



# Ag Innovation Center and Ag Symbiosis

February 13, 2024

# Ag Innovation Examples



**Sprayer Using Cameras  
and AI to Target Weeds**



**Motion Detector and AI  
to Find Nematodes**



**Fungicide for  
Organic Farming**



# Ag Innovation Council Members

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**David Billetdeaux – Port of Benton**

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**Shane Hughes – Planet Turf**

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**Sam Chavoshi – Agnema LLC**

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**Lori Mattson – Tri-City Regional Chamber**

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**Israel Delamora – OIC**

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**Rachel Noah – Taggares Fruit**

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**Leslie Druffel – McGregor Group**

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**Phil Ohl – Tri-Cities Angel Alliance**

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**Karl Dye – TRIDEC**

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**Naidu Ryapati – WSU Irrigated Ag Center**

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**Jarrod Franson – Sun Pacific Energy**

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**Bill Shibley – Wheatland Bank**

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**Michelle Holt – BF Council of Governments**

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**Lindsey Williams – WW Community College**

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# Ag Innovation Center - WHY

Make TC Leader in Ag Innovation

Drive Interest in Ag Careers & Education

Capture Value of Creating New Ag Tech

Foster Innovation from Fieldworker to Corporation

TC is Leader in Ag Production

Connect Industry and Institutions

Ag is Missing Component in state "Clusters"



# Vision for Ag Innovation Center



## Ag Innovation Center, Tri-Cities WA

Capture opportunities for ag innovations by fostering new and novel products, forming a hub of connections across the ag economy, and developing technology that uplifts the workforce, producers and environment



# Ag Innovation Center - WHAT

R&D to Tech Transfer

Link to Higher Ed

Maker space

Focus on Private Sector Needs

Office Space

Automation  
Sustainability  
Precision Ag  
Biologics

Leverage Tech from Other Industries

Labs

Co-locate Ext Office, USDA, Commodity Groups

Gathering Space (Coffee Shop)

Product Showcase for Public



# Ag Innovation Center - HOW

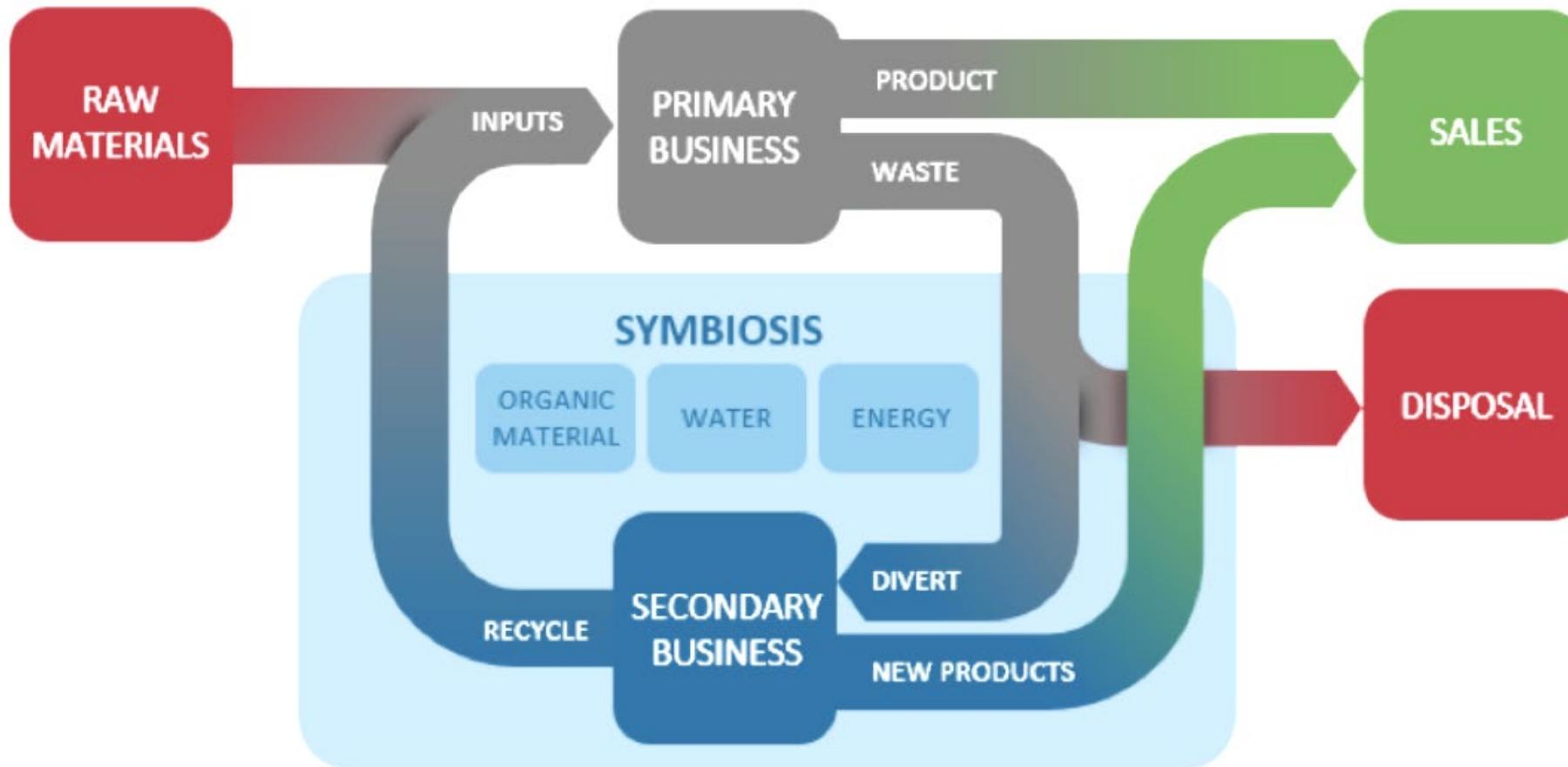
- WA State Funding for Feasibility Study – Rep. Barnard
- Grants for Design and Construction – EDA, USDA, Others
- Partnerships with:
  - Industry and Trade Associations
  - Higher Ed
  - Like-Minded Agencies
- Operating Cash for Part-Time Development Staff
- Vision Casting



# Milestone Schedule

	Q1 2023	Q2 2023	Q3 2023	Q4 2023	Q1 2024	Q2 2024	Q3 2024	Q4 2024
Ag Innovation Center	Feasibility Study		Scope of Work	Feasibility Study Performed by Consultant + Economic Feasibility	Go After Funding (Grant and/or Private) for Staffing	Go After Funding (Grant and/or Private) for Staffing	Funding Obligations	
	Staffing				Go After Funding (Grant and/or Private) for Construction	Go After Funding (Grant and/or Private) for Construction	Funding Obligations	Hire Launch Manager
	Construction							
	Design							Design Work
	Programming		AG Expo Relaunch					
	Partner Projects		Semillero Mobile Fab Lab					
	Q1 2025	Q2 2025	Q3 2025	Q4 2025	Q1 2026	Q2 2026	Q3 2026	Q4 2026
Ag Innovation Center	Feasibility Study							
	Staffing		Launch Manager Ongoing		Launch Manager Ongoing	Hire Staff		
	Construction			Construction			Construction	
	Design	Design Work						
	Programming							
	Partner Projects							

# Ag Symbiosis Value Chain

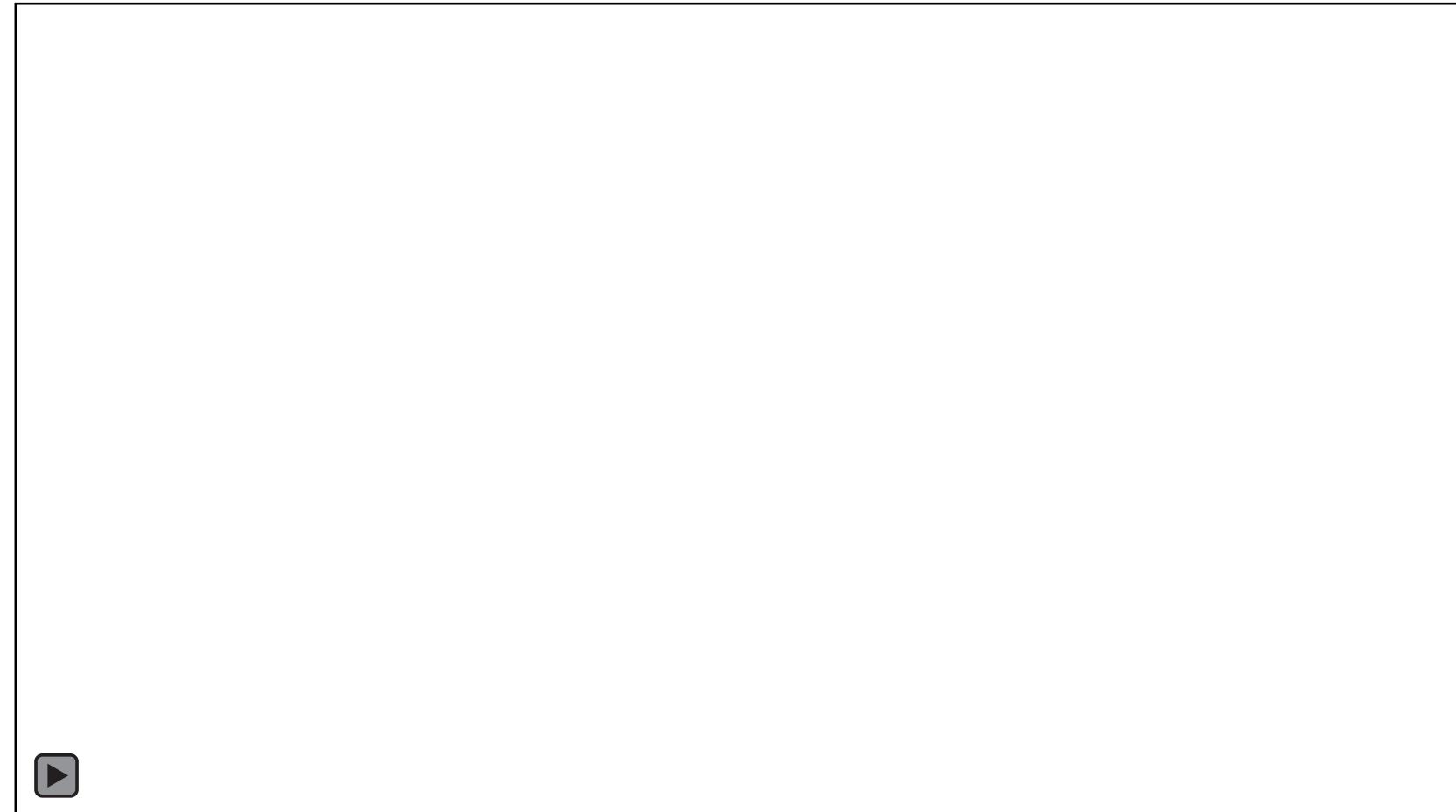


# GreenLab Symbiosis Park-Denmark



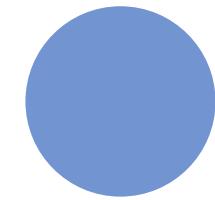
GreenLab's biogas plant produces heat and fertilizer from manure and waste from various production units.

It uses excess heat from Stiesdal's Skyclean plant in their production.



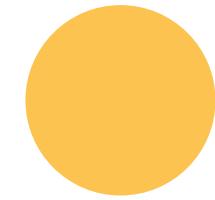


# Potential Pasco Sites for Ag Symbiosis Park



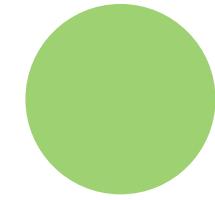
**Area 1**

Port of Pasco & Private



**Area 2**

DNR



**Area 3**

DNR



# Ag Symbiosis Efforts

