



***Leading the path of
innovation...***

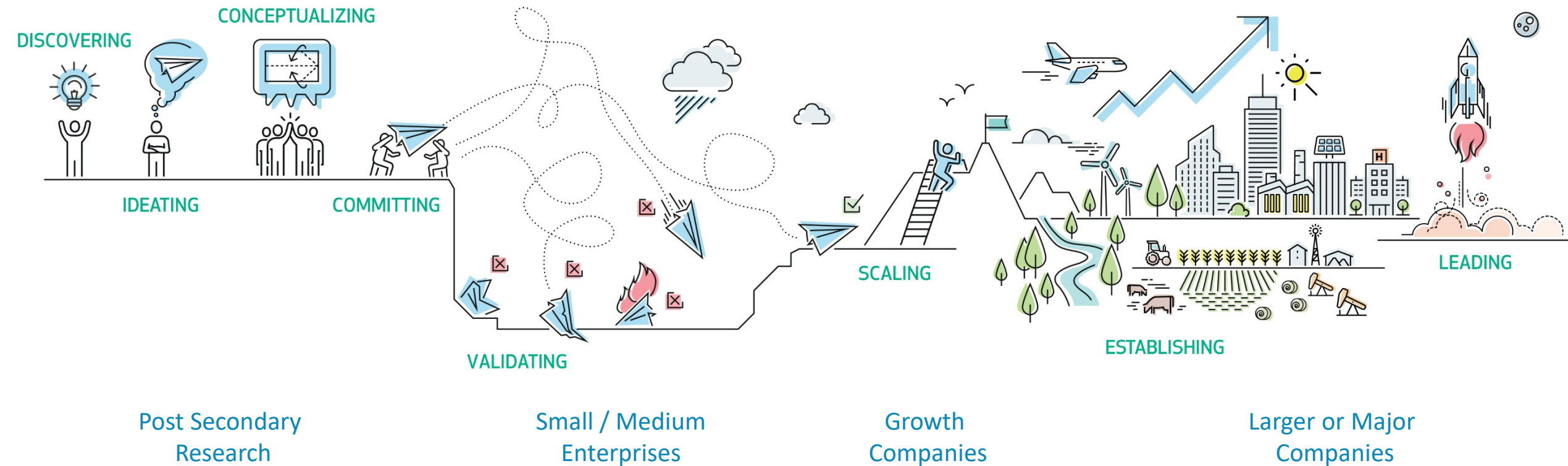
LESSONS LEARNED ABOUT ENABLING AN EFFECTIVE INNOVATION SYSTEM

***Greening Growth Partnership & Economics and
Environmental Policy Research Network
Annual Symposium***

Laura Kilcrease, CEO
Alberta Innovates

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SUPPORTING THE PATH OF INNOVATION



STRATEGIC INITIATIVES – NEW OPPORTUNITIES & NEW GROWTH

Artificial Intelligence (A.I.)

By adopting A.I. in health, agriculture, energy, financial services, logistics, construction and engineering, Alberta can double-down on a knowledge-based economy complementary to and parallel to its existing economic drivers.

Potential economic benefits from investing in A.I.:

- 4X multiplier/leverage from industry and other sources
- 5,500 new jobs created
- Over 6,000 trained and re-skilled Albertans
- 140 new companies created
- 30 + new multinational offices and labs in Alberta
- \$1B + in new economic activity

Bitumen Beyond Combustion

The BBC initiative aims to convert bitumen into high-value non-fuel products such as carbon fibers, asphalt, polymers, activated carbon and vanadium for flow cell batteries.

- future market value of \$212 billion+ by 2030 in carbon fibre alone.
- resource revenues even when the price-per-barrel for bitumen is low.
- \$15-million Carbon Fibre Grand competition directed toward funding technologies and projects that can turn bitumen/asphaltenes into carbon fibers.

Smart Agriculture

Smart agriculture and smart farms connect agriculture, equipment manufacturing, food processing, data and analytics; and pure technology.

Alberta Innovates and 7 partners formed the Canadian Agri-Food Automation and Intelligence Network (CAAIN) through \$50M Ag SIF investment.

- smart farm platform creates ecosystem of autonomous processes, modules and machines to advance automation and robotics in ag and food production.
- accelerates innovation, adoption of technologies to improve cost efficiency and productivity, create jobs, improve the competitiveness of the agri-food industry and grow Canada's emerging technology sector.

INVENTURES

- Over 3,000 people attended from 36 countries
- 235 speakers - over 100 multi-stream, multi-disciplinary sessions
- Networking events
- 66 start-up pitch finalists + student pitch events
- 30 associated Inventures Connect events
- PWC estimates up to \$249 M in resulting deal flow and economic impact
- Plan to attend Inventures 2020 - June 3 to 6, 2020
- Themes:
 - *Innovation of Work*
 - *Agriculture in the Technology Age*
 - *The Future is AI*
 - *Healthier Living, Broader Thinking*
 - *Smart Cities, Vibrant Communities*
 - *Data in the Digital World*

⁴ Visit inventurescanada.com for more information





Thank You

See how Alberta Innovates:

<https://albertainnovates.ca/>

<https://innotechalberta.ca/>

<https://www.cfertech.com/>