



University  
of Idaho



TNC 



# Innovative Agriculture and Marketing Partnership

A Public, Private, Tribal Partnership building climate-smart markets and increasing the adoption of climate-smart practices in Idaho.



Project Leads:  
Sanford Eigenbrode &  
Erin Brooks

<https://iamp.uidaho.edu/>

KVRI Annual Meeting  
Jan 22, 2024

# USDA-NRCS National Funding Opportunity 2022

- \$3.1B investment by USDA
- Announced Feb. 2022
- Application deadline, May 2022
- 141 projects recommended for funding
- One of these: **IAMP**



United States Department of Agriculture

## Partnerships for Climate-Smart Commodities

*Building Markets and Investing in  
America's Climate-Smart Farmers,  
Ranchers & Forest Owners to  
Strengthen U.S. Rural and  
Agricultural Communities*



Fiscal Year (FY) 2022  
Partnerships for Climate-Smart  
Commodities  
National Funding Opportunity (NFO)  
Number: USDA-NRCS-COMM-22-  
NOFO0001139  
Assistance Listing No. 10.937

# The Project

- \$55 million funding
- Focused on 7 major Idaho commodities
- Incentivizing “Climate Smart” agricultural practices on a large scale
  - Identify practices, Recruit and support producers, Reach early adopters, new adopters, the underserved
- MMRV: Measurement, Modeling, Reporting, Validating
  - GHG emissions, Soil carbon, COMET-Farm model; System performance
- Develop and expand markets for CS commodities
- Improve sustainable production of Idaho’s major commodities



# Funded Partners



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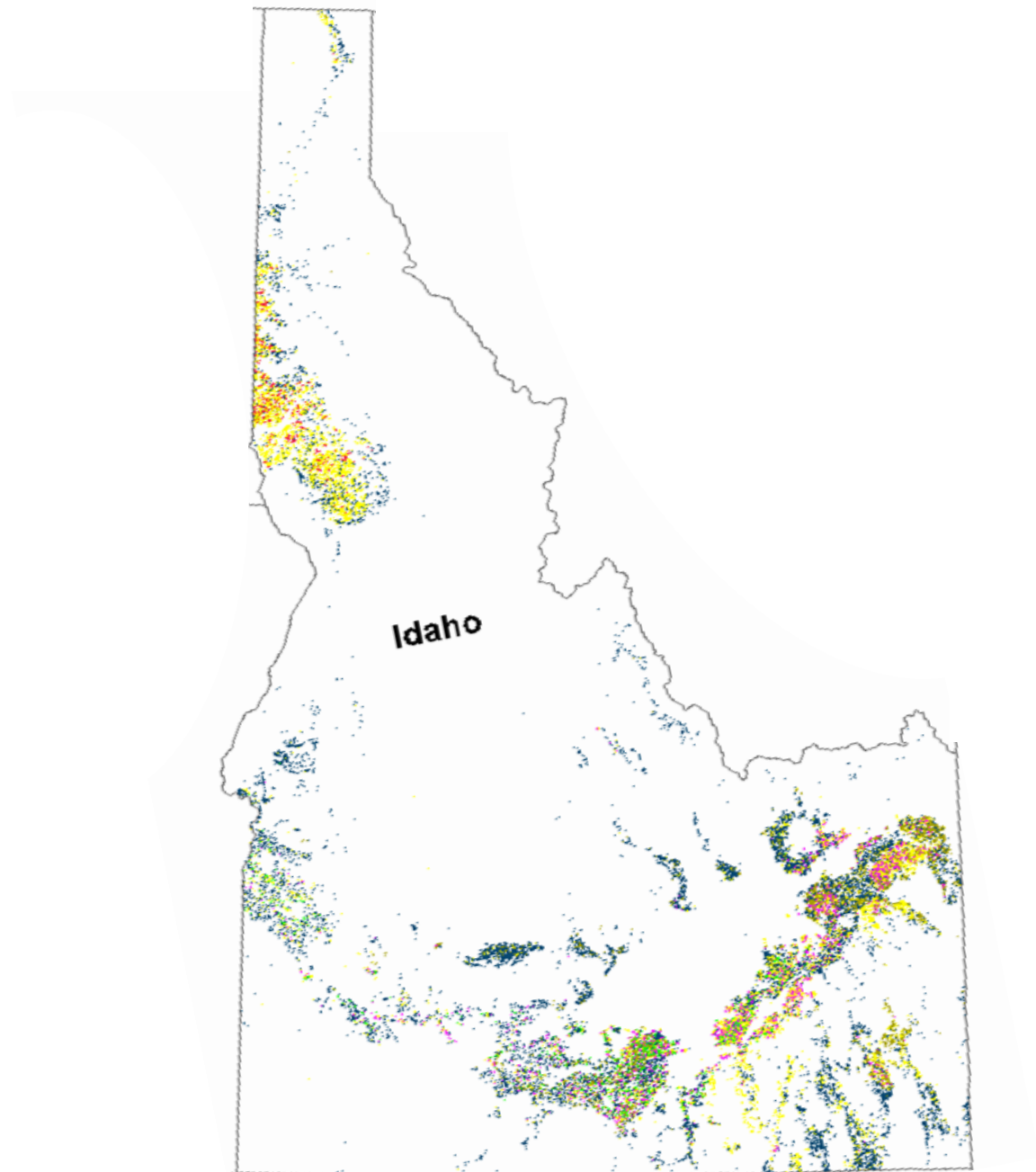
University of Idaho - Lead  
Idaho Association of Soil Conservation Districts  
Tribes (Coeur d'Alene, Nez Perce)

The Nature Conservancy, Agriculture Program, Boise  
Desert Mountain Grass fed Beef  
Arrowleaf Consulting



# The Commodities

- Barley ●
- Beef ●
- Chickpea ●
- Hops ●
- Potatoes ●
- Sugar Beets ●
- Wheat ●





# NRCS Practices to be Implemented

- Conservation crop rotation 328
  - Soil health rotation
  - Interseeding
- Cover crop 340
- Prescribed grazing 528
- Reduced-till 345
- No-till 329
- Nutrient Management 590
  - Precision fertilizer application
- Soil Carbon amendment 808
  - Biochar
  - Composted manure application

Working closely with Shawn Nield (State Soil Scientist), Travis Youngberg (State Agronomist), and Greg Becker/Ben Bonilla (State Resource Conservationist) on the development and implementation of these practices.



# Producer Contracts

- Incentives: \$50/acre/year/practice (average)
- Acres per farm: 400-1,000
- Farms: > 200
- Contracts
  - Common: developed and administered by funded partners
  - Payments: tied to implementation and reporting
  - Minimum contract: 3 years
  - Support multiple practices with stacking within years and combinations across years
  - Will require NRCS Idaho certification through a simplified process



Automatic GHG chamber  
measurements at 4 benchmark sites  
and 24 Tier 1 sites

Season soil carbon and nutrient  
measurements from the top 2 ft



G2508 Gas Concentration Analyzer

Measures N<sub>2</sub>O, CH<sub>4</sub>, CO<sub>2</sub>, NH<sub>3</sub>, and H<sub>2</sub>O

