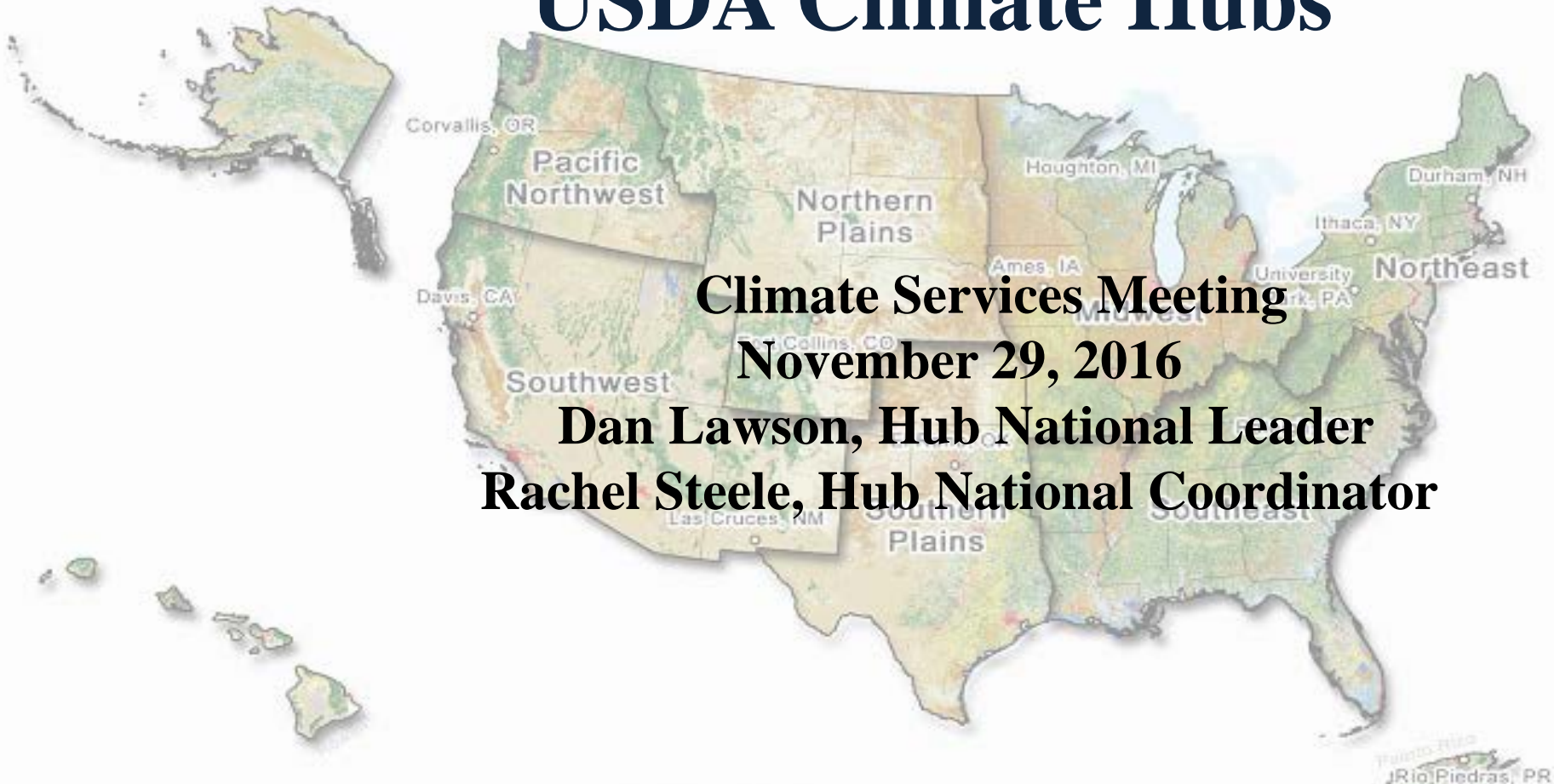




United States Department of Agriculture

Climate Hubs

USDA Climate Hubs



Climate Services Meeting

November 29, 2016

Dan Lawson, Hub National Leader

Rachel Steele, Hub National Coordinator

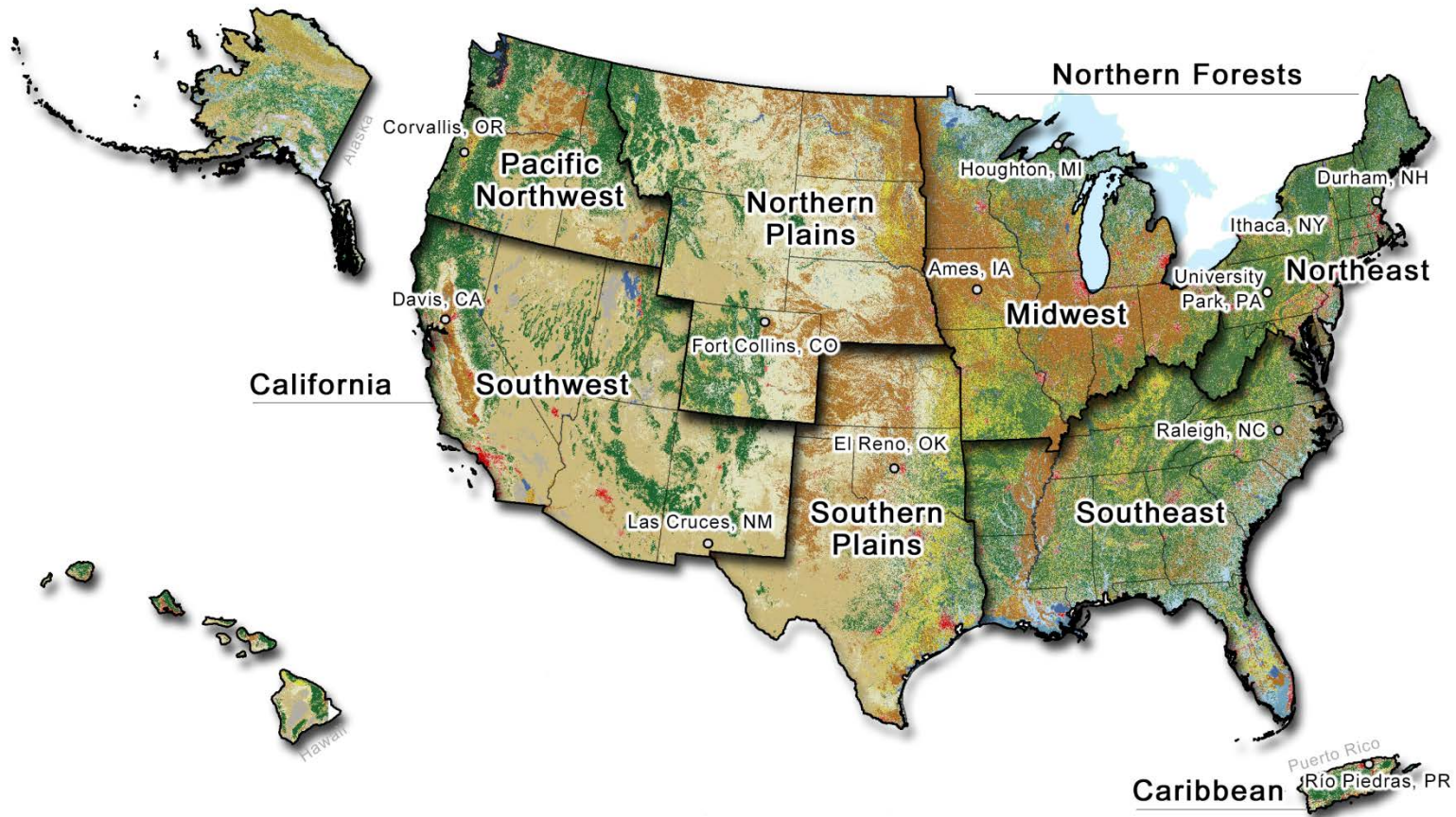
USDA's Regional Climate Hubs are providing information and tools to land managers to build resilience to climate variability.



United States Department of Agriculture

Climate Hubs

February 2014 – USDA announced 10 Regional Climate Hubs





Vision: Agricultural production and natural resources maintained and strengthened under increasing climate variability and environmental change

Mission:

Develop and deliver science-based, region-specific information and technologies to agricultural and natural resource managers; to enable climate-informed decision-making, with USDA partners (internal and external to USDA)



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Climate Hubs

Framework/Network for a USDA *Regional* Hub

Science and Technology providers:

Federal Partners

NOAA
DOI
DOE
NASA
EPA

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

USDA
Extramural
funded Research
(NIFA)

Non-Federal Partners

Agricultural
Experiment
Stations

Many others

Links with other Hubs & National
Coordinator

CLIMATE HUBS

Technology Transfer providers (Tech-Transfer Stakeholders):

Cooperative
Extension
& eXtension

USDA
Service
Centers

Forest Service
Threat Centers

State
Foresters

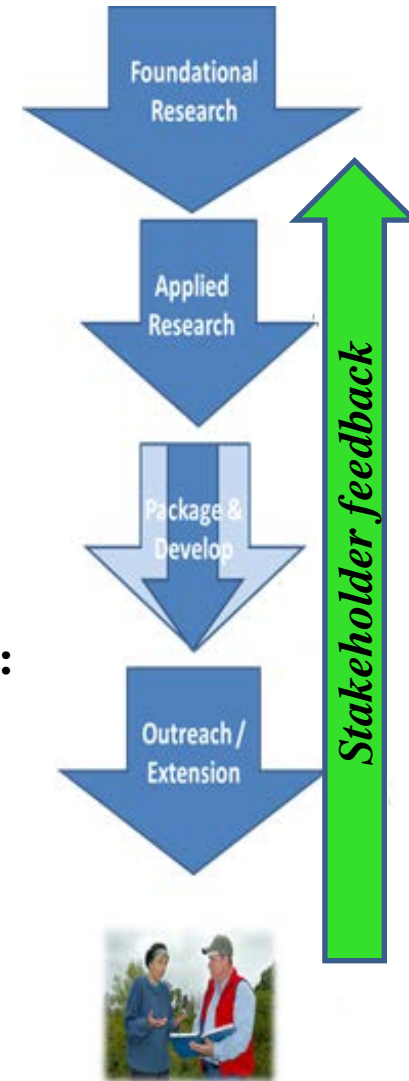
State
Climatologists

USDA
Program
Agencies

Land Management Stakeholders

Farmers / Ranchers / Forest Managers / Tribes / States / Feds / LCCs / Others

<http://www.usda.gov/climatehubs>





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Climate Hubs

Climate Services Efforts

- Existing climate services activities involving interagency coordination
 - Monthly calls with other Climate Networks in NOAA, DOI, EPA to share information and ensure communication among agencies.
 - Climate Resilience toolkit page population to help stakeholders navigate to meet their needs.
 - Find experts: <https://toolkit.climate.gov/help/partners>
 - Understand how we work together: <https://toolkit.climate.gov/content/federal-agency-coordination>
 - Regional Climate Services workshops and Contributions to Monthly Climate Outlook Monitor
 - E.g. Southern Plains Region hosting Climate Services workshops in 2017.
 - Monthly collaborations in the regions on the Climate Outlook Monitor (particularly in the Northern Plains, Midwest, and Northeast).



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Climate Hubs

Climate Services Efforts Cont.

- Existing climate services activities involving interagency coordination
 - NCA4 regional planning and coordination with DOI and NOAA.
 - Collaboration and close communication with the DEWS, RCCs, NWS, RCCs, NDMC, Office of the Chief Economist, DOI (CSCs, LCCs, BIA).



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Climate Hubs

Potential Future Coordination

- Continue to work closely with our climate network partners to carry out the National Drought Resilience Partnership goals.
- Continue to leverage our resources as a unit to build a responsive, agile network of climate services at the regional level.
- Work closely with NIDIS and the National Drought Mitigation Center to continue to expand the Drought Monitor to the USVI.
- Develop decision support tools and user tutorials of drought tools developed for agricultural producers.



Potential Future Coordination

- Recommendations for moving climate services forward
 - We need to be able to effectively tell our story. Updating our “case studies” for our two pager on the toolkit page to showcase how we are working together at the regional level.
 - Be responsive to our stakeholders to translate and “make sense” of the data and tools.
 - Consolidate, collaborate, communicate.