



United States Department of Agriculture  
Research, Education, and Economics

# The Power of Open Data

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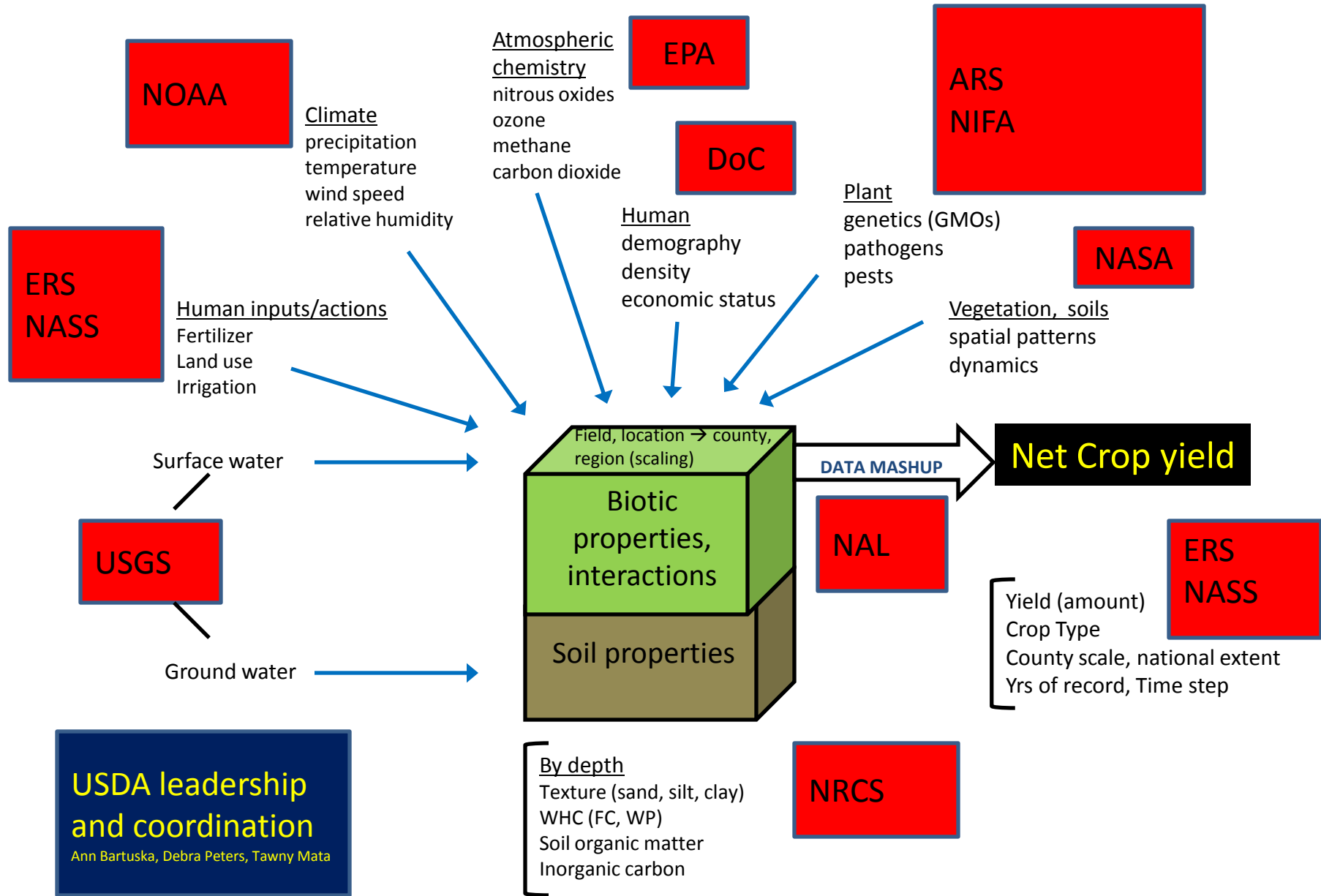




# Why is open data for agriculture and nutrition important?

- Open data has the power to revolutionize agriculture
- Open access provides better information for farmers and policy makers to use
  - Climate Hubs
- Open access provides for targeted, efficient research advancement
  - GRIN/GRIN-Global

# FOOD PRODUCTION VULNERABILITY TO CLIMATE CHANGE



# Conceptual Framework for a USDA Regional Hub

## Science and Technology providers:

Federal Partners

NOAA RISA  
USGS CSC  
DOE  
NASA  
etc

USDA Intramural  
Research  
(ARS/FS/ERS/NRCS)

USDA Extramural  
funded Research  
(NIFA)

Non-Federal Partners

Agricultural  
Experiment  
Stations  
  
Many others

Science  
Coordination,  
Synthesis, and  
Tools

Links with other Hubs & National Coordinator

## Technology Transfer providers:

Cooperative  
Extension

USDA Service  
Centers

Forest Service  
Threat Centers

Others

Information and tools

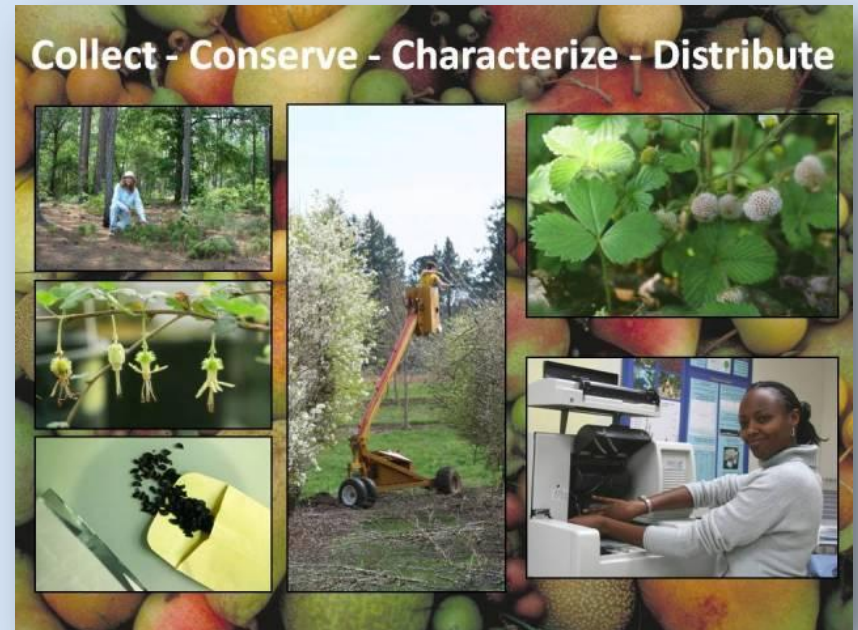
Questions and feedback

Stakeholders and Stakeholder group: Farmers / Ranchers /  
Forest Managers / Tribes / States / Feds / LCCs / Others



# The Germplasm Resource Information Network-Global Project (GRIN-Global)

- Information on thousands of samples
- Database on plant characteristics and traits
- Accessible globally
- Available in six languages





# U.S. Open Data Initiatives

- Established Data.gov for posting
- G8 Conference on Open Data for Agriculture
  - Commitments under the U.S. Open Data Action Plan
- Advocacy in the G20/Meeting of Agricultural Chief Scientists
- Launch of the Global Open Data for Agriculture and Nutrition (GODAN) Initiative



# Global Open Data for Agriculture and Nutrition (GODAN)

- Seeks to support global efforts to make agricultural and nutritional data available, and accessible for unrestricted use worldwide
- Brings together a wide variety of open data stakeholders to advocate at a high level for the adoption of default open data policies globally
- More info at <http://www.godan.info>





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**THANK YOU**

**QUESTIONS?**