Alaska Common Ground presents

Food Systems

Thursday, March 25, 7-8:30pm

Moderator: Dr. Micah Hahn University of Alaska-Anchorage
Join us for the whole series!

BUILDINGS & ENERGY
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LAND USE & TRANSPORTATION
RECORDING AVAILABLE AT WWW.AKCOMMONGROUND.ORG

FOOD SYSTEMS
TONIGHT!

CONSUMPTION & SOLID WASTE
THURSDAY, APRIL 29TH, 2021
7 pm to 8:30 pm
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• Remember us when you Pick.Click.Give!
• If you have a question, please write it in chat. These will be collected and asked by the moderator.

• We will be recording this event. Links to this recording will be available on our website.

• We are livestreaming this event on Facebook.

• Please keep yourself on mute.

• Speaker view is probably best

• Thanks for your patience as we work in this virtual format.
Program

● Welcome, Alaska Common Ground, Dick Mylius, Chair
● Moderator, Micah Hahn, UAA/Books of the Year Program
● Introduction:
  ○ Anchorage Climate Action Plan
  ○ Climate change, greenhouse gas emissions, and food systems
● Rapid-fire panel: “Smorgasbord” of ways you can be involved in our local Alaskan food system and reduce the carbon footprint of your diet
● Q&A
Panelists

- Edible Alaska - Amy O’Neill Houck
- Arctic Harvest Deliveries - Kyla Byers
- Alaska Food Hub - Robbi Mixon
- Yarducopia - Nick Riordan
- Anchor Gardens - Cindee Karns
- AK Pioneer Fruit Growers Association - Mark Wolbers
- Space Farming Institute - Lorrie Irwin
- Anchorage Urban Sustainability Farm - Shelley Rowton
- Alaska Native Tribal Health Corp - Jackie Qatalina Schaeffer
- Becoming an Outdoors Woman Program Alaska - Katelyn Zonneville
- The Alaska Hunting Collective - Jason Croft
- Intertribal Agriculture Council - Tikaan Galbreath
- UAF Cooperative Extension Service - Sarah Lewis
- AgAlaska, Alaska Village Initiatives - Ronalda Angasan
- Alaska Food Policy Council - Rachael Miller
What is your favorite Alaskan food?

ℹ️ Start presenting to display the poll results on this slide.
2050 Vision
Anchorage will have an ecologically, socially, and economically resilient food system, where culturally-relevant and sustainably produced and sourced foods are available to everyone.
Food is responsible for ~one-quarter of global GHG emissions.

Food waste is the world’s third largest emitter, behind China (24%) and the U.S. (12%), of global GHG emissions.

- Emissions from food that is never eaten accounts for 6% of total emissions.
- Food production is responsible for 26% of global greenhouse gas emissions.
Trying to cut back on carbon in your diet?

Eliminate food waste

Think about WHAT you are eating

Think about WHERE it comes from (And WHEN!)
Greenhouse gas emissions per kilogram of food product (kg CO₂-equivalents per kg product)

Factors such as transport distance, retail, packaging, or specific farm methods are often small compared to importance of food type.

CO₂ emissions from most plant-based products are as much as 10–50 times lower than most animal-based products.

Methane production from cows, and land conversion for grazing and animal feed means beef from dedicated beef herds has a very high carbon footprint.

Beef (beef herd)
Lamb & Mutton
Cheese
Beef (dairy herd)
Chocolate
Coffee
Prawns (farmed)
Palm Oil
Pig Meat
Poultry Meat
Olive Oil
Fish (farmed)
Eggs
Rice
Fish (wild catch)
Milk
Cane Sugar
Groundnuts
Wheat & Rye
Tomatoes
Maize (Corn)
Cassava
Soy milk
Peas
Bananas
Root Vegetables
Apples
Citrus Fruit
Nuts

Transport emissions are very small for most food products.

Pigs and poultry are non-ruminant livestock so do not produce methane; they have significantly lower emissions than beef and cattle.

Flooded rice produces methane, which dominates on farm emissions.

Methane production from cows means dairy milk has significantly higher emissions than plant-based milks.
Is it better to “eat local” to reduce my carbon footprint?

Transportation emissions
General guidelines for decreasing the carbon footprint of your diet in Anchorage (after dealing with food waste and farmed meat!)

- Avoid foods that have been transported by air
- Eat seasonally, and use preservation techniques to extend the time of year when you can eat these foods
I “eat local” to reduce my carbon footprint and...

- Learn a new skill (e.g. growing, preserving, harvesting wild foods)
- Meet my neighbors
- Understand how my food is produced
- Support the local economy
- Establish traditions in my family
- Explore Alaska!
We tell stories of food and drink in Alaska.
ediblealaska.com
ENGAGE!

📖 Read the magazine
🤖 Sign up for our newsletter
🎈 Become a print subscriber
📢 Become an advertising partner
❤️ Follow us on social
@ediblealaska
100% Alaskan Produce, Eggs, Meat, Seafood & Pantry Staples
At Your Favorite Restaurant
Ask your server about local products

Shop Our Online Store
Shopping open every week
3pm Fri – 9pm Sun

Summer Farm Shares
Subscription signups open the first week of April
Get In Touch!

- Visit our website
- Signup for our newsletter
- Follow & like on social media
- Contact us directly with any questions. We love chatting about local food!

arcticharvestak.com
arcticharvest@outlook.com
FB & IG
@arcticharvestdeliveries
907-764-5115
Alaska Food Hub

alaskafoodhub.org
Alaska Food Hub:: How Does it Work?

Get Involved!
Purchase, Sell, or Volunteer with the Alaska Food Hub

Email us at:
info@alaskafoodhub.org

Visit:
alaskafoodhub.org
facebook.com/AlaskaFoodHub/
instagram.com/alaskafoodhub/
Yarducopia.org
garden@akaaction.org

PERMACULTURE STYLE LASAGNE GARDEN
*Building organic rich soil for free using local materials*

- Plants
- 3-4 inches of mulch
- 2-3 inches of topsoil
- Spent grain
- Deep layer of manure & straw
- High nitrogen liner
- Overlapping cardboard
- High nitrogen layer
- Lawn
Join the Yarducopia Community!

- Sign up as a gardener
- Share yard space
- Volunteer to build gardens
- Offer supplies
- Donate
- Compost & garden!

You can sign up at our website - Yarducopia.org

Or contact us by phone or email - garden@akaction.org
907-717-4392
Where do you start?
Alaska Pioneer Fruit Growers Association

Founded in 1985 - a 501(c)5 non-profit since 1994

www.apfga.org

Mission Statement:
Members share in and benefit from the personal experience of successful fruit growing in Alaska and to help educate any person(s) interested in the fruit growing experience. The Association is organized for charitable, educational, and scientific purposes.
Individual/family dues are $16/year
www.apfga.org

The following fruits are grown in Alaska:
Apples, Cherries, Strawberries, Currants, Gooseberries, Raspberries, Kiwis, Lingonberries, Blueberries, Saskatoons, Apricots, Elderberries, Nagoonberries, Watermelon berries, Plums, Haskaps (Honeyberries), Pears, Peaches, Grapes, Filberts, Blackberries, and more!
Learn to grow fruit with us!

www.apfga.org

Monthly winter programs
Annual workshops on:
  Pruning
  Grafting
  Top-working
Monthly email newsletters
Summer orchard tours
Fall apple tastings
Cider Pressings
Space Farming Institute

We teach -

Science  Astrobotany  Biotechnology  Bioengineering  Robotics

Technology

Engineering

Math

STEC Class
Want to be a farmer or astronaut? Why not both?

Starting April 5th
$240.00 for 4 weeks
COVID Safe Digital Classes & Kits

Attention Agronauts
We offer instructor-led online learning experience integrating space technology and plant biology to teach students how to grow fresh food like astronauts in space. Our students conduct their own growing experiments investigating how leafy greens life cycles unfold before their eyes.

Through planning and planting, students use 3D systems and resources to create and test how plants grow in different hydroponic systems.

Leafy Green Investigation
Size limited to 15 students, only 6 classes available.
Contact us if you have questions at INFO@spacefarminstitute.org

Space Farming Institute

Register Online Now!
WWW.Agronauts.org/Classes
Astrobotany

We Grow Fresh Food

Students learn how to grow fresh food year round

- Leafy greens
- Herbs/spices
- Flowering vegetables
- Edible flowers

We DONATE Fresh Food to help feed hungry kids

Space Farming Institute
Space Farming Institute

TAKE a Class
JOIN our Research

• Scientific Writing
• Intro to Hydroponics
• Leafy Green Investigations

SPONSOR an Agronaut or Workshop

DONATE
Help feed Hungry Kids

Space Farming Institute is a 501 (c) (3) non-profit recognized for charitable giving by the IRS.

Website – WWW.AGRONAUTS.ORG
Facecebook – SPACE FARMING INSTITUTE
Anchorage Urban Sustainability Farm

Provide a healthy, equitable atmosphere for innovation and training in sustainable disciplines within a community space featuring agriculture, public art, and Native Heritage.

The Vision

Shelley Rowton – Municipality of Anchorage
Potential Programs & Infrastructure

- Greenhouses and shipping container growing units
- Additional raised garden beds
- Containerized orchard (fish totes & apple trees)
- Shipping container or mobile food court
- Farm to table small business incubator
- Gathering spaces
- Pop-up retail
- Public art installations
- Nature-inspired play
- Interactive learning and wayfinding
- Friends of the Farm (fundraising group)
- Long-term management of the Farm
- Educational programming

- Agricultural innovation
- Renewable energy
- Job training
- Small business support
- Public art
- Therapeutic use
Our Vision:

Alaska Native people are the healthiest people in the world.

Mission Statement:

Providing the highest quality health services in partnership with our people and the Alaska Tribal Health System.

ANTHC - Jackie Qatalina Schaeffer
Traditional Plants, Harvest Practices, Preservation Methods

ANTHC - Jackie Qatalina Schaeffers

https://anthc.org/
Traditional Gardens on Campus

ANTHC - Jackie Qatalina Schaeffer

https://anthc.org/

Alaskan Plants as Food & Medicine Symposium

Alaska Native Tribal Health Consortium
ALASKA DEPARTMENT OF FISH & GAME

BECOMING AN OUTDOORS-WOMAN PROGRAM

www.bow.adfg.alaska.gov
WORKSHOPS & CLASSES

BOW WORKSHOPS
Held annually over 3 days in Fairbanks, Anchorage, and Juneau.

BOW CLASSES
Individual classes held throughout each year in various locations.
How you can Get Involved!

Participate in Classes!
All classes are listed on our website each year at www.bow.adfg.alaska.gov
Registration opens 3-4 weeks prior to class dates.

Become an Instructor!
Interested in helping teach a skill?
Contact adfg.dwc.southcentralbow@alaska.gov to fill out an instructor application form.

Follow us on Facebook!
All classes, events, and information is posted regularly on our facebook page.
www.facebook.com/BecomingAnOutdoorsWomanAlaska
What is hunting good for?
Working Together
For Quality Opportunities

https://firsthuntfoundation.org/

www.backcountryhunters.org/
SUCCESS

alaskahuntingcollective@gmail.com
IAC’S TECHNICAL ASSISTANCE PROGRAM

Through collaboration between the U.S. Department of Agriculture Office of Tribal Relations and the Intertribal Agriculture Council, the Technical Assistance Centers were established in order to increase access and use of USDA programs and services by Indian producers and Tribes. By working to streamline existing programs and assisting producers with the application process, our goal is to build a more functional relationship between the USDA and Indian Country and play a role in the evolution of those programs over time.

REGIONS

Click on your location to view your region information
The diversity of Alaska’s food system creates an incredible opportunity to pursue creative solutions that can be successful in multiple ways. By combining traditional foods and the associated ecological knowledge with traditional western approaches to agriculture there is a unique opportunity to create local and regional economic stimulus, increase diversity and quality of food available, and address concerns that may exist about food security.
Extending Knowledge, Changing Lives

Alaska Food Security
Agriculture & Climate Change
Youth Development
Greenhouse Research
Nutrition Education
Produce Safety
Food Entrepreneurship
Food Preservation
Tuesday, March 30
9:00am - Produce Safety Alliance Grower Training begins (2-Day)
9:00am - AgrAbility Workshop: Working with Service Connected Disabled Veterans
12:00pm - Composting: one part of your personal sustainable lifestyle
6:00pm - Diabetes Prevention Program - Sitka District (year-long)
6:00pm - Extending the Growing Season with Sustainable Heat

Wednesday, March 31
12:00pm - Diabetes Prevention Program Mat-Su District (year-long)
2:15pm - Walkabout Wednesday w Ann & Jodie (Live gardening Q&A, weekly)

Thursday, April 1
12:00pm - Spring Clean with Green Products
6:00pm - Diabetes Prevention Program - Fairbanks District (year-long)

Saturday, April 3
1:00pm - Preserving Alaska’s Bounty course begins (7 weeks)

Tuesday, April 6
9:00am - Pesticide Safety Education Program (2-day)
12:00pm - Soils: How better to celebrate Earth day than to learn about earth?!!
6:00pm - Growing with Extension: Gardening in SE Alaska (4 weeks)

Wednesday, April 7
12:00pm - In the Virtual Garden: Spice Up Your Garden (Herb Gardens)

Monday, April 12
8:00am - Certified Food Protection Manager Training & Exams

Wednesday, April 21
9:00am - Produce Safety Alliance Grower Training (2-day)
12:00pm - In the Virtual Garden: Pollinator Gardens
AgAlaska, Alaska Village Initiatives - Ronalda Angasan

Our core activities

AVI provides services to socially-disadvantage Alaska Native farmers, ranchers, and other agriculture producers.

We provide grant application training for Tribal Conservation District staff and tribal employees.

We assist in the development of business plans to our stakeholders for community gardens and rural agriculture businesses.
AgAlaska, Alaska Village Initiatives - Ronalda Angasan
AVI promotes a *vision of social equity and environmental well-being tied to food security in the Alaska Arctic region.*

AVI and the Knik Tribe are working towards developing a harsh climate, year-round, modular web-based monitored greenhouse. The project spans three years allowing for continued expansion and testing of hydroponics, raised beds, and vertical farming. The project serves as the potential foundation of transplanting the appropriate technology to remote Alaska villages as an advanced tool in the battle against food insecurity in Alaska’s villages.
Who are we?
15-member, State-wide Board
Executive Director
Volunteers

What do we do?
Connect | Inform | Advocate

Who do we work with and who can join?
EVERYONE!

Why do we matter to YOU?
AFPC works across Alaska and with other FPCs to co-create a stronger food system through events, projects, policy advocacy, and partnerships.
How can you get involved?

info@alaskafoodpolicycouncil.org
www.akfoodpolicycouncil.org

1. Newsletter subscription
2. Membership
3. Donate or Pick.Click.Give.
4. Join a committee
   a. Advocacy
   b. Food Waste
   c. Indigenous Foods
   d. Conference
   e. Communications
   f. Fundraising & Membership
5. Propose your own idea!
What will you do in the next week to decrease the greenhouse gas emissions associated with your diet?

ℹ️ Start presenting to display the poll results on this slide.
Thank you