Synthesizing & sharing climate information

- Climate Change in Colorado Report:
  - Observed record of CO climate
  - Primer on climate modeling
  - Linking observed changes in CO to global changes
  - Projections of future climate and impacts on water resources
  - Incorporating climate information into vulnerability assessment and planning

https://www.colorado.edu/publications/reports/

What’s happening now in the Intermountain West?

- Intermountain West Climate Dashboard

Western Water Assessment

- Conducting innovative research in partnership with decision-makers in the Rocky Mountain West, helping them make the best use of science to manage for weather and climate impacts
  - Established in 1999 at University of Colorado
  - Serving Colorado, Utah, and Wyoming
  - 20+ researchers with expertise in hydrology, climate modeling, policy, and social sciences

Connecting Information with CO Communities

- Vulnerability Planning Workshops (aka VCAPS)
  - Participatory workshops in 5 communities
  - Centered on key hazard identified by community
  - Brief science talk focused on hazard
  - Community members are the experts:
    - Identify impacts
    - Share context
    - Brainstorm actions
  - Report and diagrams produced

Putting observations in historic context:

- What’s happened here before?
- NOAA Climate at a Glance Toolkit: http://www.ncdc.noaa.gov/cag/

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  - Western Water Assessment
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  - Western Water Assessment (WWW) is a collaboration between decision-makers and scientists in the Rocky Mountain West, helping them make the best use of science to manage for weather and climate impacts
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Considering climate change: *What do we expect in the future?*

US Climate Explorer:
http://toolkit.climate.gov/tools/climate-explorer

Thank you!

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