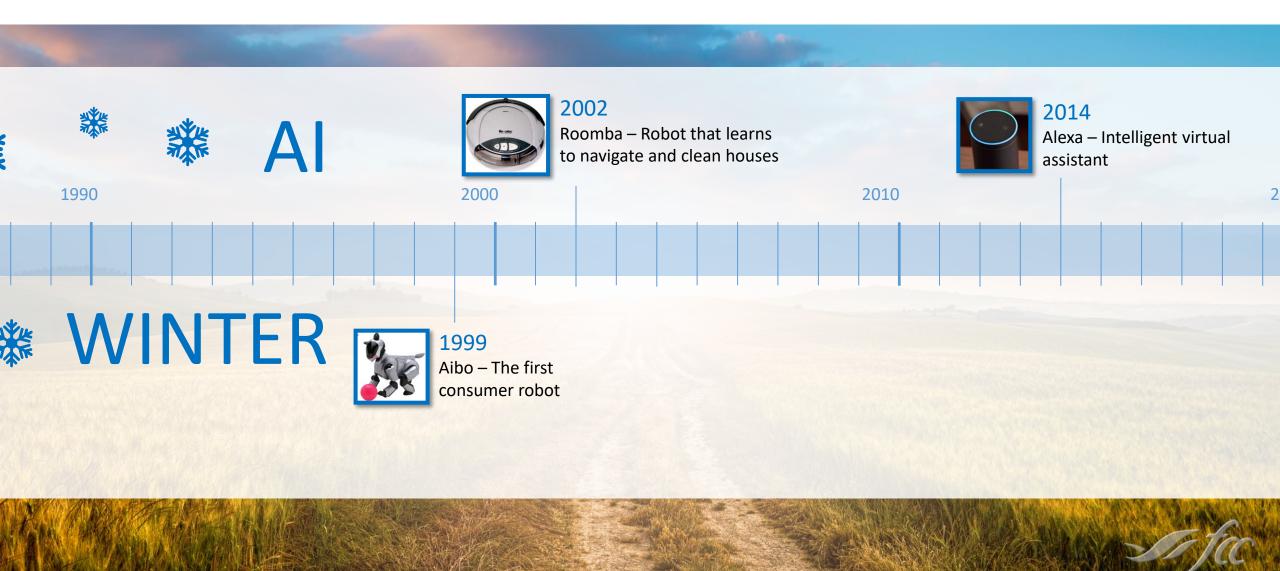


Source: 2017 ONE Alltech Conference, data from Agriweb

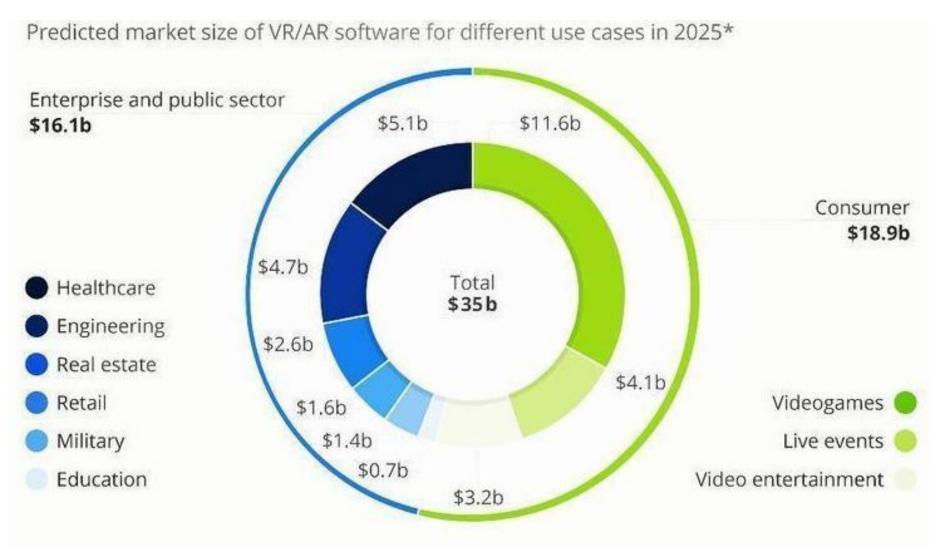
Key moments in Al's timeline



Key moments in Al's timeline



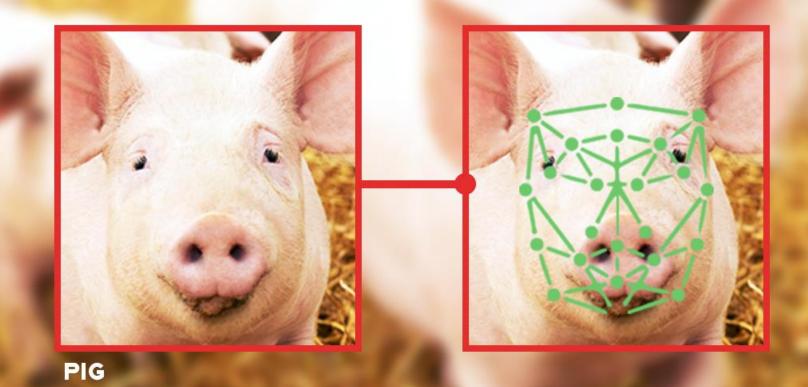
Artificial intelligence will make our lives easier





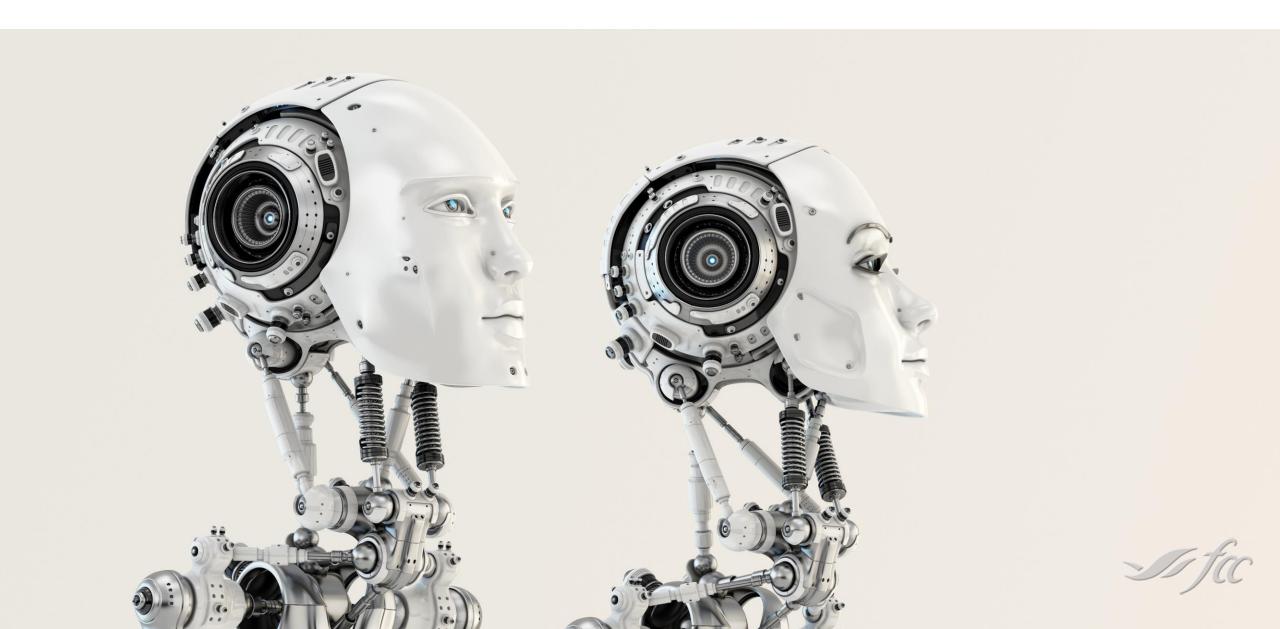








Let's talk about robots



Robots have shown remarkable advancements







Robots have shown remarkable advancements



Driverless is here







Use infrared technology to manage disease

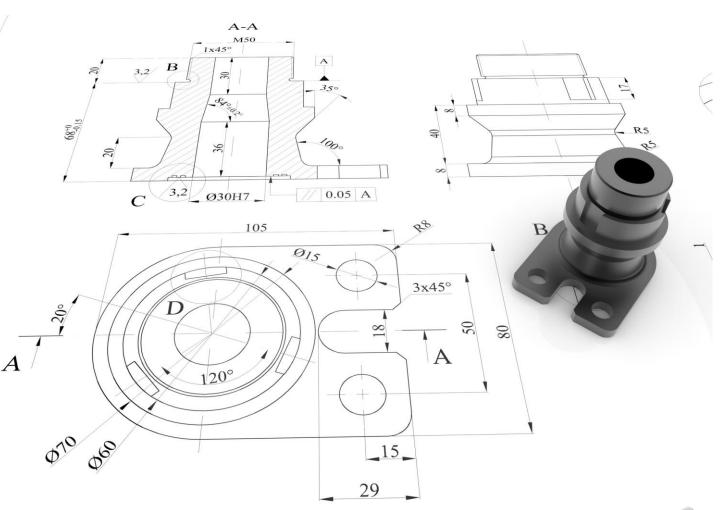




Autonomous will impact trucking and warehousing

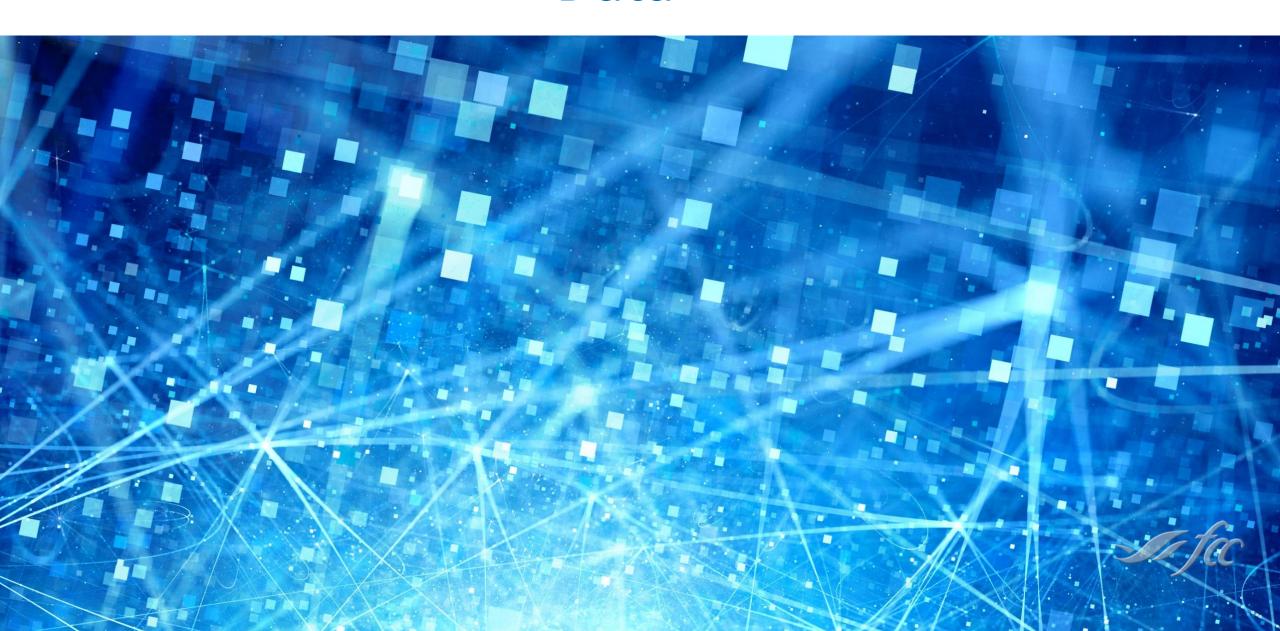


3D printing offers just-in-time delivery



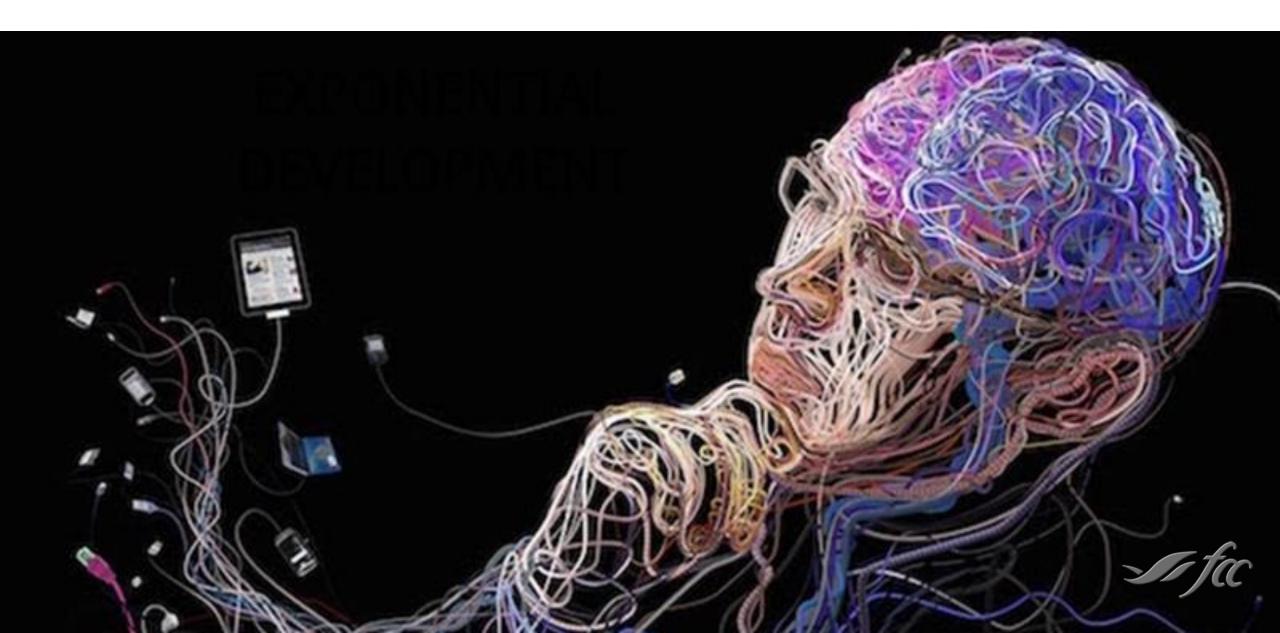


Data

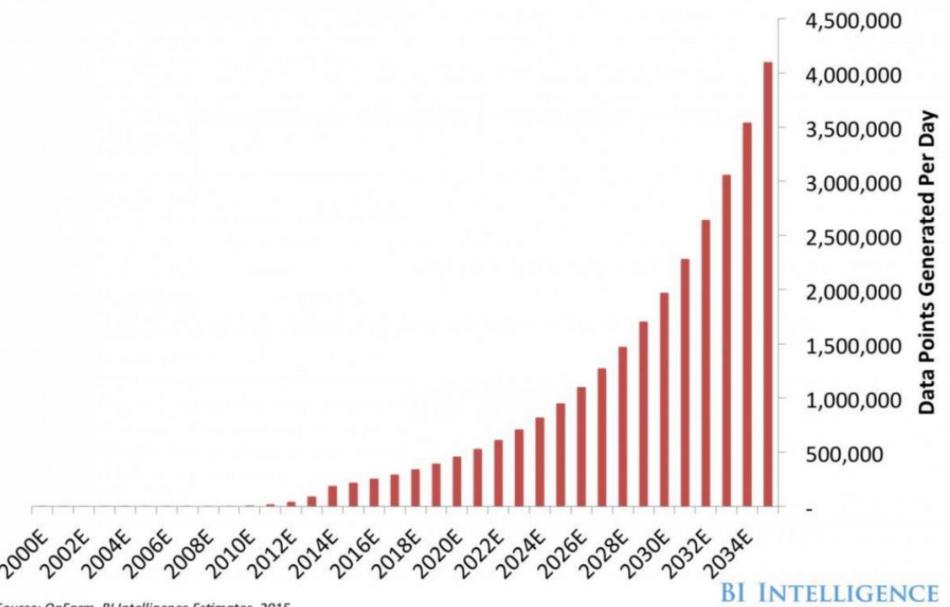


Data is the new oil.

Data isn't about collection, it's about connection



Estimated Amount Of Data Generated By The Average Farm Per Day





I have a deep seated **mistrust** of the **digitalization of my farm information** and so I **avoid** it as much as possible.

- Crop producer, Ontario



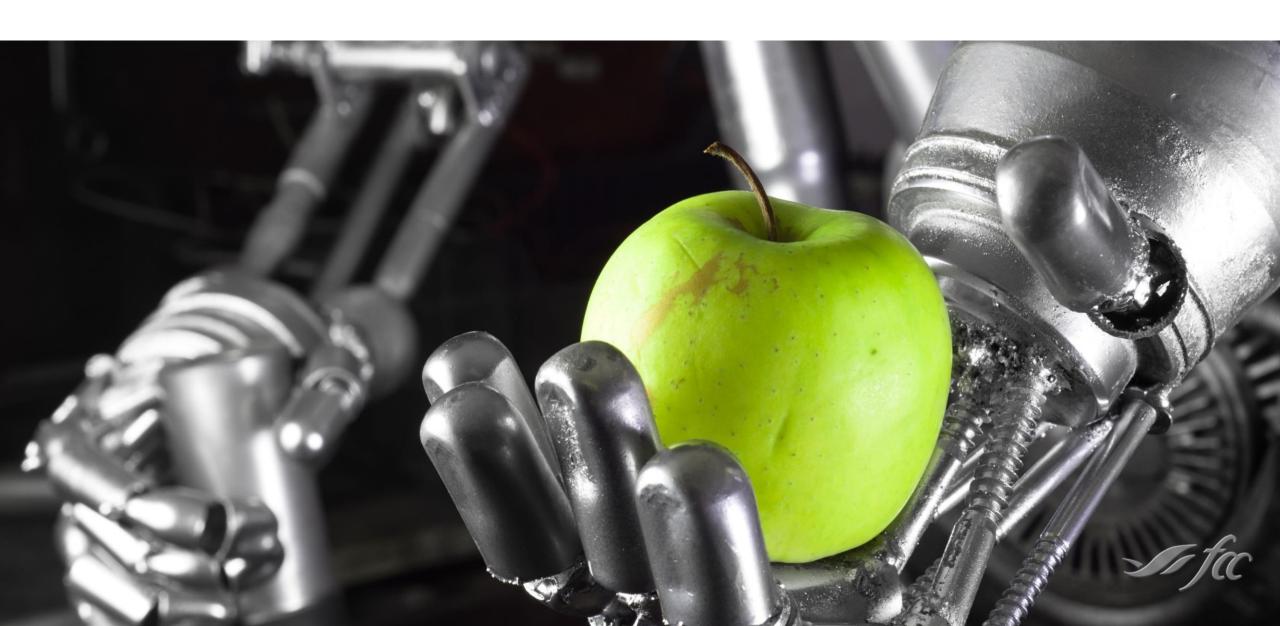
Data interpretation will be essential



We don't need **precision** ag... we need **decision** ag



Advanced science



"Science will not tell you what your policy should be."

John Butterworth, The Guardian





DNA testing will allow for targeted crop protection





Substitutes for milk and animal proteins are hot



















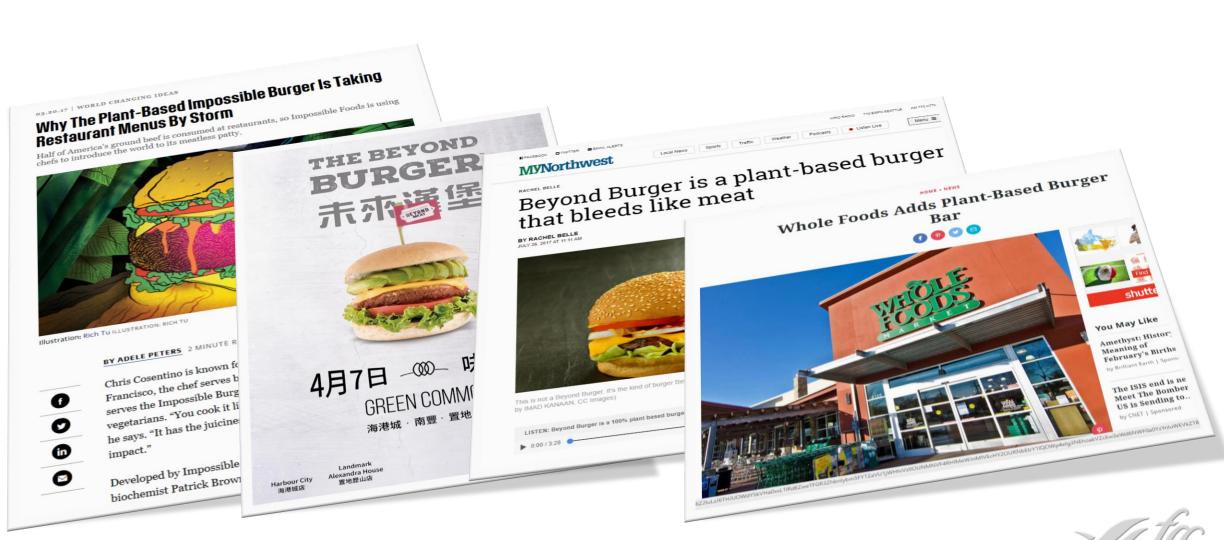
Welcome to the Future of food





Snack Foods are the next food trend

Plant-based hamburgers solve market demand





Cultured meat is the solution for many economies





Pay attention to Culture and social norms







"The answers are easy, it's the questions that are difficult"

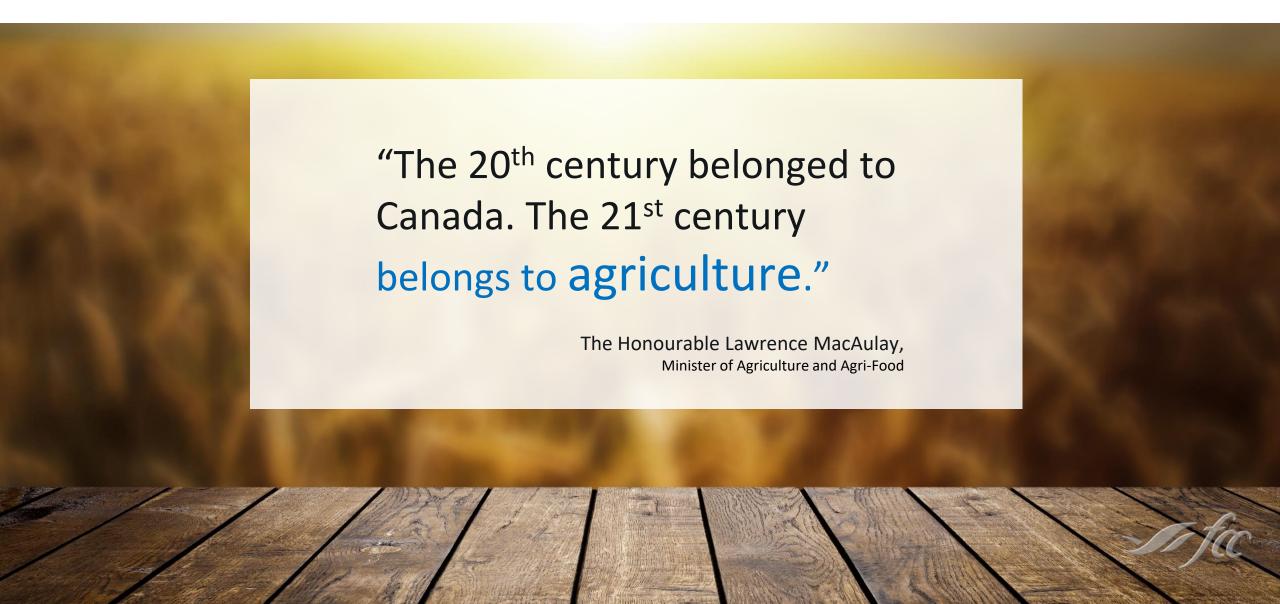
Dr. Suess

Who will the winners be?





We have a responsibility to do more



Canada is ready.

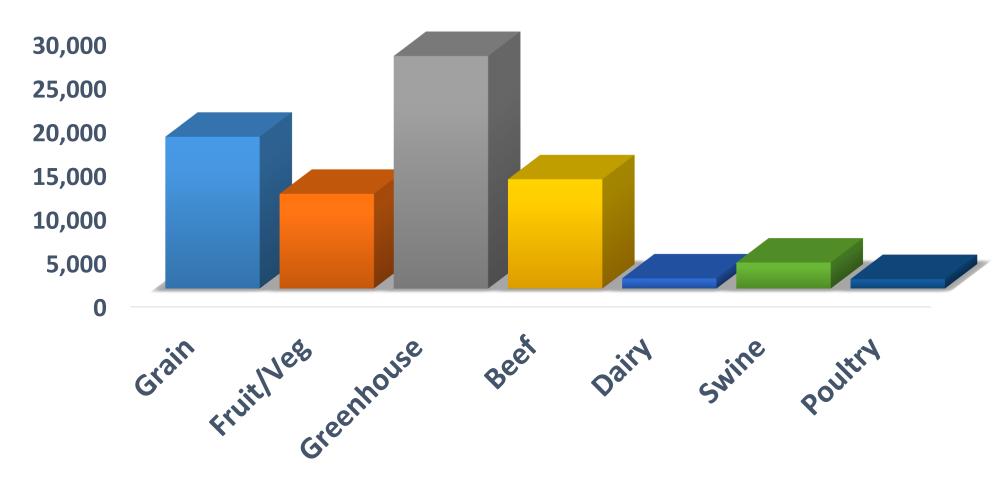


Are you ready?





Canadian labour gap by sector





Canadian labour gap by region

