

Paradox of Plants & Place: Local Gardens Grow Global Goals

Tara Moreau, PhD

Associate Director, UBC Botanical Garden

Wendee Lang

SCARP MCRP and Wellbeing Scholar UBC Sustainability Scholars Program

UBC Botanical Garden

**THE CLIMATE IS CHANGING
FASTER THAN WE ARE.**

©2013 Northern Sun Merchandising

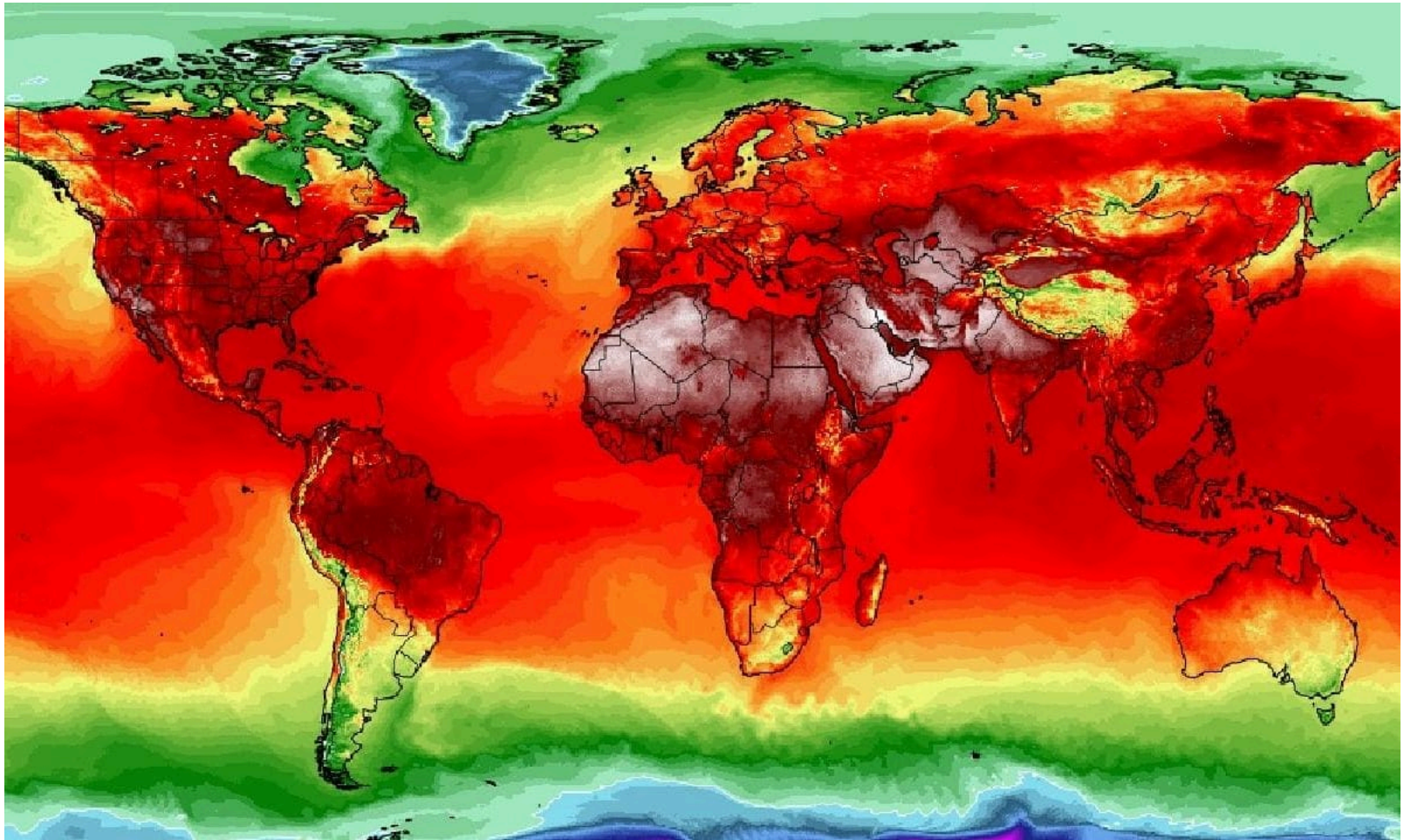
Minneapolis, MN 55406

www.northernsun.com

800.258.8579

7415

The Anthropocene



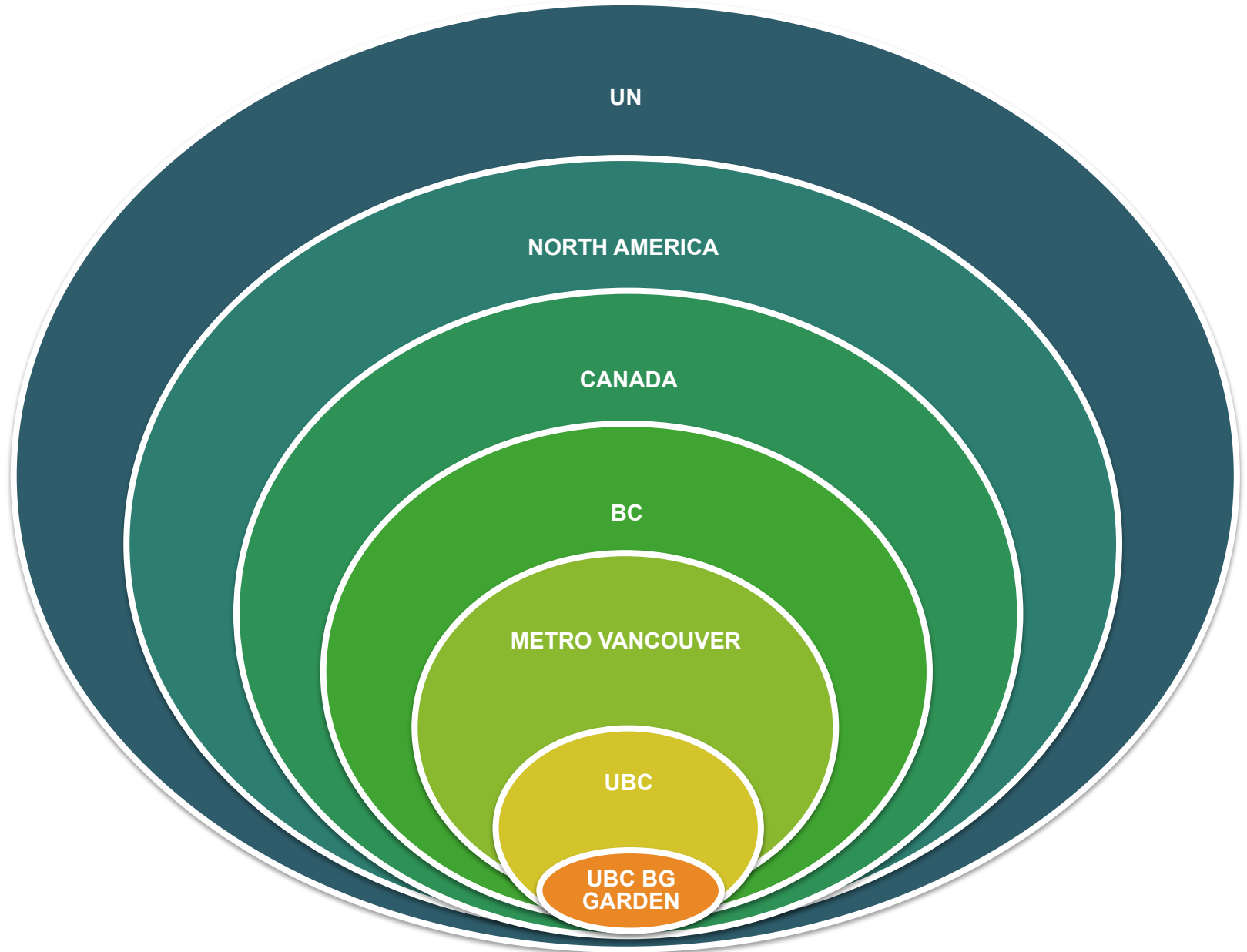
A global heat map shows how temperatures are soaring across the planet during the summer of 2018.
Photograph: Climate Reanalyzer/Climate Change Institute/University of Maine

Biodiversity for Food Security

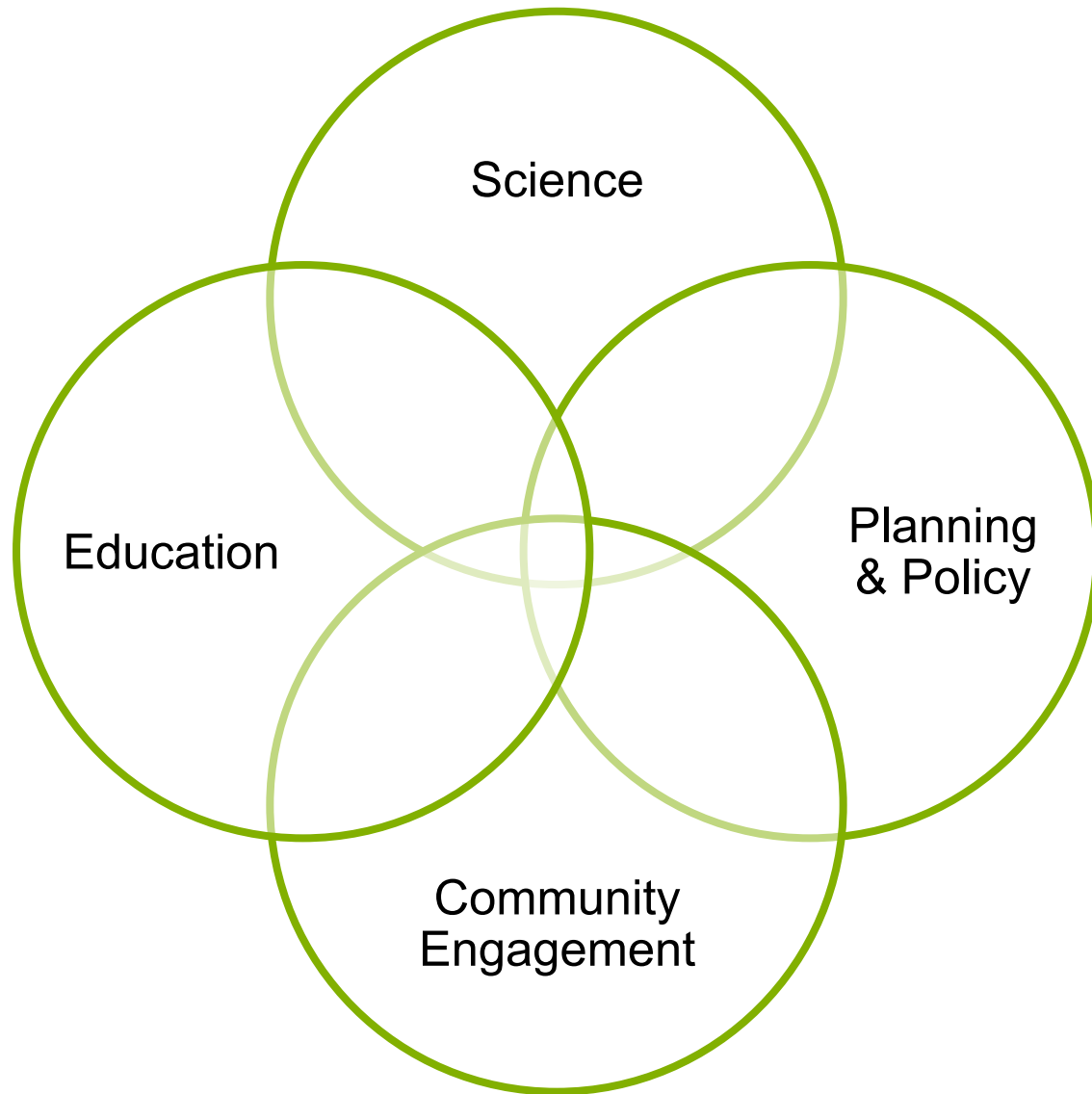


The local and global paradox

Goal: Joined Up Food Systems



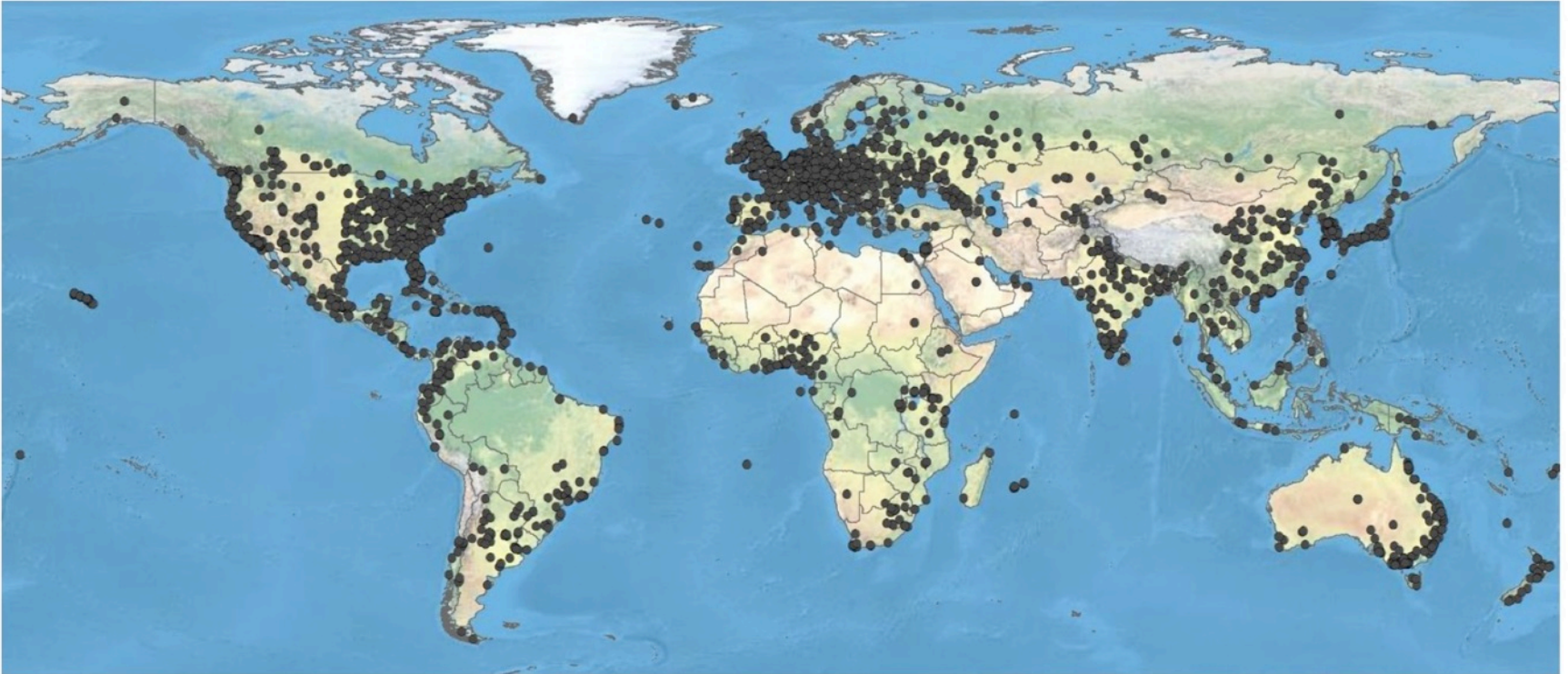
Goal: Critical Food Literacy



Goal: Policy-Informed Education



Botanical Gardens = 2837 allies



UBC Botanical Garden

VISION

Plants are understood, valued, celebrated, and secure in a healthy, biodiverse world.

MISSION

Education

Research

Conservation

Public display

Community outreach



THE UNIVERSITY OF BRITISH COLUMBIA

Faculty of Science

Food Garden @ UBC Botanical Garden



Sustainability Education






Connection to Place

Partnerships & Programs



A group of approximately ten people are walking across a suspension bridge in a lush forest. The bridge is made of thick ropes and a net. The people are dressed in outdoor gear, and some are smiling. The background is filled with tall trees and dense foliage.

Sustainable Communities Field School

Team Building for Businesses



UBC Botanical Garden

With
Partners



Water Conservation



Zero Waste



Sustainable Food Choices





Food Procurement

UBC Food Asset Map: Vancouver...

The UBC food asset map is a living object and we encourage your feedback and input. If you would like to suggest inclusions and/or revisions, please [more](#)

272 views

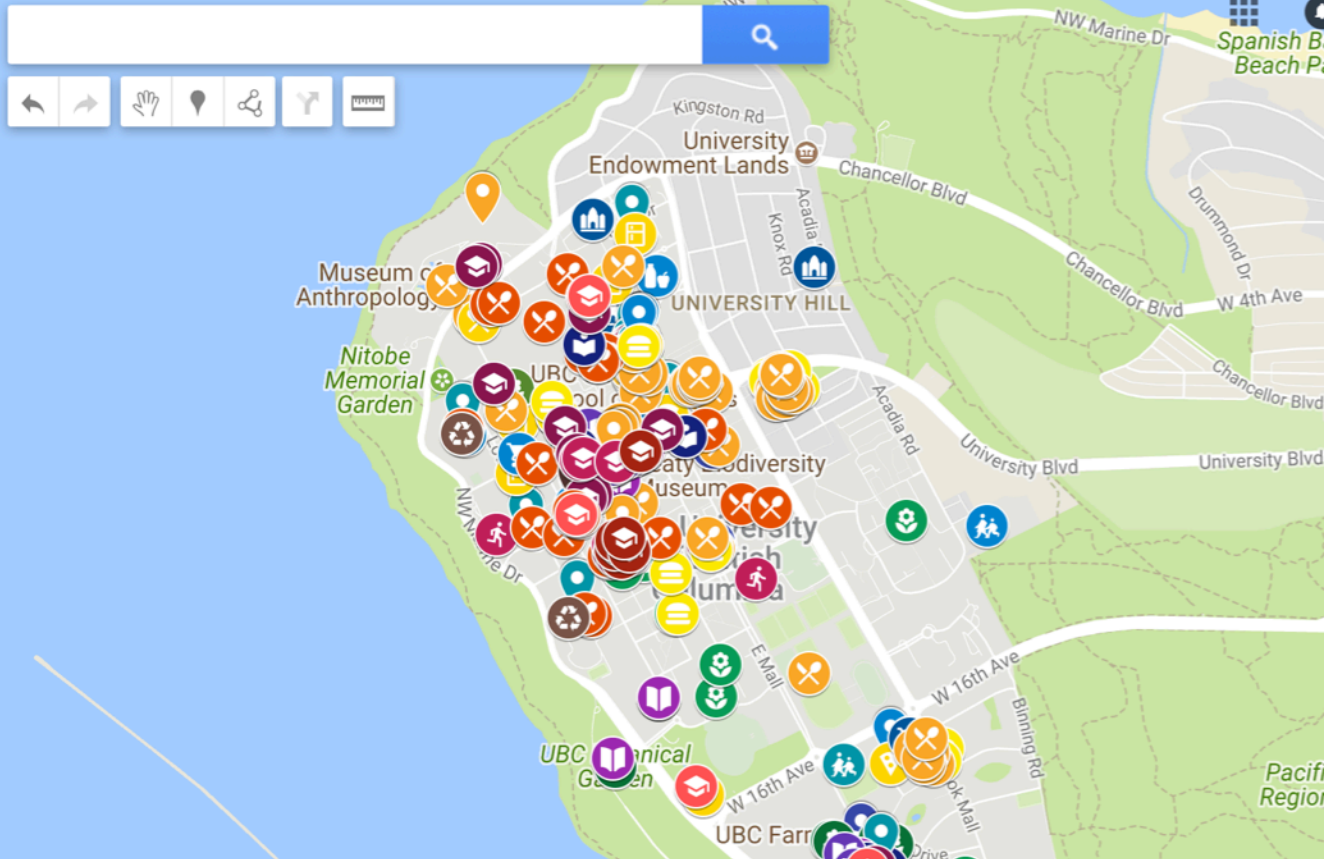
All changes saved in Drive

Add layer Share Preview


Cultural and Community Food Gr...

Styled by Category

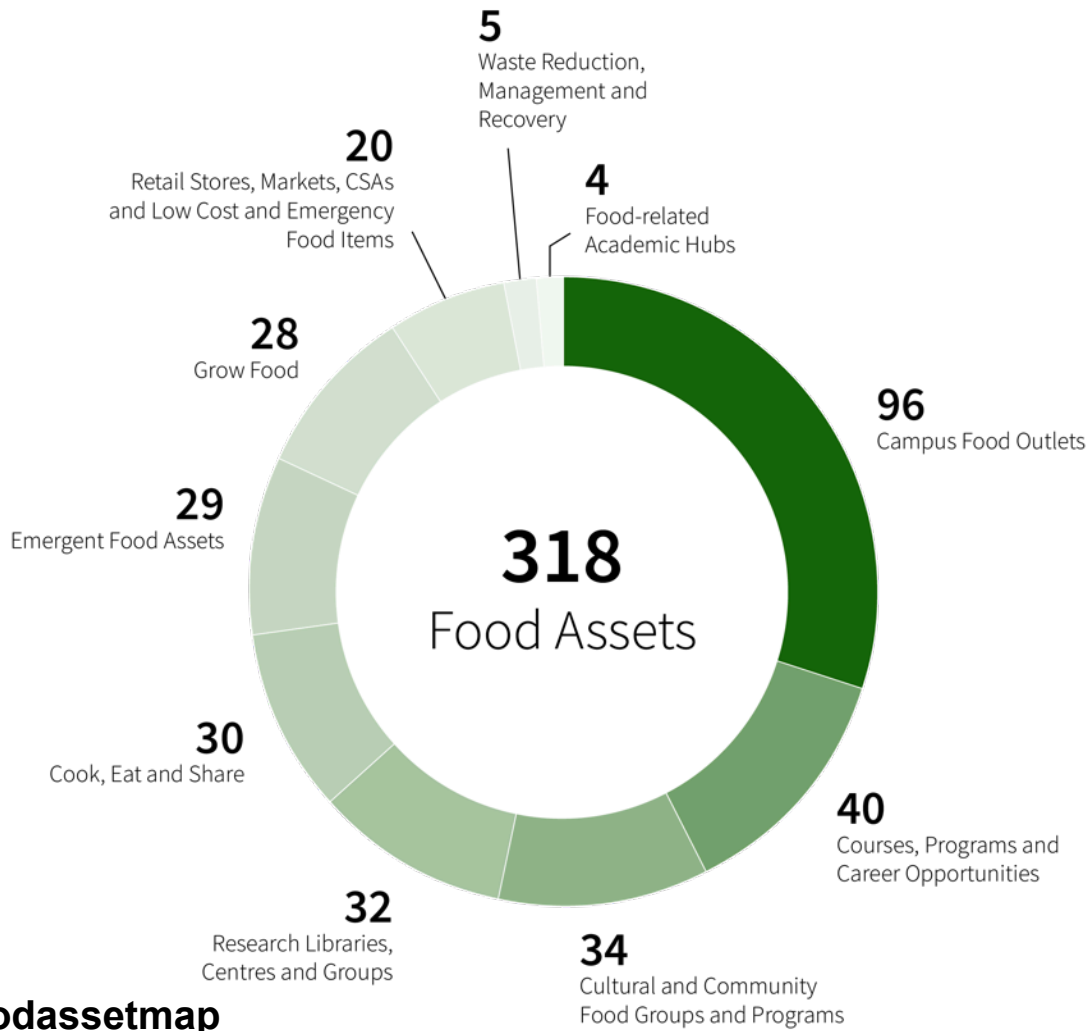
- Student Organization (18)
- Indigenous-focussed Cultur... (5)
- Religious Organization (3)
- Independent or Private School (2)
- Community Centre (1)
- Community Initiative (1)
- Elementary School (1)
- Indigenous Organization (1)
- Secondary School (1)



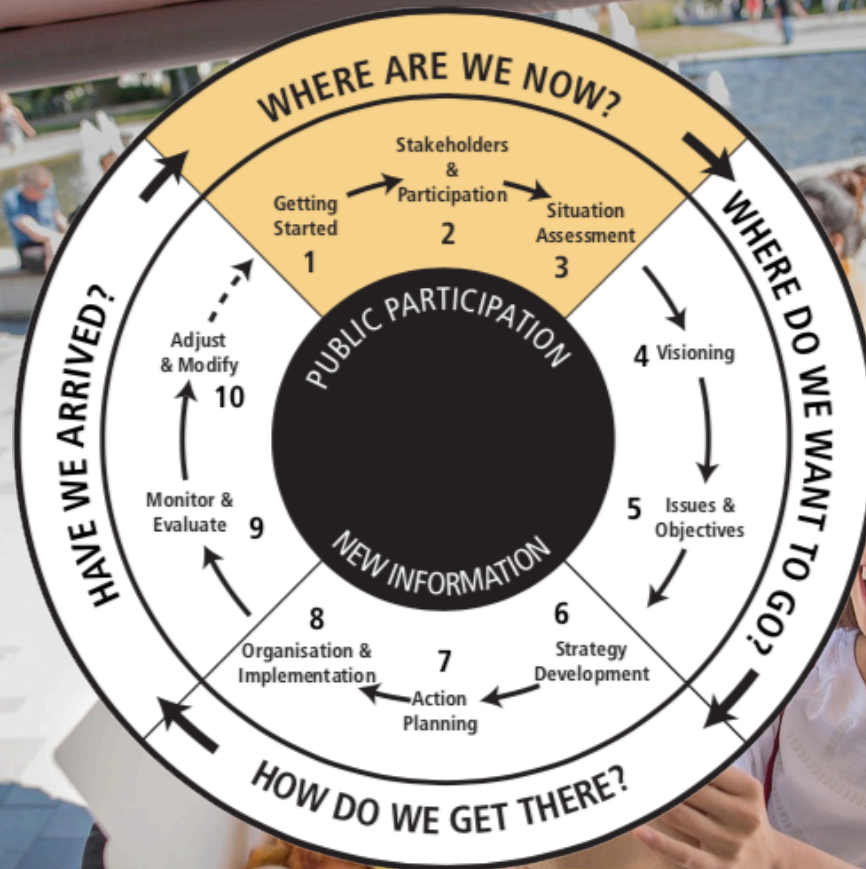
UBC Botanical Garden + SEEDS + UBC Food Services



A food asset is a resource, facility, program, place, knowledge hub or service that supports a food system (from field to fork to compost) and may provide people the opportunity to learn about, grow, access, cook, eat, share or dispose of healthy and culturally important food. Food assets should be integrated to build community and enhance the environmental, economic, social and nutritional wellbeing of the UBC Vancouver campus.



sustain.ubc.ca/foodassetmap



Source: Promoting Local Economic Development through Strategic Planning, EcoPlan International

Regional Government

growgreen

A GUIDE TO ECO-FRIENDLY LAWNS AND GARDENS IN METRO VANCOUVER

Design Your Space

Take this quick and easy quiz to create your personalized, eco-friendly lawn or garden plan

Find the Right Plant

Browse our collection of non-invasive plants to find the best choices for your lawn or garden

MENU ☰

metrovancouver



UBC Botanical Garden

www.growgreenguide.ca

Designs of All Sizes

Whatever your space, we can help you grow a beautiful, sustainable outdoor garden. Getting started is easy. Browse the designs below, and click on an image to learn more about it. Not sure which design is right for you? Tell us a bit about your **gardening ambitions (and garden conditions)**, and we'll give you plans suited to your space.

NARROW YOUR RESULTS ⊗

- | | | | | | |
|--|--|--|--|---|---|
| Type of Space [^] | Purpose [^] | Benefits [^] | Amount of Sun [^] | Wet Winter Soil [^] | Exposed to Elements [^] |
| <input type="checkbox"/> Balcony or Patio
<input type="checkbox"/> Garden | <input type="checkbox"/> Flowers and Foliage
<input checked="" type="checkbox"/> Food | <input type="checkbox"/> No preference
<input type="checkbox"/> Support native plants
<input type="checkbox"/> Pollinator-friendly | <input type="checkbox"/> Full Sun
<input type="checkbox"/> Part Sun
<input type="checkbox"/> Shade | <input type="checkbox"/> No
<input type="checkbox"/> Yes | <input type="checkbox"/> No
<input type="checkbox"/> Yes |

42 plans found



LETTUCE HAVE TULIPS



THYME FOR ROSES



GORGEOUS GARNISHES AND GREENS



BEAUTY AND THE BEANS



The importance of Crop Wild Relatives

What are crop wild relatives?

Crop wild relatives are wild plant species that are related to a particular crop



Like people, a crop can have many relatives that can be more or less closely related

Wild relatives of banana



10
primary

15
secondary

1
tertiary

Wild relatives of finger millet



3
primary

3
secondary

3
tertiary

Why are crop wild relatives important?

They are a source of resistance against **pests and diseases**



They can enhance the **nutritional quality** of crops

Their traits can provide tolerance to:

Extreme temperature

Drought

Salinity



It has been estimated that the contribution of crop wild relatives to improving food production has an annual value of

US\$115-120
billion worldwide



Search This Site



Professional Development

Find Your Specialty

Communities

Library/Media Center

2018 Conference

2019 Conference

Association Symposia

Celebrating Crop Diversity Symposium

Horticulture, Greenhouses, & Facilities Symposium

Plant Collections Symposium

Development and Membership Symposium

Career Center

Celebrating Crop Diversity Symposium

Celebrating Crop Diversity: Connecting Agriculture, Public Gardens, and Science

Tuesday April 2 to Thursday April 4, 2019



This rare opportunity has been made possible by a unique collaboration between the American Society of Agronomy, Crop Science Society of America, the American Public Gardens Association, and the World Food Prize Foundation to bring together the public garden world and the agro-ecosystem research community. This symposium and accompanying projects will capitalize on a systematic connection between public gardens and the agro-ecosystem communities to significantly enhance the value of the U.S. agricultural and horticultural research and education.

When plant breeding research and industry communities pair with the public garden-based crop-wild relative research and germplasm repository community, prepare to kick-off visionary

A group of people is seen from behind, walking across a suspension bridge made of ropes and netting. The bridge is set in a lush, green forest with tall trees and dense foliage. The people are dressed in casual outdoor attire, including hats and backpacks. The scene is bright and natural, suggesting a daytime outdoor activity.

Thank You!

Questions? tara.moreau@ubc.ca

UBC Botanical Garden