# ESCOP Science & Technology Committee



Experiment Station Committee on Organization and Policy (ESCOP)

#### An overview of what we're working towards.









- initiatives.
- community.

**Promoting and enhancing science and** technology in the Land-Grant University system.

**Assists ESCOP to identify future directions and** anticipate and respond to research needs and opportunities for funding.

Assists in linking science and technology programs to multistate and national research

**Recommends how ESCOP will respond to** reports, recommendations, and planning documents from the national science

**Provides guidance to ESCOP strategic planning** and priority setting.

## Science Roadmap for Food & Agriculture

Update the National-Level Success Stories

Create consistent messaging on a state level by including local information

Incorporate hashtags into NIMSS to enhance connectivity and linkages to Grand Challenges GRAND CHALLENGES IN FOOD & AGRICULTURAL RESEARCH

Addressing Issues Through Our Land-grant Universities & Agricultural Experiment Stations



Experiment Station Committee on Organization and Policy (ESCOP)



#### ESCOP Priority #3; Chair Initiatives #3,7



### **ESCOP Grand Challenges Gaps & Needs**

#### Interdisciplinary systems-level research

**Evidence-based** guidance for policy and regulation

 $\rightarrow$ 



### **Strategies for** communicating information and sharing technology



## Enhance Collaboration Among Multi-State Committees

## **Incentivise** with **Financial Support**

**ESCOP Priority #4; Chair Initiatives #3** 

**ESCOP Priority #5;** Chair Initiatives #6



## **Climate Science as Top Priority**

## Climate Change

**Overlap Among Research Priorities** 

<u>GC1.) Sustainability,</u> <u>Competitiveness, &</u> <u>Profitability of Food & Ag</u>

Reduce carbon footprint (1,2,6) Conserve water (1,2,6) Non-chemical controls (1,6) Increase profitability (1,6) Improve energy efficiency Enhance productivity Improve soil health <u>GC2.) Adapting to &</u> <u>Mitigating the Impact of</u> <u>Climate Change</u>

Reduce greenhouse emissions (1,2,6) Improve carbon sequestration (1,2,6) Breed to tolerate water stress & extreme temperatures (1,2,6) Climate modeling & predictions (2,6) Develop decision-making tools (2,6) Improve climate education Guide policy & cooperation Enhance global cooperation



#### <u>GC6.) Environmental</u> <u>Stewardship &</u> <u>Sustainable Practices</u>

Reduce carbon footprint (1,2,6) Manage waste & runoff (1,2,6) Reduce use of chemicals (1,6) Assess value of ecosystem services (1,6) Improve data analysis & modeling tools (2,6) Reduce non-renewable inputs



## Evidence based guidance for policy and regulation.

BIOPRODUCTS FOR ENERGY **AND AVIATION** 

FOOD **SUPPLY CHAIN** 

**FOOD SECURITY** AND FOOD SAFETY

ESCOP Priority #3,5; Chair Initiatives #7

DATA AND **TECHNOLOGY** 



## Strategies for communicating information and sharing technology



ESCOP Priority #1, 5; Chair Initiatives #3, 4, 5, 6, 7

## COMMUNICATIONS & ADVOCACY TOOLKIT

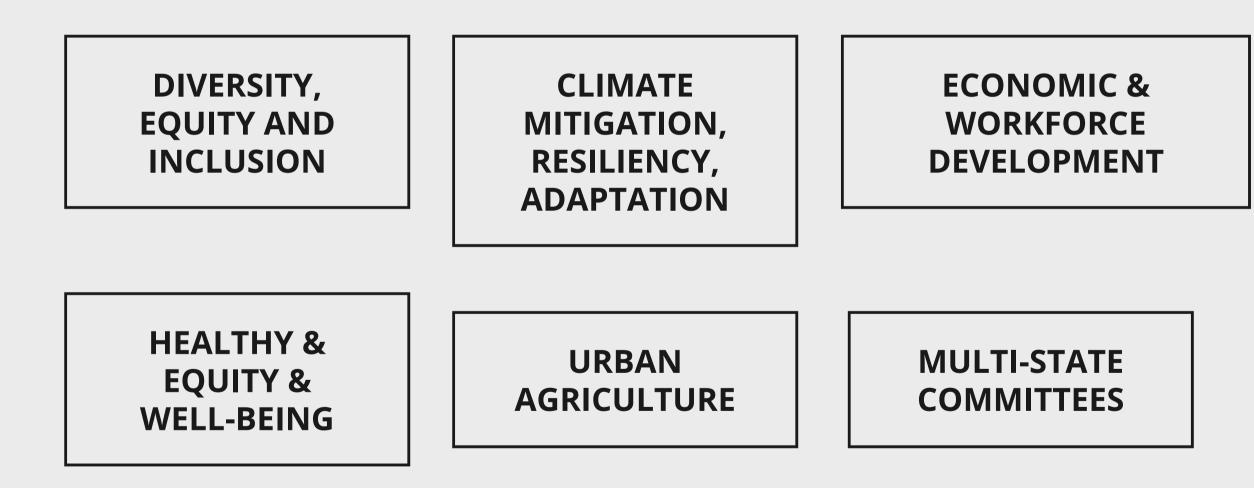
- Create an infographic & map of system's branch stations
- Incorporate updated Grand Challenges success stories
- Continue partnership with NIFA to support and advocate for experiment stations
- Bring in Caron Gala to help determine strategy



**Engage CMC and Andrea Putman** 



### **Partnership Opportunities** with ECOP & Extension



**ESCOP Priority #4;** Chair Initiatives #1, 3, 4, 5, 6, 7





### Include liaison from 1994's

## **Explore Opportunities with NRCS**

- Connections with producers
- Request a liaison

## Create an Excellence in Research Award

• One winner per region

ESCOP Priority #4; Chair Initiatives #1

ESCOP Priority #4; Chair Initiatives #1, 3, 5, 7

ESCOP Priority #4, 5; Chair Initiatives #4, 7





# Respond to Blue Ribbon Panel

**ESCOP Priority #5; Chair Initiatives #3, 4, 5, 7** 

**Fall Listening Session** 

Identify



## **Opportunities** upon Release of the Written Report

Be flexible and nimble to address emerging issues throughout the year.

> ESCOP Priority #5; Chair Initiatives #3



## Thank You



Experiment Station Committee on Organization and Policy (ESCOP)