

Program Teams help people **Network, Share** and **Learn**.

Program Teams: Dairy Production & Food Safety
Meat Production & Food Safety

Where to send your report. Send to Sherry Cooper/PSU who will pass on to the relevant SI leader.

Why such reports. We need **simple** ways to collect quick overviews of key things happening in each of the PTs. We can then better **communicate** and **advocate** for the breadth of activity happening across UC ANR.

The report is to be **simple** and **post-event**. Suggestions for a better report structure most welcome.

1. Meeting objectives

1. To **foster collaboration** amongst academics in dairy and livestock across the UC system.
2. To improve knowledge of and develop strategies to address needs related to **animal health, animal welfare, sustainable groundwater management, manure management and climate change** throughout California.

2. **Workgroups engaged:** Dairy Health & Production, Dairy Quality Assurance, Beef Safety & Quality Assurance, Livestock Production Systems

3. Primary meeting outcomes

1. Weekly presentations of current projects and future needs presented and opportunities for collaboration discussed. Topics included:
 - a. Animal Health
 - b. Animal Welfare
 - c. Sustainable Groundwater Management
 - d. Manure Management
 - e. Joint PT needs and collaborations
2. Fire is and will continue to be a hot button issue relative to animal health, land use, and feed production. Several opportunities for collaboration discussed. Wildfire survey distributed to list serv.
3. The unnecessary use of antibiotics in food animals continues to be a research and educational need.
4. Animal welfare issues continue to become ballot initiatives and we should watch legislative activity in CA and other states (OR, CO) to identify research & education needs.
5. Collaboration with water program teams is necessary to pursue solutions for sustainable groundwater use, irrigation efficiency and managed recharge on cropping systems associated with animal ag

6. Collaboration between these two PTs can continue informally, especially relative to cross-cutting needs like wildfire smoke impacts on animal health, water use, and greenhouse emissions.

4. Next steps

1. Karle compile and send notes to group
2. Follow up on resources shared by colleagues (linked in notes)
 - a. Distribute wildfire impacts survey from Maier
3. Pursue informal collaboration opportunities (i.e. Dairy Deliberations, monthly)
4. Use Livestock listserv for joint PT communication

5. How the PT activities fit with the larger SI picture (See table for reference).

We see the PT is consistent with these Initiative Themes

- [New problems with existing pests and diseases](#)
- [Integrated management](#)
- Sustainable production
- Safe processing
- Healthy rangelands, forests and working landscapes
- Fighting Fire – Resilient forests and fire-safe urban areas
- Protecting where we live. Healthy landscapes and urban forests
- Enhancing our water supply
- Safe & secure surface water
- Safe & sustainable groundwater

And fits with these Grand Challenges

- Sustainable Production: Labor scarcity; Dealing with regulatory requirements; Water - quantity and quality; Farm Prices; Climate change; Emerging pests
- Fire
- Land use policy
- Protecting water supplies - quality and quantity
- Climate change
- Conservation and enhancement strategies to bolster water resources and meet increasing agricultural, urban, and ecosystem water demands
- Sustainable farm, urban, and natural resource management practices to protect soil and water quality from salinity, sediment, pathogens, excess nutrients, trace elements, and other contaminants
- Quantifying the impacts of climate change on California's precious water resources and consequent impacts on agriculture, urban, and ecosystems, while seeking ways to make these sectors more resilient to climate related risks

6. **Optional: Do you have “Hot Button” items.** These items that might warrant a trending [Trending](#) article – help educate the broader public on key issues.
7. **What are 1-3 impact stories from PT group members that could be highlighted with Strat com?** Note the theme & contact(s)
 - a. Gene editing for polled cattle (SFS)- Alison van Eenennaam
 - b. Water recycling and management during drought (Water)- Helen Dahlke, Nick Clark, Khaled Bali
 - c. Net Zero Carbon for Dairy (SNE, SFS)- FFAR project- Deanne Meyer
 - d. Livestock and Fire (SNE, SFS)- Gaby Maier, Tracy Schohr, Jim Oltjen

SI	Initiative Themes		Grand Challenges
EIPD			
<input type="checkbox"/>	Keeping invasive pests and pathogens out of California	<input type="checkbox"/>	Emerging pests (e.g., Citrus Greening)
<input type="checkbox"/>	New problems with existing pests and diseases	<input type="checkbox"/>	The public understanding the role of science in safe and effective pest management (e.g., urban and household pesticide use relative to use on other systems)
<input type="checkbox"/>	Integrated management	<input type="checkbox"/>	Pursuing new technologies for existing pests (e.g., breeding for powdery mildew)
HFC			
<input type="checkbox"/>	Promoting healthy behaviors for childhood obesity prevention	<input type="checkbox"/>	Chronic disease and Food insecurity across the lifespan of all Californians
<input type="checkbox"/>	Encouraging and enhancing youth science literacy	<input type="checkbox"/>	Delivery of high-quality positive youth development in all communities
<input type="checkbox"/>	Promoting positive youth development	<input type="checkbox"/>	Rising social, economic and health inequality
<input type="checkbox"/>	Community Development	<input type="checkbox"/>	Access to science education and professional learning opportunities
SFS			
<input type="checkbox"/>	Sustainable production	<input type="checkbox"/>	Sustainable Production: Labor scarcity; Dealing with regulatory requirements; Water - quantity and quality; Farm Prices; Climate change; Emerging pests
<input type="checkbox"/>	Safe processing	<input type="checkbox"/>	Safe Food Processing: Food safety and preservation
<input type="checkbox"/>	Enhanced access	<input type="checkbox"/>	Enhanced Food Access: Food deserts and cost; Changing food preferences; Food access and security for aging seniors
SNE			
<input type="checkbox"/>	Healthy rangelands, forests and working landscapes	<input type="checkbox"/>	Fire
<input type="checkbox"/>	Fighting Fire – Resilient forests and fire-safe urban areas	<input type="checkbox"/>	Land use policy
<input type="checkbox"/>	Protecting where we live. Healthy landscapes and urban forests	<input type="checkbox"/>	Protecting water supplies - quality and quantity
<input type="checkbox"/>	Enhancing our water supply	<input type="checkbox"/>	Climate change

Water			
<input type="checkbox"/>	Safe & secure drinking water	<input type="checkbox"/>	Conservation and enhancement strategies to bolster water resources and meet increasing agricultural, urban, and ecosystem water demands
<input type="checkbox"/>	Safe & secure surface water		
<input type="checkbox"/>	Safe & sustainable groundwater	<input type="checkbox"/>	Sustainable farm, urban, and natural resource management practices to protect soil and water quality from salinity, sediment, pathogens, excess nutrients, trace elements, and other contaminants
<input type="checkbox"/>	Holistic water management	<input type="checkbox"/>	Quantifying the impacts of climate change on California's precious water resources and consequent impacts on agriculture, urban, and ecosystems, while seeking ways to make these sectors more resilient to climate related risks
<input type="checkbox"/>			