Agricultural Experiment Station (AES) and Extension

Eugene (Gene) Kelly
Deputy Director of AES
Associate Dean for Extension
Issues of critical importance

Land Use
- Conservation
- Cultivation
- Grazing
- Urbanization
- Restoration

Drought
- Rainfall timing and amount
- Temperature
- Duration

Disease
- Livestock
- Plague
- Zika

Biological Invasions
- Species introductions

Colorado Ecosystems
Structure
Function

Regional Climate/Hydrology

Communities/
Ecosystem Services

Changes in
Biogeochemistry
Agile Agriculture is Necessary

• The next agricultural revolution focuses on sustainability and health

• Global diets and markets are driving agricultural change; populations rely on distant food sources

• CSU can be influencer at many levels since it is at that critical “edge” of Engagement with new partners
AES Leadership & Priorities

- Move Research Centers toward a model of sustainable research, demonstration and extension that:
  - Identifies the agronomic (soil, water, climate, etc.) limitations and opportunities of current Colorado AES stations and future direction toward local needs and priorities;
  - Help Colorado livestock and crop producers understand the best available science developed by CSU for profitable and sustainable food production.
Other important things

- Help develop mission statements, strategies, etc. that prioritize resources toward the best science that meet local needs while integrating campus expertise
- Strategize with station directors effective ways to link and coordinate research projects across stations
- Link with faculty in agricultural departments on matters related to research needs and resources
- I will communicate with local AES/extension advisory boards and other groups the mission of local AES/extension.
Extension and Engagement Leadership

- Facilitate integration of AES and Extension at the local level;
- Integrate campus-based extension specialists and other faculty into the new of the mission of the College and AES stations
- Travel periodically to stations around the state to assess progress, learn needs and communicate with stakeholders and clientele
Leading and Coalescing the CAS/CAES activities with broader University initiatives

- National Western Stock show activities
- Denver International Airport
- Urban food systems programs for Denver & front range “foodshed”
- Corridor of Opportunity programs with City of Denver
Research Center Structure
Deputy Director & Ass’t to Deputy Director

Climate Smart Agriculture

Plants/Grazing
- PI
- GRA (s)

Water
- PI
- GRA (s)

Crops
- PI
- GRA (s)

Biogeochemistry
- PI
- GRA (s)

Information Management
- CAS IT

Center Staff
- Manager/Admin
- Scientists
- Technical

Education/outreach
- Ext Staff
My Goal as Deputy Director

• Enable the Staff to be excellent in their respective roles

• Present new ideas, cultivate faculty ideas, encourage staff to excel and take risks.

• Protect the scientists from time consuming administrative duties and take responsibility for difficult decisions.

• Through strategic planning process develop a vision for the CAES Research Center System

• As deputy Director make it my primary goal to carry out this vision
Rebranding Exercise 2.0

- **Agricultural Experiment Station** →
  - Division of Agricultural Research (DAR)
  - Division of Agricultural and Natural Resources Research (DANRR)

- **Research Center** →
  - Research and Extension Center (REC)
  - Research and Engagement Center (REC)
  - Research and Education Center (REC)

Example: Western Colorado Research and Extension Center (WCREC)