



Seymour Center presents lecture on climate change and wine

SANTA CRUZ, CA—Lisa Sloan, UC Santa Cruz Professor of Earth and Planetary Sciences, and David Graves, co-founder and managing partner of Saintsbury Winery in Napa, will discuss climate change and its impact on wine making in a public lecture at the Seymour Center at 1 p.m. on Sunday, September 19. Sloan and Graves' talk "*Climate Change and Wine: Observations, impacts, and implications*," is part of the Science Sunday lecture series at the Seymour Center at Long Marine Laboratory. The event is free with paid admission or membership.

The controversy concerning climate change is more “sensational story” than reality. Even skeptics accept the climate is changing. Why, how fast, and what it could mean to us are questions professor Lisa Sloan is trying to answer. Using powerful modeling tools, Sloan and her colleagues have been examining marine and terrestrial geologic records of climatic and environmental change, and investigating the driving forces behind such changes. Recently, Sloan has developed a more detailed regional model that enables her to see different climate effects throughout California's diverse geography. Her research on the local and statewide impacts of climate change could effect how we manage everything from the water supply to coastal fisheries to the demand for power during the summer—to wine making.

Sloan continues to advance her research using David Graves' Napa Valley winery, *Saintsbury*, as a data collection site. Their collaboration has moved Graves into the forefront of wine makers taking the long view of winemaking—thinking about how climate change will change their grapes, their product, and their industry. As wine grapes are extraordinarily sensitive to temperature, the industry amounts to an early-warning system for problems that could affect all food crops. David, and his business partner, Dick Ward have always believed that innovation and a critical look at the vineyard, terroir, and winemaking is the best route to increasing quality. "Wine is tied to place more than almost any other form of agriculture, in the sense that the names of the place are on the bottle," says David.

In their Science Sunday talk, Lisa and David will talk about what drives climate change, what the models are indicating for the future of California's climate, and how these models are offering wine makers the opportunity to act now to ensure that their wines and their industry will adapt in an uncertain future.

Located in Santa Cruz on the bluffs overlooking Monterey Bay, the Seymour Center provides exciting and engaging ocean education programs for the visiting public and for students of all ages. It is dedicated to educating youth, families, and the general public about the role science plays in the understanding and conservation of the



world's oceans. The Seymour Center is open six days a week, year-round, and serves more than 60,000 people each year. The Seymour Center is celebrating its 10th anniversary on 10/10/10.

WHAT:	Science Sunday at the Seymour Center <i>Climate Change and Wine: Observations, impacts, and implications</i>
FEATURING:	Lisa Sloan, UC Santa Cruz Professor of Earth and Planetary Sciences and David Graves, co-founder and managing partner, Saintsbury Winery
WHEN:	Sunday, September 19, 2010 1:00 PM
WHERE:	Seymour Center at Long Marine Lab La Feliz Room End of Delaware Ave. Santa Cruz, CA 95060
ADMISSION:	Free with admission to the Seymour Center (\$6 Adults / \$4 Students or Seniors) Free for Seymour Center Members and UC Santa Cruz undergraduates
INFORMATION:	(831) 459-3800 or http://seymourcenter.ucsc.edu