Americans are encouraged to eat more fruits and vegetables as part of a healthy, balanced diet.

However, sustainably meeting increased demand for these highly nutritious foods will be challenging for domestic production regions in the United States due to many factors.

Learn More

Co-Lead Contacts

Senthold Asseng
sasseng@ufl.edu
+1-352-392-1864;221

Dave Gustafson
dgustafson@ilsi.org
+1-314-409-7123

Project Website

www.ilsirf.org/what-we-do/nutrition/fruit-vegetable-supply-chains/
Enhancing the productivity, resilience and sustainability of domestic produce supply chains

Multi-Disciplinary Team

CROP MODELING

UF, WSU, and UIUC will determine current and future climate and water availability impacts on yield and quality of selected crops in current and potential future production.

ECONOMIC MODELING

IFPRI and WAEES will determine current and future prices and production costs of selected fruit and vegetable crops, with a focus on California, the Pacific Northwest and Southeast.

LIFE CYCLE ASSESSMENT MODELING

UARK will identify and evaluate cost-effective adaptation and mitigation opportunities.

STAKEHOLDERS & EXTENSION

ILSI RF, UF, and WSU will engage stakeholders and decision makers to ensure models reflect realistic practices and that outputs provide useful, actionable information.

About the Project

Using an integrated, collaborative approach, a multi-disciplinary, multi-institutional team co-led by the ILSI Research Foundation and the University of Florida, along with the International Food Policy Research Institute, University of Arkansas, University of Illinois, Washington State University, and World Agricultural Economic and Environmental Services will help the US maintain a nutritious, reliable, affordable, and environmentally-sound food supply.

8 Crops

Carrots, green beans, oranges, potatoes, spinach, strawberries, sweet corn, and tomatoes were selected based on importance to nutrition as well as data and model availability.