



Mitacs

**CANADIAN
SCIENCE POLICY
FELLOWSHIP**



BRINGING SCIENCE AND POLICY TOGETHER

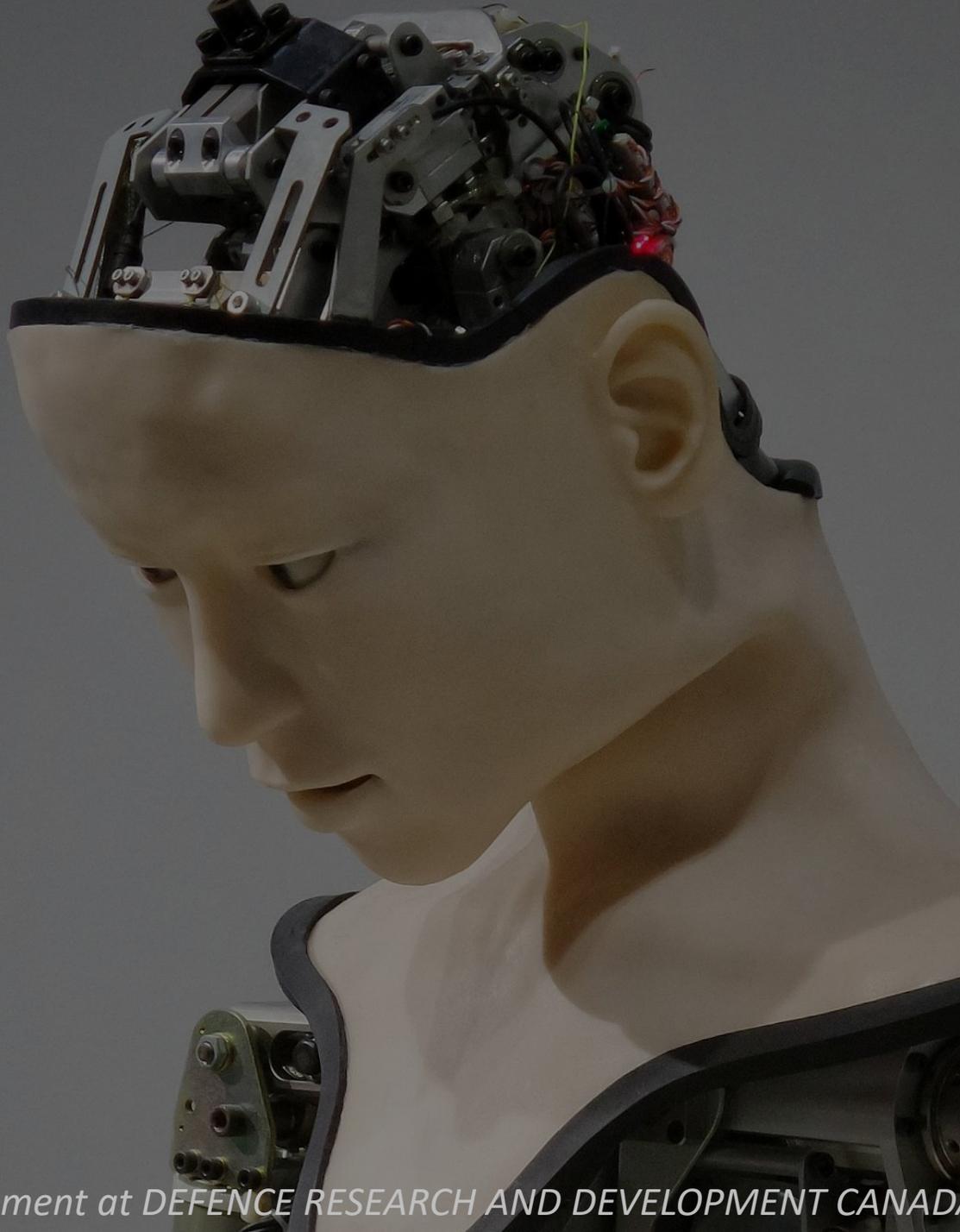
This competitive fellowship integrates academic research and evidence-informed policy-making by embedding PhD holders into federal and provincial government host offices. Fellows' skills, expertise and research experience is applied to the host offices' policy issues to create better public policy for Canadians.

CSPF PROGRAM HIGHLIGHTS

- ✓ 12-month immersive fellowship in a host government office
- ✓ Salary range is \$70,000 to \$80,000 per year
- ✓ Applications open November 27, 2019 and close on February 5, 2020
- ✓ Must be a Canadian citizen or permanent resident to apply
- ✓ Open to all disciplines
- ✓ PhD required



**PAST
FELLOWSHIPS
INCLUDE...**



UNDERSTANDING HUMAN ENHANCEMENT TECHNOLOGY FOR SOLDIERS

the FELLOWS

Expertise in neuroscience, physiology, cognition, and ethics

the ISSUE

Understanding policy issues and risks that may arise from emerging and disruptive technologies for soldiers

the OUTCOME

Provide DRDC with a view of the ethics and policy landscape pertaining to globalization and technologically-enhanced future capabilities through cognitive, robotic, and physiological methods

The background of the slide features a microscopic view of biological structures. On the left, there are blue, elongated, filamentous structures with rounded, bulbous tips, resembling flagella or spores. On the right, there are large, smooth, reddish-brown spherical structures, likely representing cells or spores. The overall color palette is dominated by these two colors against a dark red background.

GLOBAL ALLIANCE FOR HIGH CONTAINMENT BIO-THREATS

the **FELLOW**

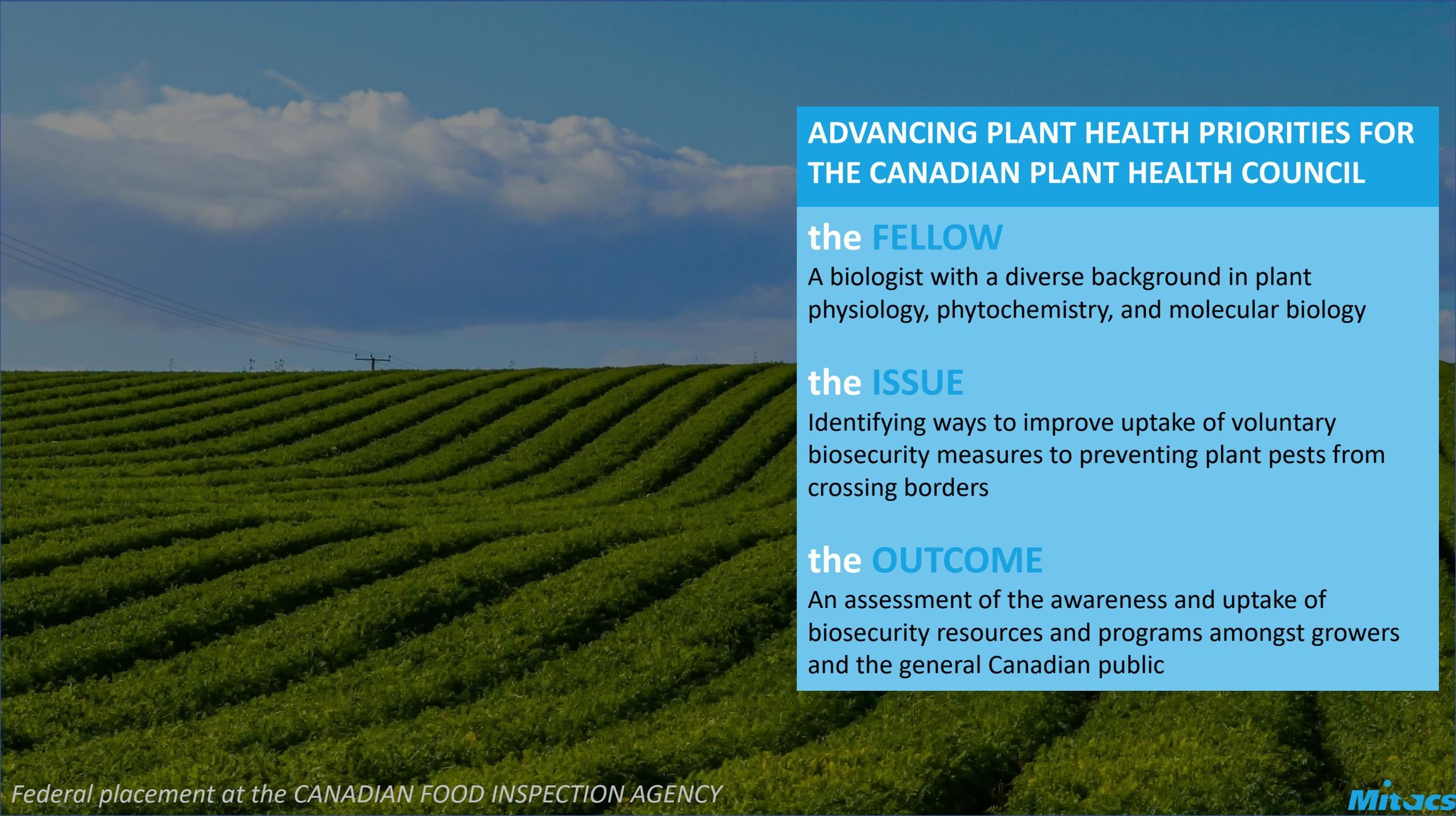
Microbiology expert and former World Health Organization intern

the **ISSUE**

Taking a leadership role in an international biosafety network, a global alliance working to strengthen international response and protocols to high-consequence diseases

the **OUTCOME**

Training gap analysis report, operational capability and competency matrix, preparation of best practices process map, and an emergency communications protocol



ADVANCING PLANT HEALTH PRIORITIES FOR THE CANADIAN PLANT HEALTH COUNCIL

the **FELLOW**

A biologist with a diverse background in plant physiology, phytochemistry, and molecular biology

the **ISSUE**

Identifying ways to improve uptake of voluntary biosecurity measures to preventing plant pests from crossing borders

the **OUTCOME**

An assessment of the awareness and uptake of biosecurity resources and programs amongst growers and the general Canadian public



COLLABORATING WITH INDIGENOUS COMMUNITIES ON FOREST MANAGEMENT

the **FELLOW**

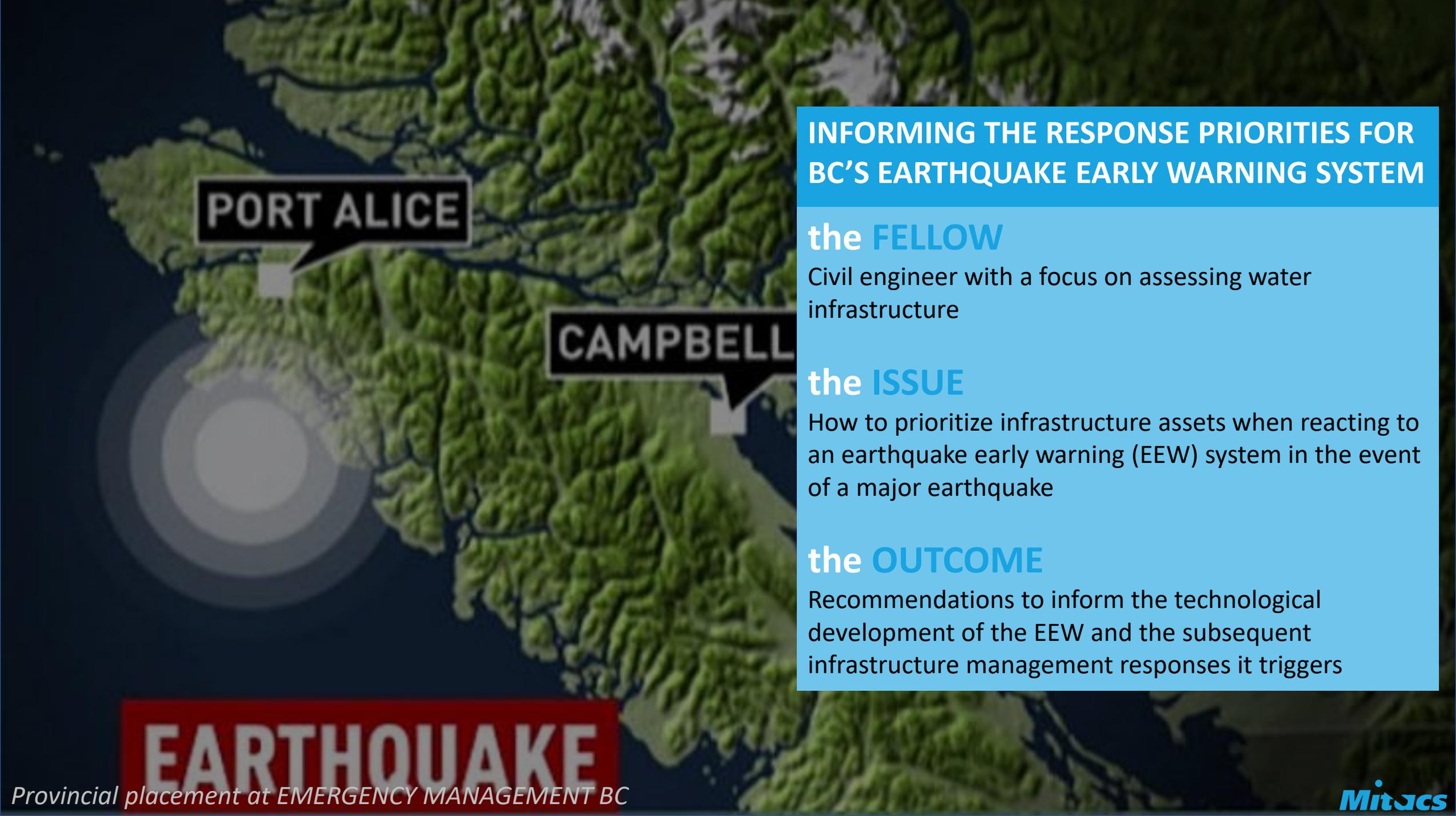
Ecologist focused on integrating Indigenous knowledge

the **ISSUE**

How to develop partnerships that build capacity for incorporating Indigenous knowledge into forest resource management in British Columbia

the **OUTCOME**

A framework to encourage increased adoption of traditional ecological knowledge into existing resource management frameworks, and develop stronger relationships with Indigenous communities

A topographic map of British Columbia, Canada, showing the coastline and inland terrain. Two locations are highlighted with callout boxes: 'PORT ALICE' on the coast and 'CAMPBELL' inland. A large, semi-transparent circular graphic with concentric rings is centered near Port Alice, representing an earthquake epicenter and its seismic waves. The map is overlaid with a semi-transparent blue box containing text.

INFORMING THE RESPONSE PRIORITIES FOR BC'S EARTHQUAKE EARLY WARNING SYSTEM

the **FELLOW**

Civil engineer with a focus on assessing water infrastructure

the **ISSUE**

How to prioritize infrastructure assets when reacting to an earthquake early warning (EEW) system in the event of a major earthquake

the **OUTCOME**

Recommendations to inform the technological development of the EEW and the subsequent infrastructure management responses it triggers

EARTHQUAKE

HOW TO PLAN LONGTERM FOR CLIMATE CHANGE

the **FELLOW**

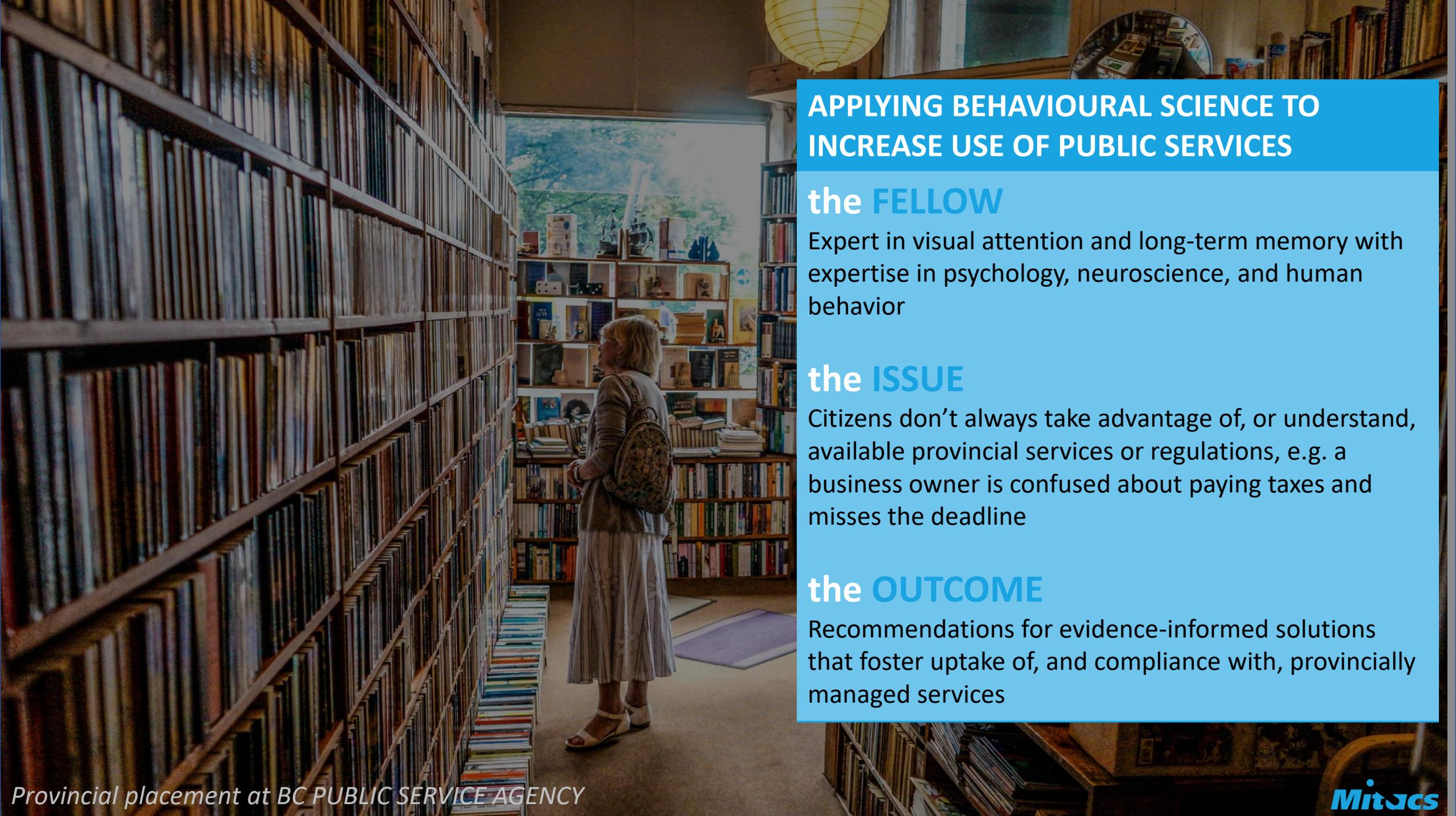
Expert researcher focused on managing environmental and social issues related to climate change and future thinking by decision makers

the **ISSUE**

Planning for climate change can be overwhelming and decision makers may not know where to start to protect local agriculture

the **OUTCOME**

The introduction of the pathways approach as a framework to support long-range planning and highlight agriculture as a sustainable means of local food production

A woman with blonde hair, wearing a light-colored jacket and a patterned backpack, stands in a library aisle. She is looking at a book on a shelf. The aisle is lined with tall wooden bookshelves filled with books. In the background, there is a window with a view of trees and a small table with various items on it. A white paper lantern hangs from the ceiling.

APPLYING BEHAVIOURAL SCIENCE TO INCREASE USE OF PUBLIC SERVICES

the **FELLOW**

Expert in visual attention and long-term memory with expertise in psychology, neuroscience, and human behavior

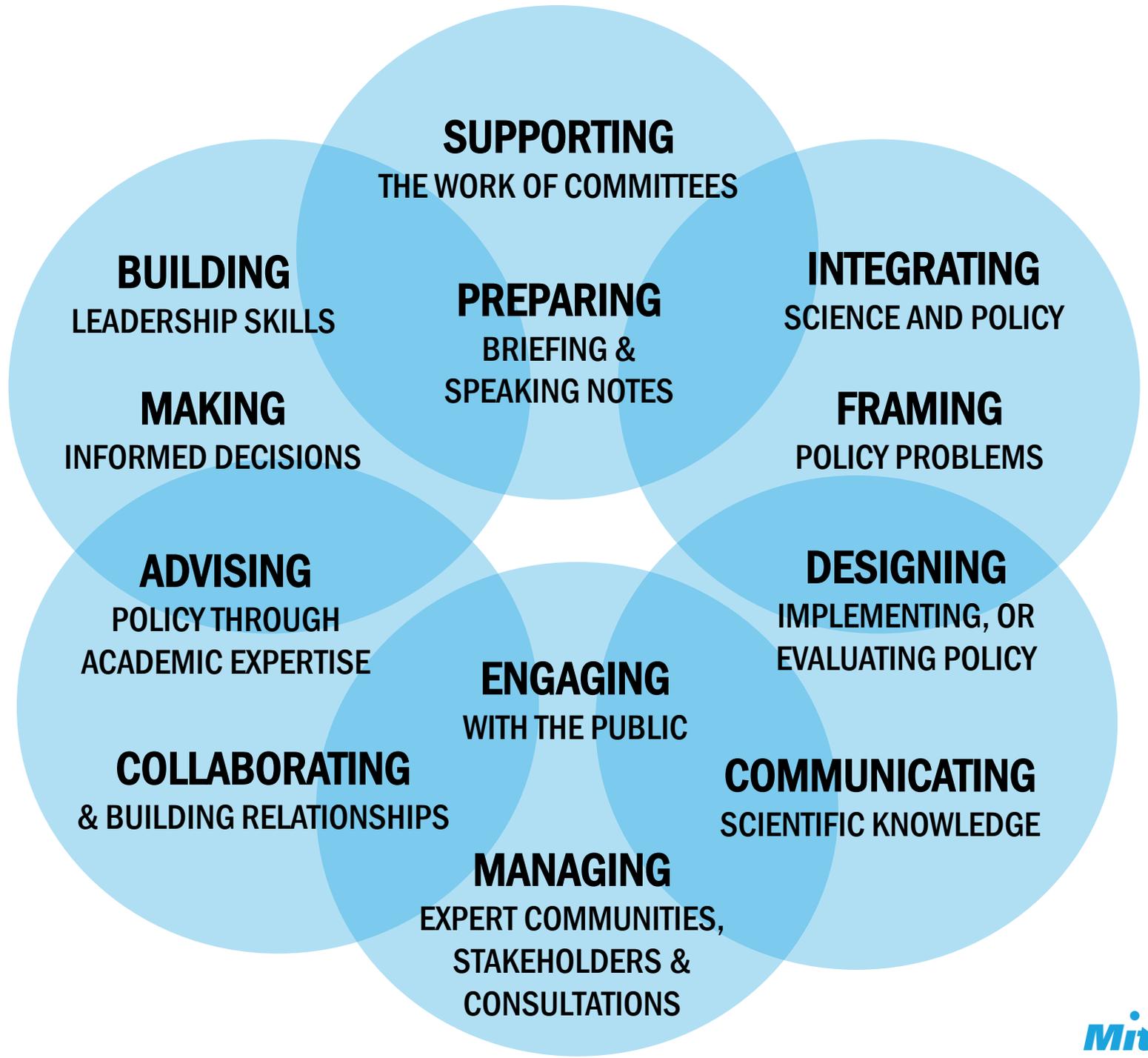
the **ISSUE**

Citizens don't always take advantage of, or understand, available provincial services or regulations, e.g. a business owner is confused about paying taxes and misses the deadline

the **OUTCOME**

Recommendations for evidence-informed solutions that foster uptake of, and compliance with, provincially managed services

**FELLOWS
GAIN SKILLS
THAT IMPACT
THEIR
CAREERS,
KNOWLEDGE,
AND
NETWORKS**



**DON'T
TAKE
OUR
WORD
FOR IT...**

"I have absolutely loved my experience. It has definitely allowed me to advance my career in a direction that I would not have been able to go had I not been accepted into the program."

2016-17 Canadian Science Policy Fellow

"The Mitacs Canadian Science Policy Fellowship is an invaluable program to attract highly qualified personnel to the Government of Canada. CFIA has now hosted 9 fellows in 3 years. We view the program as a mutually beneficial way to introduce critical food safety, plant health and animal health government functions to those with roots in academia. In return, we have been rewarded with talented, highly motivated, natural leaders who continue to make valuable contributions."

3-time Canadian Science Policy Fellowship Host

A network diagram with white nodes and lines on a blue background, partially obscured by a diagonal black and white split.

**APPLY
NOW!**

www.mitacs.ca/policy