

Attachment 2: Executive Summary and Strategic Vision

UC ANR Strategic Vision

Executive Summary

The University of California and its Division of Agriculture and Natural Resources (UC ANR) represent a partnership of four world-renowned science and education communities on three UC campuses, a UC presence in all California counties, an unmatched system of research locations and expertise, recognized leadership in special program areas, and an internationally recognized community of Cooperative Extension professionals.

UC ANR professionals have a unique, proven, respected ability to bring together the resources needed to solve tough problems. UC ANR people, programs, and science-based solutions bridge conflicting interests by bringing new knowledge, targeted research, and local education to complex problems.

California of 2025 will face many complex challenges related to increases in global and domestic populations and changes in climate and land use patterns. To thrive and prosper, Californians must have solutions to a wide range of existing and new challenges.

- Increasing global and domestic populations will need sustainable, safe food.
- Competition for water and land resources among urban, environmental, and agricultural uses will intensify.
- The resilience of natural, managed, and human communities is threatened by climate changes and population growth.
- Natural ecosystems will be increasingly stressed, reducing biodiversity and the capacity to provide essential ecosystem services.
- The mixture of regional crops and animal products grown in California will change.
- The capacity to use nutrition to positively impact human health will be a reality
- California's youth will need new and enhanced opportunities for engagement.
- California will face less-secure and more-costly energy supplies.

California must address the challenges to the state to ensure a high quality of life, a healthy environment, and economic success for future generations. UC ANR's Strategic Vision is the first step in a strategic planning process to address the challenges we face and provide the scientific and technological breakthroughs California needs to compete in a global economy, ensure a safe, nutritious food supply, conserve natural resources, and keep Californians healthy. The following multidiscipline, integrated initiatives represent the best opportunities for ANR's considerable infrastructure and talent to seek new resources and new ways of partnering within and outside UC to find solutions for California.

- Improve Water Quality, Quantity, and Security
- Enhance Competitive, Sustainable Food Systems
- Increase Science Literacy in Natural Resources, Agriculture, and Nutrition
- Enhance Sustainable Natural Ecosystems
- Enhance the Health of Californians and California's Agricultural Economy
- Provide for Healthy Families and Communities
- Ensure Safe and Secure Food Supplies
- Manage Endemic and Invasive Pests and Diseases
- Improve Energy Security and Green Technologies

California is the most innovative, diversified, and efficient agricultural producer in the world. Our natural resources are unparalleled, with ancient redwoods, prime productive forestlands, and vast expanses of beautiful grasslands, deserts, and coastline. The state is home to a greater diversity of species than any state in the nation.

Attachment 2: Executive Summary and Strategic Vision (Cont.)

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UC ANR is at the heart of California's unique position as a world leader in agriculture and natural resource research and innovation because of UC's unparalleled scientific capacity. Given the future demands on resources, who other than ANR is better suited to meet the needs of a growing state, or for that matter, a growing world?