

Observations

The fate of water resources, agriculture and ecosystems in a Mediterranean climate are inextricably linked.

The best scale for climate analysis does not necessarily match the best scale for adaptation implementation.

This challenge demands an unprecedented level of regional collaboration.

Sonoma County is again poised for a critical leadership role by modeling local government capacity to meet the challenge.

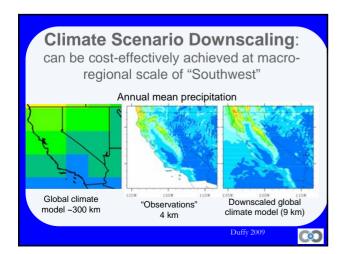


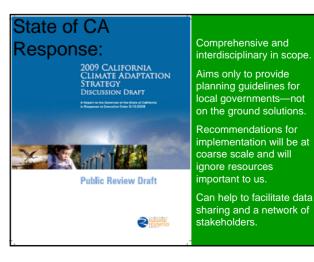
MEDITERRANEAN ECOSYSTEMS

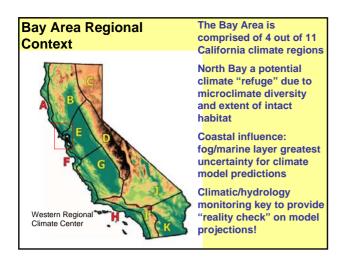
Cover only 2.2 percent of Earth's land surface, yet account for 20 percent of all known plant species. Only tropical rainforests have a greater density of plant species.

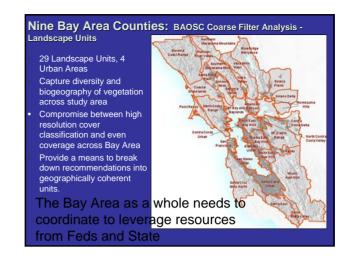


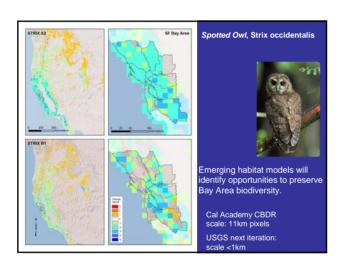
The Nature Conservancy considers these water-limited ecosystems to be at greater risk from climate change than rainforests.

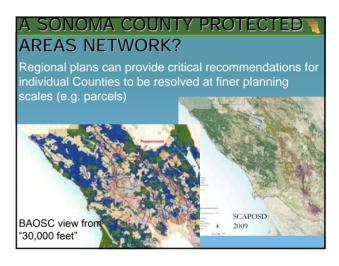


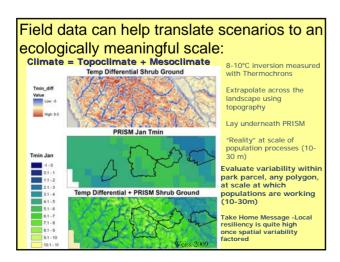


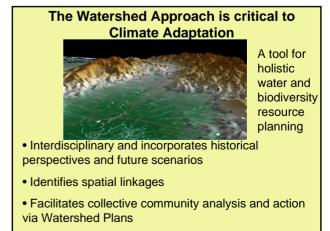




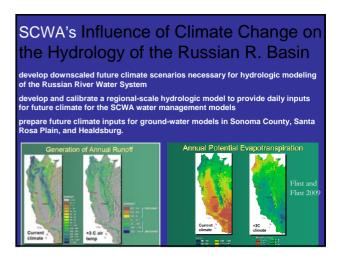


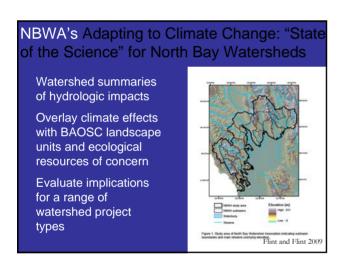


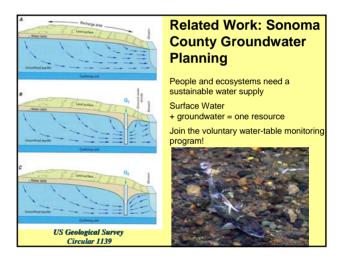




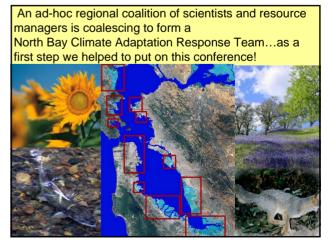












SOLUTIONS are in the hands of local citizens and governments

Given risks to water resources and biodiversity, continued efforts to *mitigate* (reduce) greenhouse gases are worth it!

Addressing risks requires a North Bay regional approach to analysis requiring collaboration across disciplines and scales.

Counties and Cities need to develop and implement adaptive measures: a point of coordination for key SoCo players: SCWA, SCAPOSD, PRMD, SCDTPW, cities, NGOs, and ??? to define an adaptation strategy?

We must monitor real-time climate change to effectively refine adaptation responses over time!





