

A horizontal banner with a blue gradient background. On the left, the word "SLOSEA" is written in large, white, serif capital letters. Below it, in smaller white italicized text, is "San Luis Obispo Science and Ecosystem Alliance". The right side of the banner features a photograph of a rugged coastline with cliffs and waves.

# SLOSEA

*San Luis Obispo Science and Ecosystem Alliance*

## **How are Ecosystem-Based Management (EBM) and Marine Protected Areas (MPAs) Similar?**

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The SLOSEA logo, featuring the word "SLOSEA" in a bold, black, sans-serif font. Below the text is a stylized blue wave graphic.

# SLOSEA

*San Luis Obispo Science and Ecosystem Alliance*

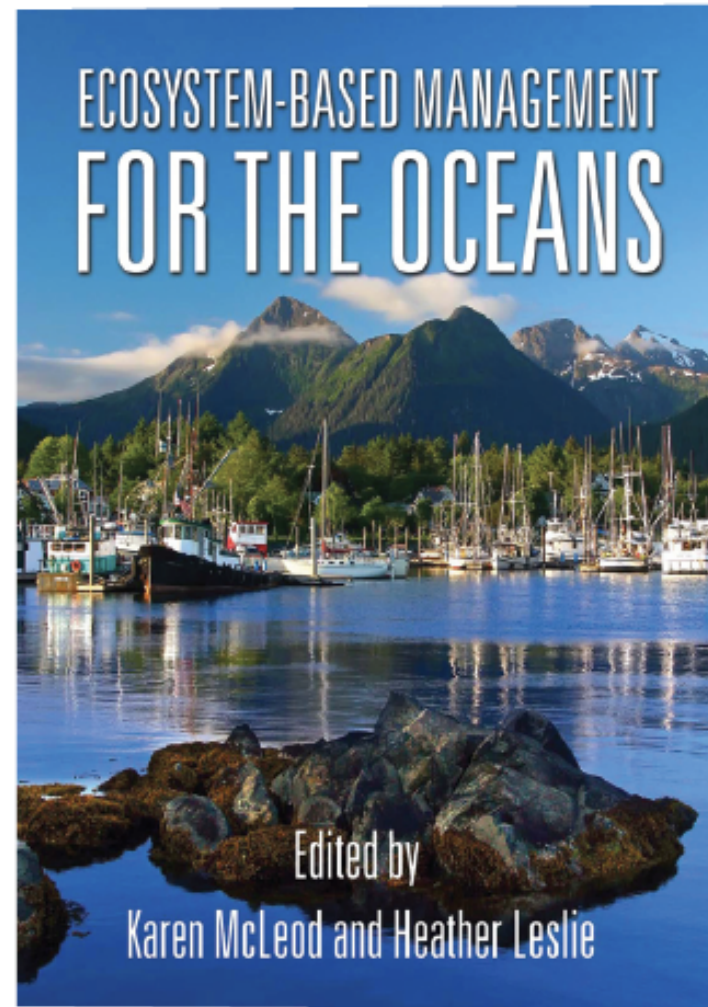
MPA Outreach and Education | 31 October 2009

The Cal Poly logo, featuring the words "CAL POLY" in a green, serif font. Below it, in a smaller green font, is "Center for Coastal Marine Sciences".

# CAL POLY

Center for Coastal Marine Sciences

## Joint Oceans Commission Featured SLOSEA New Book on EBM for the Oceans





EBM is process and approach to management of marine resources

MPAs are a tool for regulating a specific activities



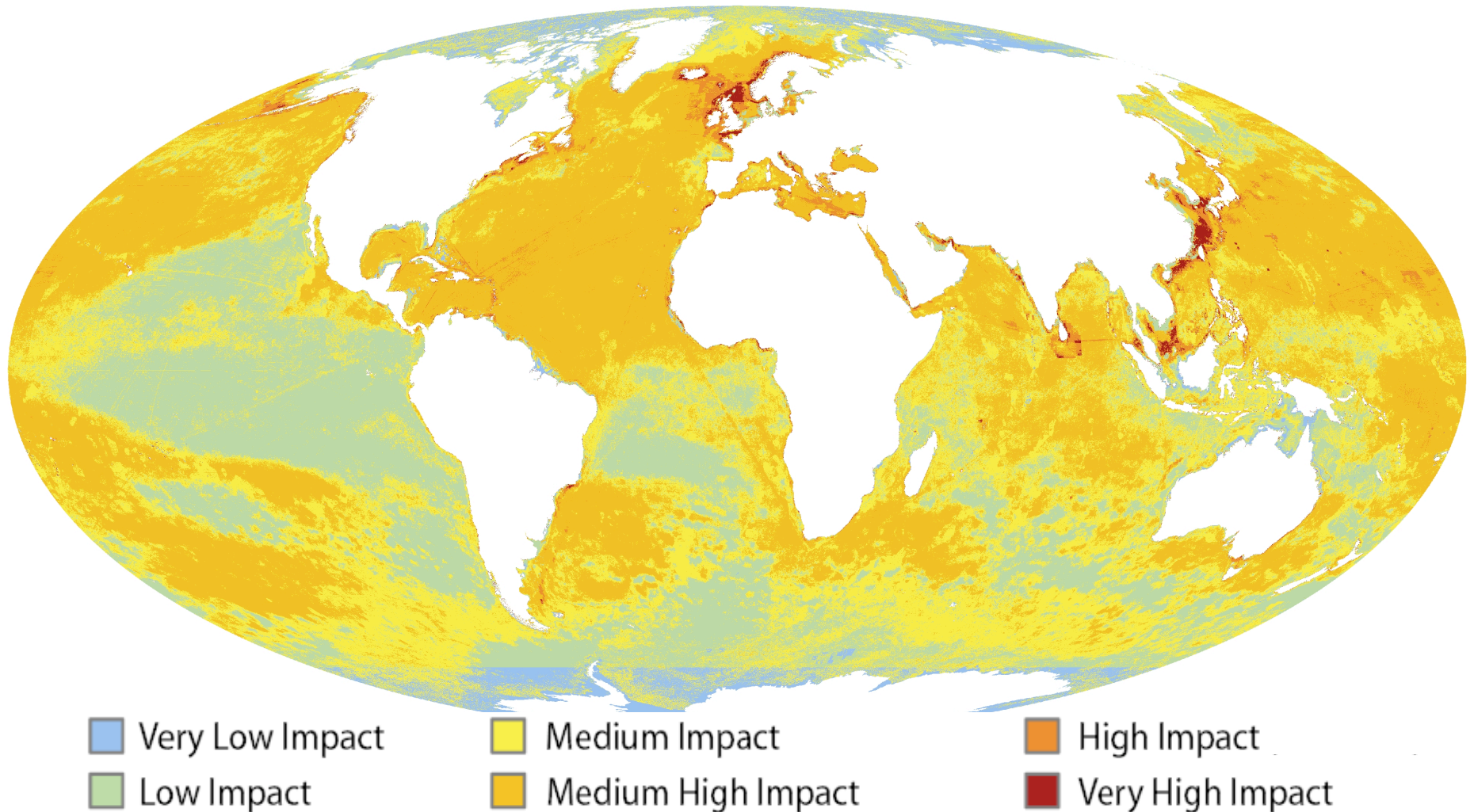


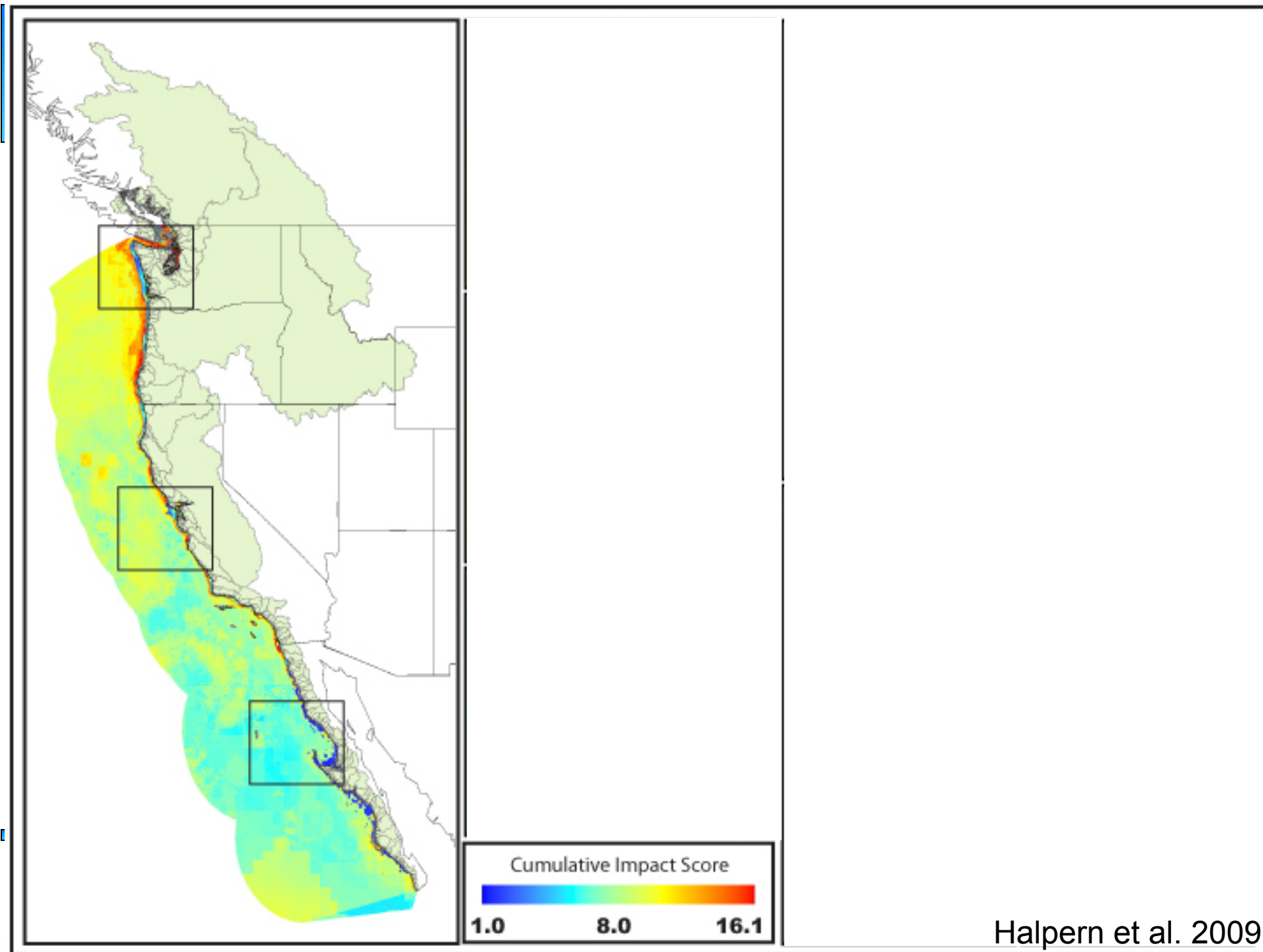
# Key Elements of Ecosystem-Based Management

- Consider Social and Ecological Interactions and Dynamics
- Conserve, Protect and Restore Ecosystem Services
- Integrate Jurisdictions
- Place-Based
- Involve Stakeholders in Governance
- Research, Monitor, Adaptively Manage
- Manage Using Precautionary Principle
- Consider Tradeoffs and Cumulative Impacts



# Global Cumulative Impact Scores





Halpern et al. 2009



EBM is an approach to management of marine resources and

MPAs are a tool that work to achieve management goals under specific circumstances

