

Gulf of the Farallones National Marine Sanctuary

Climate Solutions Initiative and Ocean Climate Summit

**for the San Francisco Bay Area's
Coast and Ocean**



Research • Education • Conservation • Stewardship





First Steps

On September 27, 2007 a planning effort was convened to engage key community leaders in the development of the Climate Solutions Initiative and the Ocean Climate Summit.



NATIONAL MARINE
SANCTUARIES

Research • Education • Conservation • Stewardship



Initiative Mission Statement

To address climate change impacts within the San Francisco Bay Area's coast and ocean environment through fostering awareness, advocating solutions, and promoting action amongst government agencies, public organizations, private corporations, and individuals in order to build ecosystem resilience and sustainability.



NATIONAL MARINE
SANCTUARIES

Research • Education • Conservation • Stewardship



Initiative Goal

To provide real global climate change solutions for the San Francisco Bay Area's coast and ocean on a local, state, and federal level through partnerships, research collaborations, outreach and education, and policy reform.



NATIONAL MARINE
SANCTUARIES

Research • Education • Conservation • Stewardship



Initiative Objectives

- Identify and address the affects of climate change on the Bay Area's coast and ocean and recognize the region as an indicator for ecosystem health.
- Act as a climate change communication center for the Bay Area.
- Begin managing local marine ecosystems for resiliency.
- Advise the Marine Sanctuary on how to rehabilitate their facilities and procedures to become a model of sustainability for the community.
- Promote inter and intra-agency partnerships as well as partnerships with non-profit organizations and businesses within the Bay Area.



NATIONAL MARINE
SANCTUARIES

Research • Education • Conservation • Stewardship



Initiative Structure

- Work in collaboration with a San Francisco Regional interagency committee
- HQ for the Solutions Initiative will be located at the GFNMS campus on West Crissy Field, in the Golden Gate National Recreation Area's Presidio of San Francisco.
- Sanctuary Advisory Council Working Groups will be formed to address climate solution strategies.



NATIONAL MARINE
SANCTUARIES

Research • Education • Conservation • Stewardship



Initiative Outcomes

- The Climate Solutions Initiative will result in a hub for information exchange; partnerships; research and education program collaborations; and real community solutions to this global challenge.
- The Solutions Initiative is a local effort that ultimately strives to serve as a model that can be applied on a National level.



NATIONAL MARINE
SANCTUARIES

Research • Education • Conservation • Stewardship



First Biennial Ocean Climate Summit

- April 29, 2008, 9:00am-4:30pm
- Golden Gate Club, The Presidio of San Francisco
- Approximately 100 participants with morning panel sessions and afternoon breakout groups



NATIONAL MARINE
SANCTUARIES

Research • Education • Conservation • Stewardship



Summit Goals

- 1) Promote partnerships to address climate change in the Bay Area coast and ocean environment; and
- 2) Develop strategies for an Action Plan to establish the “Climate Solutions Initiative” for the Bay Area marine environment.



NATIONAL MARINE
SANCTUARIES

Research • Education • Conservation • Stewardship



Summit Objectives

- Take a leadership role on marine issues, partnering with the SF Joint Policy Committee to address climate change;
- Describe the key climate change factors affecting the SF Bay Area's coast and ocean;
- Identify research, outreach, and policy strategies to address the carbon footprint affecting this region's coast and ocean;



NATIONAL MARINE
SANCTUARIES

Research • Education • Conservation • Stewardship



Summit Objectives cont.

- Determine how existing climate change programs can collaborate;
- Identify the important critical marine habitats within the region that must be managed for resiliency and sustainability; and
- Promote partnerships amongst agencies, non-profit organizations, private businesses, and stakeholders.



NATIONAL MARINE
SANCTUARIES

Research • Education • Conservation • Stewardship



Summit Schedule

9:00 **Welcoming Remarks-** Director, NOAA's Office of National Marine Sanctuaries

9:15 **Ocean Impacts, Ecosystem Response, and Human Adaptation**

- Dr. William Sydeman, President and Senior Scientist, Farallon Institute
- Dr. Franklin Schwing, Director, Environmental Research Division, SW Fisheries Science Center

10:15 Break

10:30 **Perceptions, Behaviors, and Economics within a Changing Ocean Environment**

- Cathy Zoi, CEO, Alliance for Climate Change Protection
- Dr. Judith Kildrow, Director, National Ocean Economics Program, MBARI



NATIONAL MARINE
SANCTUARIES

Research • Education • Conservation • Stewardship



Summit Schedule cont.

11:30 Regional Policy Actions

- Ted Droettboom, Regional Planning Program Director, San Francisco Joint Policy Committee
- Andrew Altevogt, Climate Change Advisor, Office of the Secretary, California Environmental Protection Agency

12:30 Lunchtime Keynote

Dr. Susanne Moser, Research Scientist, Institute for the Study of Society and Environment at the National Center for Atmospheric Research, and editor of the book, "Creating a Climate for Change"



NATIONAL MARINE
SANCTUARIES

Research • Education • Conservation • Stewardship



Summit Schedule cont.

1:30 Breakout Sessions

- Objectives:
 - To develop new and strengthen existing partnerships on climate change for science, policy, and education; and
 - To develop strategies to address climate change issues and change behavior within the SF Bay Area's coast and ocean environment.

3:00 Break

3:15 Funding Local Solutions to a Global Issue

- Case studies on solution-oriented climate change programs funded locally.

4:15 Wrap-up

- Final comments and questions.
- Where do we go from here?



NATIONAL MARINE
SANCTUARIES

Research • Education • Conservation • Stewardship



Desired Summit Outcomes

- Information exchange and networking on current climate change science and policy actions.
- Action Plan that compliments the SF Joint Policy Committee activities, addresses climate change issues, and advocates solutions for the Bay Area coast and ocean environment.
- NMSP Handbook on developing a process to address climate change for place-based managers



NATIONAL MARINE
SANCTUARIES

Research • Education • Conservation • Stewardship



Questions?



NATIONAL MARINE
SANCTUARIES

Research • Education • Conservation • Stewardship