



## *S3 Food Symposium*

*“Where S3 Meets the Sea”*

May 10, 11, 12, 2017

Westin Long Beach

333 East Ocean Blvd., Long Beach CA 90802

[www.westinlb.com](http://www.westinlb.com)

800-WESTIN1 or 562-436-3000

Group Block under “Food Symposium S3”

[www.CaliforniaFood.org](http://www.CaliforniaFood.org)

### Session Coordinator’s Minimum Submittal Requirements for Continuing Education Approval turn in by **February 28th**

The information below is required so that CAEHA can make a complete application for Continuing Education Contact Hours. CAEHA is an approved Accrediting Agency with CDPH to approve and offer REHS Continuing education contact hours.

Please list in one word document:

1. Title of session: Keynote Address: The Ocean’s Potential Contribution to a Safe, Secure, and Sustainable Global Food System
2. Length of session: Thursday, May 11, 2017 8:50am – 9:40am.
3. Educational objective: Dr. Schubel keynote will address the future of food and the relationship of our ocean’s health and our food supply. The session will outline how a healthy and sustainable ocean will help feed a population that is outgrowing the resources currently available to sustain it. Harvesting more protein from the ocean will also increase health outcomes for our populations.
4. Description of session: The world’s oceans cover 71% of Earth, but provide only 2% of the global food supply. The UN predicts 70% more food will be needed by 2050 to feed a population that may reach 10 billion. Present agricultural practices are not scalable. They utilize 50% of the ice-free land and 70% of available fresh water. Livestock account for a significant fraction of this. Another green revolution will alleviate some of the pressure, but not eliminate it. Shifting more of the animal protein production to the ocean is a key. It will enhance human health and environmental health. Most of the contribution will come from supplementing wild fisheries with

marine aquaculture. The long term solution to creating a Safe, Secure, and Sustainable Global Food System is developing an integrated program, of agriculture and marine aquaculture. California could develop the model.

5. Anticipated educational outcomes for session;
  1. To understand the potential of the world ocean to contribute to a safe, secure, and sustainable global food system, and what it will take to realize that potential.
  2. To understand the opportunity for the United States and, particularly California, to develop an integrated model of sustainable agriculture and sustainable marine aquaculture for export to other parts of the world. This may even rise to the level of a responsibility.

6. **Qualifications and resumes of speakers/presenters:**

Dr. Jerry R. Schubel has been president and CEO of the Aquarium of the Pacific since 2002. He is president and CEO Emeritus of the New England Aquarium, and from 1974-1994 was Dean of Stony Brook University's Marine Sciences Research Center. For three of those years he served as the University's provost and is Distinguished Service Professor emeritus. Prior to 1974, Dr. Schubel was an adjunct professor, research scientist and associate director of The Johns Hopkins University's Chesapeake Bay Institute. Dr. Schubel holds a Ph.D. in oceanography from Johns Hopkins University. He received an honorary doctorate from the Massachusetts Maritime Academy in 1998. He has worked throughout his professional life at the interfaces of science-management-policy on issues dealing with the ocean with an emphasis on the coastal ocean. Dr. Schubel has published more than 225 scientific papers and has written extensively for general audiences. He is a member of the California Ocean Science Trust Board, and the Science Advisory Team for California's Ocean Protection Council. He chaired the NOAA Science Advisory Board; National Sea Grant Review Panel; the National Research Council ("NRC") Marine Board; the NRC Committee on the St. Lawrence Seaway, Phase I and Phase II, the Ocean Research and Resources Advisory Panel, and the NRC Committee on the Value and Sustainability of Biological Field Stations, Marine Laboratories and Nature Reserves in 21st Century. He is a former member of EPA's Science Advisory Board, the Census of Marine Life U.S. National Committee and the National Science Foundation's Education and Human Resources Advisory Committee. At the Aquarium of the Pacific, he created the Aquatic Forum that brings together scientists, policy-makers and stakeholders to explore alternative ways of dealing with important, complex, and often controversial environmental issues facing the nation. He also directs the Aquarium's Marine Conservation Research Institute and the Aquarium's Aquatic Academy programs. He has been interviewed by hundreds of media outlets on a variety of environmental and scientific topics for international, national and local stories.



7.

We will be providing a screen, laptop with powerpoint, lazerpointer, microphone and a wireless mic for question and answers. Please let [Sheryl@ccdeh.com](mailto:Sheryl@ccdeh.com) know your AV requirements if you need anything else for your presentation before April 30, 2016.

Your bio and photo will be posted to the website [www.californiafood.org](http://www.californiafood.org)  
Please submit the information by **February 28th** so we can process approval for continuing education: Please create a profile at [www.CaliforniaFood.org](http://www.CaliforniaFood.org) and post your bio directly or email to the following contacts and they can post it for you:

Sheryl Baldwin, Manager of CCDEH [sheryl@ccdeh.com](mailto:sheryl@ccdeh.com) 530-676-0715  
Michele Cowdery, Office Assistant, [michele@ccdeh.com](mailto:michele@ccdeh.com) 530-676-0715