

USDA Research

FOUNDATION FOR A GROWING FUTURE

MARCELLA WITTING ACTING DEPUTY DIRECTOR, OFFICE OF INTERNATIONAL RESEARCH PROGRAMS



USDA's principal intramural scientific research agency

2000 scientists & post docs 6,000 other employees

690 research projects in 17 National programs
\$1.2 billion annual budget







USDA United States Department of Agriculture Agricultural Research Service

Data for Research and Decision Making

- Creating tools that help operationalize data
 - USDA Branded Food Products Database
 - Soil and Water Assessment Tool (SWAT)
- Using technology to better understand our data
 - Program review using Natural Language Processing

Genomics analysis platforms

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Making Data Useful

- How do we define Big Data?
- Large data sets present unique challenges
- National Agricultural Library
 - Ag Data Commons



DKAN Open Data Platform