



Canadian Food  
Inspection Agency

Agence canadienne  
d'inspection des aliments

# The Future of Plant Health Science:

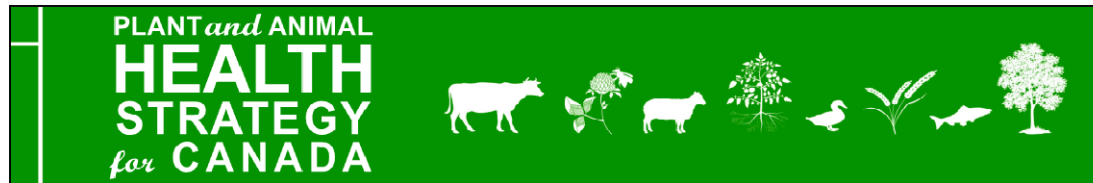
## *Establishing a Plant Health Science Mobilization Plan for Canada*

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***Executive Director, Plant Health Science Directorate***  
***Canadian Food Inspection Agency***



Canada 

# Overview of Plant Health Initiatives



## Coordination

### Canadian Plant Health Council

- Surveillance
- Biosecurity
- Emergency Response
- Information Sharing



## Platform

### Canadian Plant Health Information System

- CFSIN infrastructure
- Diagnostics
- Surveillance
- Collaboration
- Event Management



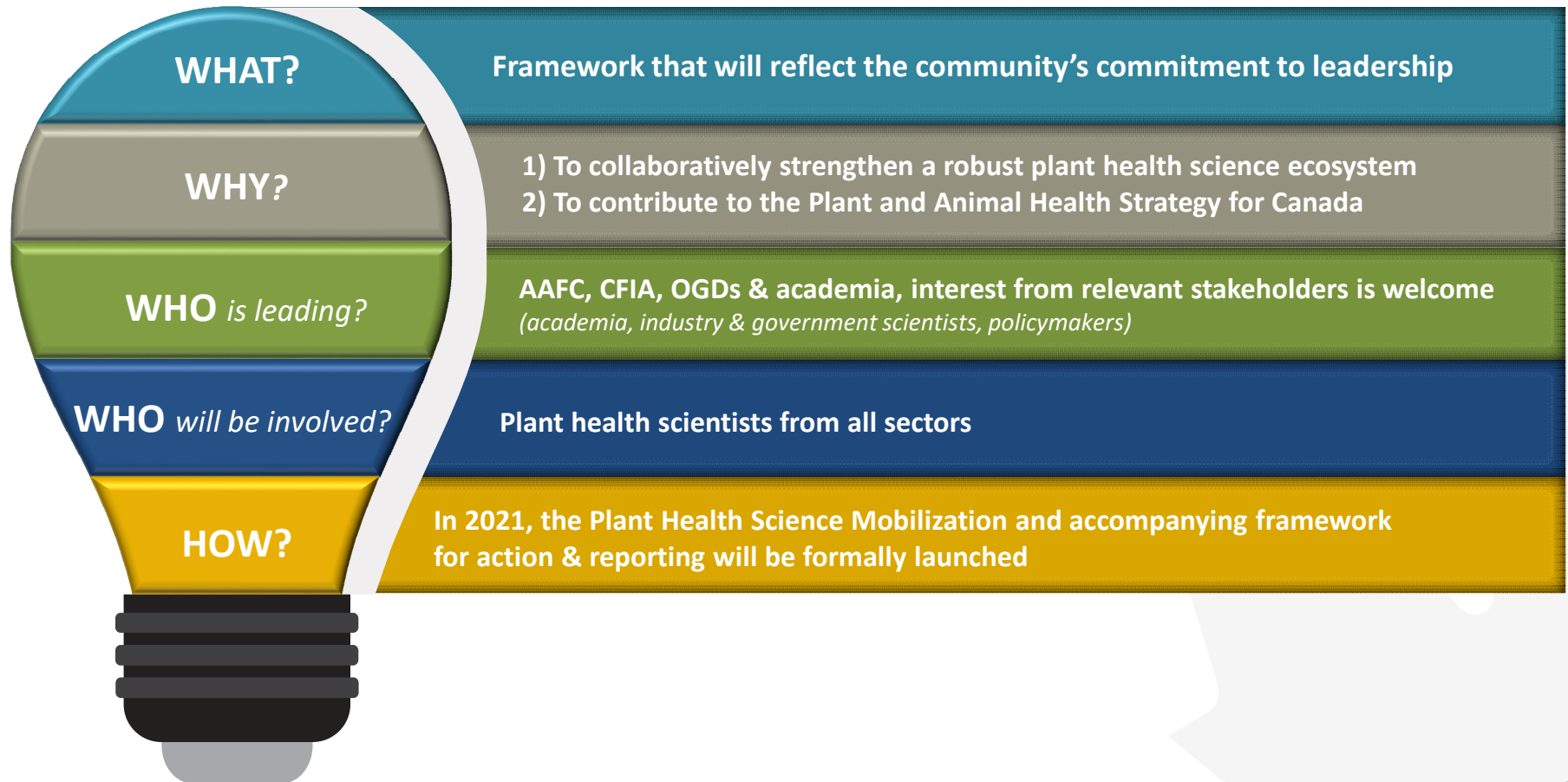
## Engagement Opportunities

### Strategic Initiatives, Outreach and Partnership Opportunities

- ✓ Plant Health Science Mobilization
- ✓ Canadian Council of Academies plant health risk assessment
- ✓ IYPH 2020
- ✓ Academia & FPT Plant Health Committee

# Plant Health Science Mobilization Plan

## Overview



# Plant Health Science Mobilization Plan

*will provide a framework by which to promote engagement with key stakeholders*



## Vision

For Canada to excel as a global leader in plant health science.



## Objective

To promote ongoing & new plant health science activities, encourage collaboration between plant health experts, and deliver the best possible **science** needed to protect and enhance **plant health**



## Principles

- ✓ Shared responsibility
- ✓ Effective coordination, motivation & collaboration
- ✓ Proactive, evidence-based decision making
- ✓ Action-oriented, results delivery approach

# Goals of the Plant Health Science Mobilization Plan



1

To advance plant health science through increased awareness, training and action

2

To mobilize the plant health science community towards a biovigilance approach

3

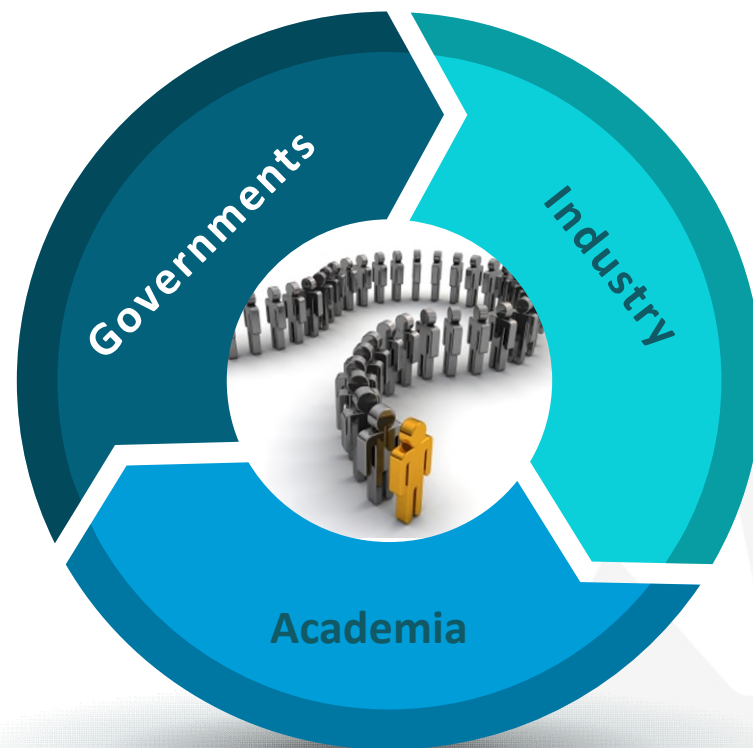
To enhance Canada's plant health through evidence-based decision making



# Goal 1

To advance plant health science through increased awareness, training and action

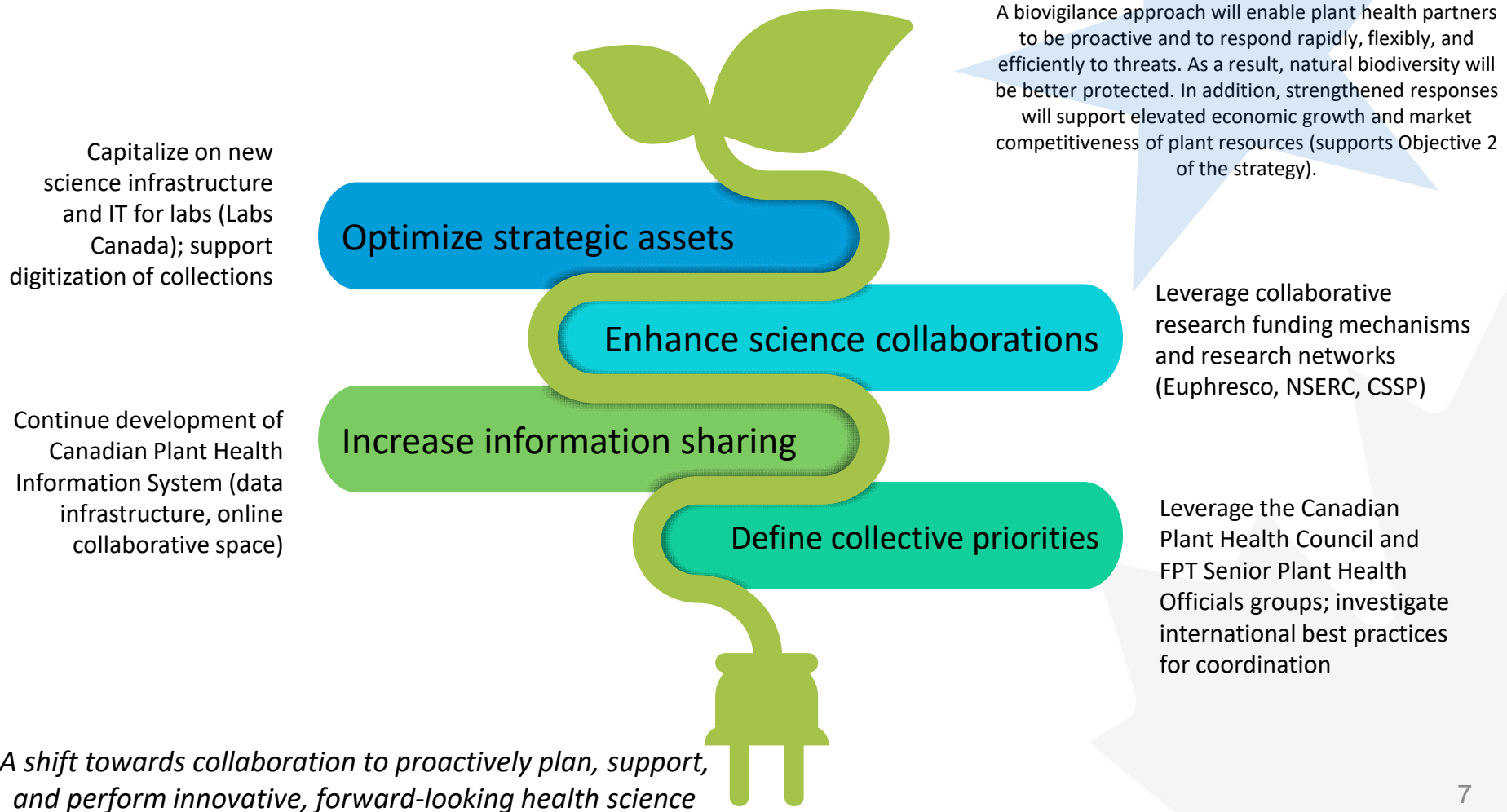
- Enhanced education and training
- Improved access to plant health science research opportunities
- Increased accessible science communications



*Outcome: Raising awareness about the impacts of plant health will inspire the next generation of scientists and citizen scientists and drive them to take action (supports Objective 1 of the strategy).*

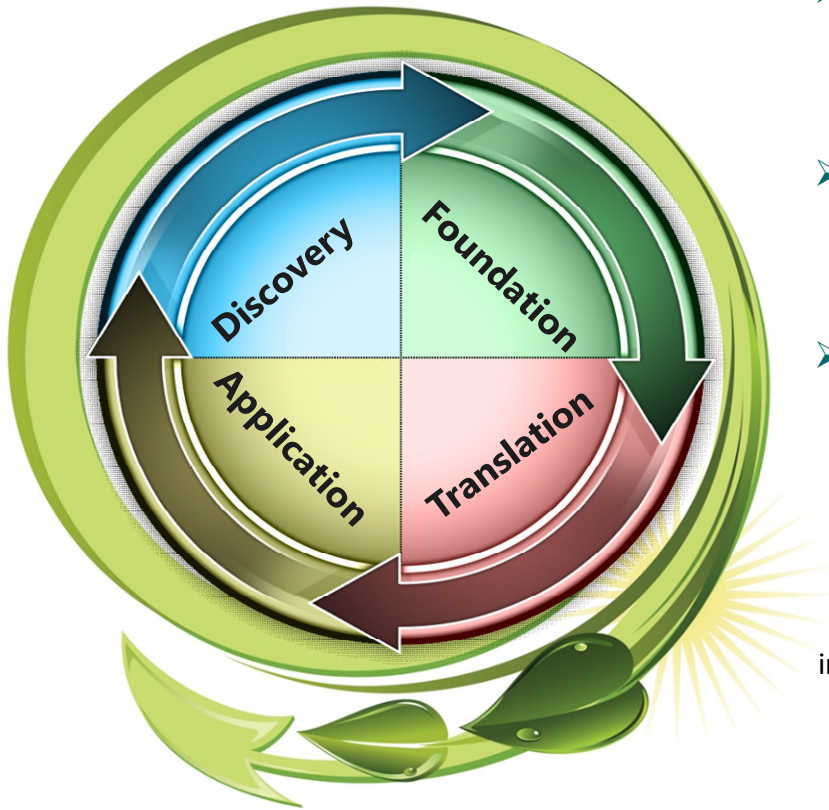
# Goal 2

## To mobilize the plant health science community towards a “biovigilance” approach



# Goal 3

## To enhance Canada's plant health system through evidence-based decision making



- To translate scientific evidence into usable information for growers, policymakers and other stakeholders to aid in decision-making
- To promote the development and implementation of an agile and progressive regulatory framework that supports innovation
- To combine and communicate knowledge and information across real and perceived boundaries, including traditional indigenous knowledge

*Outcomes:* Enhanced collection and transfer of plant health science information among stakeholders will support Canadian capacity to make decisions based on scientific evidence. As a result, Canada's global leadership position in plant health will be supported and advanced (supports Objective 3 of the strategy).



# Next Steps



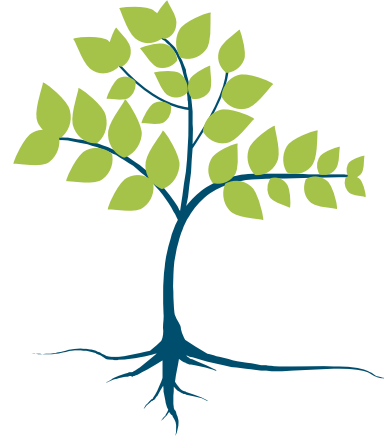
## Seed

Socialize the Plant Health Science Vision & Framework within the plant health science and research communities, review and revise concepts



## Nurture

Engage other research institutions & Canadian public, continue to develop and refine the focus, action plan targets & milestones



## Collaborate

Under leadership of the CFIA, AAFC and the Canadian Plant Health Council, implement the action plan



## Harvest

Track & communicate progress, report on key results, achievements & impacts as deliverables under the Plant and Animal Health Strategy for Canada

# Plant Health Science Action Plan

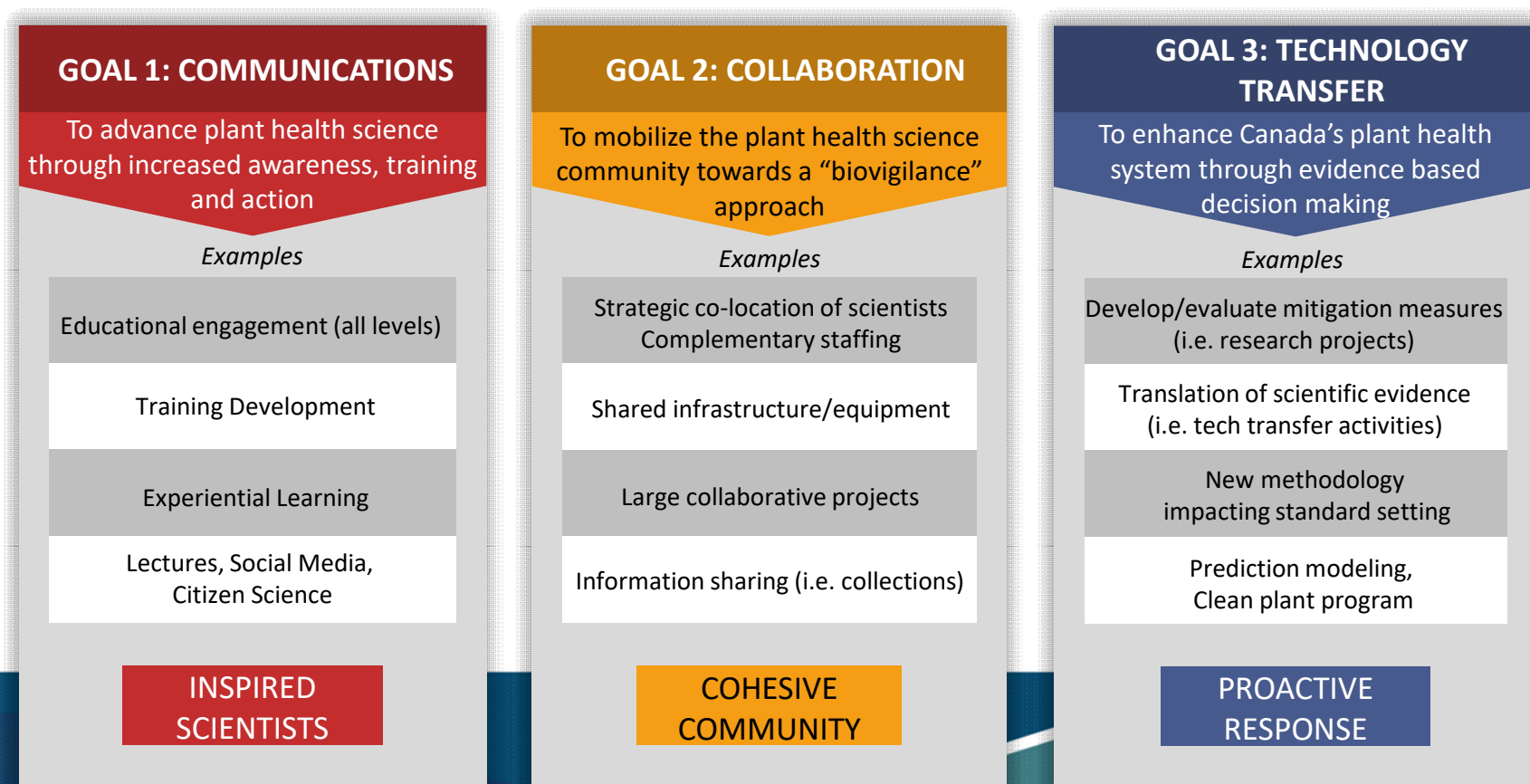
- Captures and tracks activities that will support delivery of the goals
- Allows identification of opportunities to strengthen collaborative efforts and create synergies in national plant health science

DRAFT - February 2, 2020

TITLE		PROJECT MANAGER					
ACTION PLAN TO IMPROVE PLANT HEALTH SCIENCE COORDINATION, INFORMATION COLLECTION AND KNOWLEDGE TRANSFER		CFIA					
Objectives	ACTIONS / ON-GOING INITIATIVES	LEADS (Name, Directorate, Agency)	Deliverables	Outcomes/Impacts	STATUS (COMPLETE, IN PROGRESS)	Comments / Details including Start/End Dates as applicable	
Goal #1: To advance plant health science through increased awareness, training, and action.	Key Outcome: Raising awareness about the impacts of plant health will encourage inspiration and action among the next generation of scientists and citizen scientists						
1.1 Include plant health science and resource management experiential learning throughout the education system to build interest among youth and enhance the talent pipeline within the research stream	Educational training materials/programs	CFIA / Uguelp	Plant health related curriculum for universities				
			Agriculture themed classroom programs				
		Communications & Public Affairs, CFIA	Youth toolkits distributed to Scouts Canada				
			Online training for plant pest identification				
1.2 Improve mentoring and reverse-mentoring opportunities to train the next generation of land managers and scientists	Cross-promote training for plant scientists on reference collection, barcoding and other digitization		Barcoding and digitization training programs				
1.3 Communicate science in a manner that enables evidence-based decision-making and builds public awareness, trust and citizen science engagement	CFIA - Regular and themed plant health communications that incorporate novel methods	Plant Science Research and Strategies, Communications & Public Affairs, CFIA	CFIA Monthly plant health seminars	Increase accessible science communications			
			Cultivating Science Blog on <a href="http://www.science.gc.ca">www.science.gc.ca</a> : 4 blog entries relating to PH				
			Plant Health Scientist interviews and videos				
			Public Digest Article on climate change : Authored by Martin Damus, published Feb 2020				
			Research impacts & success story: Citizen Science				

# Plant Health Science Action Plan

- What are your current / planned activities in support of the “*Plant Health Science Mobilization Plan*” goals?
- Round table: Identify activities to help us populate the Action Plan



# Annex: Biovigilance Continuum

