

Concepts of Sustainable Intensification for Urban Food Systems





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The U.S. Government's Global Hunger & Food Security Initiative

U.S. GOVERNMENT PARTNERS





Presentation Outline

- Overview of Feed the Future Program
- Overview of the Sustainable Intensification Innovation Lab
- What is Sustainable Intensification?
- How can concepts of Sustainable Intensification apply to Urban Food Systems?
- Conclusion





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Feed the Future Program

Sustainably Reduce Global Poverty & Hunger

INDICATORS:

Prevalence of poverty &
Prevalence of underweight & stunted children



OBJECTIVE

INCLUSIVE AGRICULTURE SECTOR GROWTH



OBJECTIVE

IMPROVED NUTRITIONAL STATUS
(WOMEN & CHILDREN)

- Brings together 11 U.S. agencies (with **USAID** as lead agency)
- Host country-led priorities
- Focused on smallholder farmers
- Includes research, capacity building and developmental activities

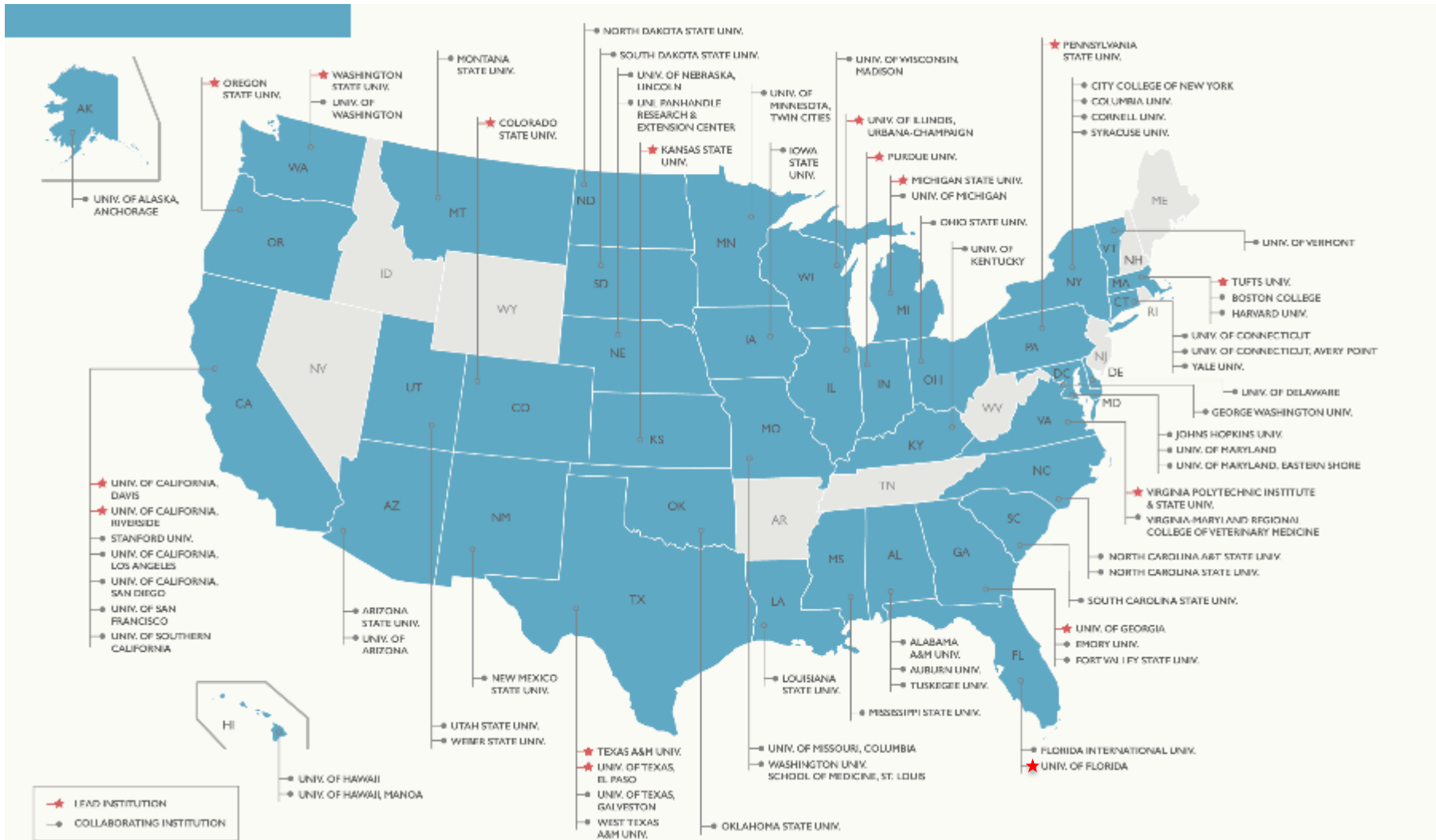




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Network of > 70 U.S. Universities working in collaboration with national and international partners on host-country research priorities





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SIIL: Vision

Vision of the SIIL is to become global leader in interdisciplinary research, knowledge sharing and capacity building on sustainable intensification producing measurable impacts on improving farm productivity, income and nutrition of smallholder farmers.





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SIIL: Focus Countries





SIIL: Objectives

- **Objective 1:** Use geospatial tools to identify needs, opportunities for intervention, scaling and to assess impact.
- **Objective 2:** Improve production and nutrition using integrated and environmentally sustainable interventions (technologies).
- **Objective 3:** Identify enabling conditions, social networks and support systems to enhance sustainable intensification.
- **Objective 4:** Develop holistic platforms for communication, knowledge sharing and capacity building of all stakeholders.

Our interventions are based on host country priorities.



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SIIL: Management Entity – Overview



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Three Pillars of Sustainability



Social



Environmental



Economic





Four Dimensions of Food Security



Availability

- Quantity
- Quality



Access

- Physical
- Economic



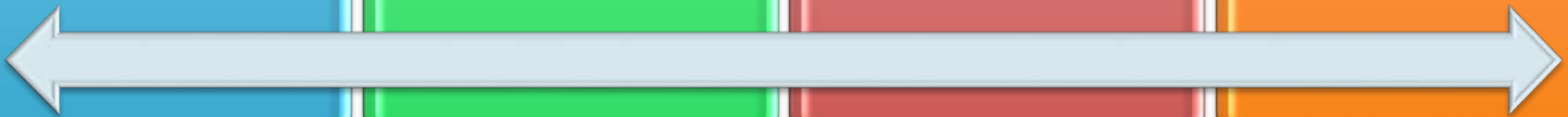
Stability

- Food security risk
- Incidence of shock



Utilization

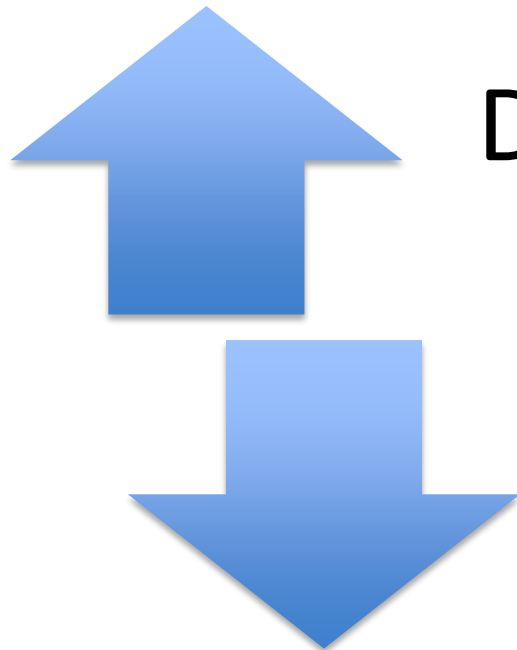
- Ability to utilize food
- Outcomes of poor food utilization





Sustainable Intensification

Sustainable agricultural **intensification** is **defined** as producing more output from the same area of land while reducing the negative environmental impacts and at the same time increasing contributions to natural capital and the flow of environmental services.



Doing More

With Less



How does this apply to Urban Food Systems?

- Small-holder farmers and urban/ peri-urban communities face similar constraints:
 - Limited Land
 - Limited Access
 - Limited Availability
 - Efficient utilization of resources
 - Environmental protection
 - Poor Nutrition





How does this apply to Urban Food Systems?

- Sustainable Intensification and Urban Food Systems support research and development to improve food security through:
 - Implementation of new technologies
 - Innovative approaches
- Sustainable Intensification and Urban Food Systems support education and training programs
 - Short-term training
 - Long-term training
- Sustainable Intensification supports capacity building
 - Youth Engagement
 - Women's Empowerment



Conclusion

- We can learn from each other!
- We face the same challenge to produce, process, and distribute foods that meet the needs of the local communities, markets and families.
- Systems of Sustainable Intensification are relevant to both urban non-farming populations and smallholder farmers, who grow food based on their specific interests, needs and/or markets.
- Sustainable Intensification's production system approach can enhance the environment, aid in recycling of waste, and create biodiversity, while also addressing the nutritional needs of families and promoting gender equality.





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Questions?





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www.feedthefuture.gov



USAID
FROM THE AMERICAN PEOPLE



Collaborative Research on Sustainable Intensification



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