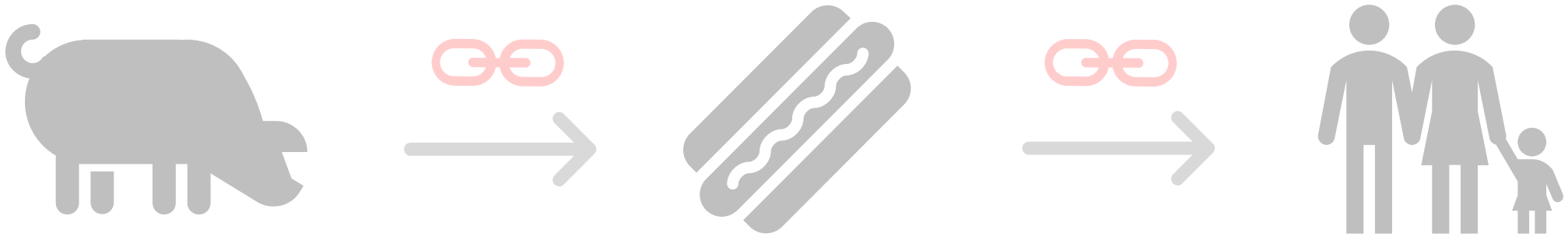
AGRITECH CHALLENGE

Agriculture, Agrifood and Seafood Traceability

BRITISH COLUMBIA | innovate BC

INTRODUCTION: Traceability

Traceability systems make it possible to follow the movement backwards (**tracing**) and forwards (**tracking**) of animals, plants and food



Traceability allows for tracking through all points of a production and distribution system between the farm and the consumer

INTRODUCTION: Traceability

By tracing products through the food supply chain, we can:

- **Improve food safety**
- **Diminish risk**
- **Avoid devastating health consequences**
- **Avoid economic losses**

CHALLENGE SCENARIO: Traceability App/Software

Micro-and-small-scale producers and processors in B.C. are in need of a **user-friendly** and **low-cost** food traceability app or software

The Ministry of Agriculture is interested in food traceability technology solutions that:

- Allow **data to be uploaded** at multiple points along the value-chain
  - Are **affordable** to small producers and processors ($10k or less)

CHALLENGE SCENARIO: Traceability App/Software

Additional Considerations:

An app or software that is capable of integrating results or data from the following inputs would be beneficial:

Rapid DNA Test Data

Temperature Reader Data

Phone Camera Sensors

CHALLENGE SCENARIO: Traceability App/Software

Additional Considerations:

Incorporating Blockchain Technology

- Blockchain provides a permanent record of transactions
- These transactions are grouped in blocks that cannot be altered
- Blockchain can serve as an alternative to paper tracking and manual inspection systems

AGRITECH CHALLENGE

Agriculture, Agrifood and Seafood Traceability

BRITISH COLUMBIA | innovate BC