



# Oregon Climate Service Overview

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# Purpose of the Oregon Climate Services

- 1) Disseminate climatological information about the State of Oregon
- 2) Monitor the climate of Oregon and the region
- 3) Collaborate with state and federal agencies and public and private stakeholders in need of climate data and advisement
- 4) Conduct research improving understanding of the spatial and temporal variability of Oregon's climate
- 5) Provide timely outreach to media and communities on significant climate-related events and trends
- 6) Work closely with the Oregon Climate Change Research Institute (OCCRI) on adaptation, mitigation, and resiliency measures

# OCS mission

- The OCS mission is geared toward service, outreach, education, and research
- Service:
  - On the Oregon Water Supply Availability Committee and Drought Readiness Council
  - Oregon Climate Extremes Committee
  - Faculty Advisor for the OSU AMS Student Chapter
  - Chair of the Oregon Drought Monitor Advisory Committee
  - Mandated by the state, with OCCRI, to produce a biennial Oregon Climate Assessment
  - Contribute to the NOAA/NCEI State Climate Summary
  - Co-chair of a CLIVAR Working Group on Air-Sea Interactions and large-scale climate
- Outreach:
  - Media requests on climate-related questions
    - Droughts, floods, heat waves, cold snaps, and general information on climate and trends
  - Presentations to city councils, state legislature, soil and water conservation districts, agricultural groups, NWS, etc.
- Education
  - Provide educational opportunities (currently 3 graduate students and an undergraduate research assistant)
- Research
  - Funded projects with NASA, JPL, and NOAA on topics ranging from air-sea interactions, Pacific Northwest climate, atmospheric boundary layer dynamics, precipitation and wind variability, and satellite data records and instrument development



# Services...

- At present, the office continues to be entirely a service organization, receiving infrastructural support from the state of Oregon and Oregon State University
- Every effort is made to provide timely requests for, or assistance with, climate data with no fee; however, large requests and those that require data analysis will incur charges to help defray the associated direct costs
- Available to give presentations on various climate-related topics and current conditions depending on schedule
- Consulting work possible
- Email: [larry.oneill@oregonstate.edu](mailto:larry.oneill@oregonstate.edu)



# OCS personnel

- Since 2008, OCS only has less than 1-2 months of support for the work of the Director
- This year, OCS has received an increase in state support which will partially support more time for the director (me) and partial support for an assistant state climatologist

# Meet the director!

- I started as the interim OCS director in 2019 and moved to permanent status
- B.S. in Atmospheric Sciences from the Univ. of California at Davis
- Ph.D. in Physical Oceanography from Oregon State Univ.
- Joined the faculty of the College of