Contributed Paper Panel:

Big Picture Planning in Long Island Sound and Beyond
“How inappropriate to call this planet Earth, when it is quite clearly Ocean”
-- Arthur C. Clarke
A Global Map of Human Impacts to Marine Ecosystems

http://www.nceas.ucsb.edu/globalmarine
Ocean Ecosystems

Value of marine ecosystems estimated at $21 trillion/year (Costanza et al. 1999)
BP Oil Spill Settlement: $20.8 Billion Assessed by US Justice Department
Found that...the Long Island Sound watershed generates between $17 and $37 billion in ecosystem goods and services every year and supports more than 190,000 jobs, bringing in over $12 billion in wages.

...And that over a one hundred year period, the asset value of this natural capital is estimated to range between $690 billion and $1.3 trillion, at a discount rate of 4 percent.
Long Island Sound
a problem of fit
Marine Use Conflicts

- Not all uses are compatible
- Not all uses are compatible with the environment
US Efforts

President Obama signs Executive Order adopting Final Recommendations Of The Interagency Ocean Policy Task Force July 19, 2010:

#2. Implement comprehensive, integrated, ecosystem-based coastal and marine spatial planning and management in the United States.
Big Picture Planning in Long Island Sound and Beyond

The voice of local authorities in coastal and marine spatial planning in the northeast: a legal assessment of prospects and problems; John Duff, Professor, School for the Environment, University of Massachusetts, Hannah Dean, University of Massachusetts, Boston

Marine Spatial Planning and Long Island Sound: Challenges and Opportunities for Potential Cooperation between Connecticut and New York; Nathaniel Trumbull, Professor, University of Connecticut, Department of Geography, Syma Ebbin, UConn Department of Agricultural and Resource Economics & Connecticut Sea Grant