

GLOUCESTER MARITIME SUMMIT

November 15 - 16, 2011

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SUMMIT INTRODUCTION

- EDA's support and economic development frameworks
- Ocean and port industry potential
- Blue Economy concepts and opportunities
- Gloucester's space
- Questions for Summit

EDA VISIT & GRANT

- May 2-4, 2011 EDA site visit to Gloucester
- Team saw potential for maritime industry / innovation cluster to expand
- Existing assets in “full service” port, innovative businesses and initiatives
- National importance of ocean economy
- Grant awarded to develop a vision & strategy

CLUSTER DEVELOPMENT

- Concept from Harvard Business School -- Michael Porter
- Widely adopted by communities, sectors
- Synergy of universities, businesses, nongovernmental organizations, public
- High-productivity and new businesses
- Must have vision and strategies for public and private investments, networking

BUSINESS PLANNING

- Businesses, government, NGO “future scenario development and backcasting”
- Think Big
- Think Long
- Think Together
-or, Dead in the Water
- Also true for Port of Gloucester -- avoid drift

MARITIME PROSPECTS

- Rethink our relationships to oceans, ports, coastline, land
- Oceans have been called “the pantry and the toilet” for exploitation and indifference
- Relatively untapped and misunderstood
- Therein lies the opportunity to shape and create the Port Economy of the Future

EXTRACTIVE INDUSTRIES

- Fishing
- Aquaculture
- Marine species and biotech
- Mining, oil and gas
- Wind and wave energy
- Transportation, shipping
- Economy offshore, boats, shoreside, R&D

RESTORATIVE INDUSTRIES

- Oceans integral to planetary thresholds
(Rockstrom et al, Resilience Institute)
- Climate change, acidification, nutrient cycles, toxicity, biodiversity, water cycles
- Science to understand and to restore function
- Economic activity offshore, coastal restoration, boats, laboratories, modeling, etc.

BLUE ECONOMY CONCEPTS

- Gunter Pauli, other economists, scientists, practitioners in variety of sectors
- No waste -- “closed-loop” use of resources
- Maximize resource value, minimize “externalities”
- As in, a brewery -- beer, mushrooms, bread, sausages, biofuels, water

BLUE ECONOMY (2)

- Work with and mimic nature
- Harness natural systems -- wetlands, ocean currents, wind
- Biomimicry (Janine Benyus) -- glue, airplane wings, green chemistry, materials science
- Complexity and networks -- multiple benefits, synergies, systems thinking

BLUE ECONOMY (3)

- Local economy
- Shift from globalized, “high-efficiency” commodification
- Back to local employment resting on no waste systems, circulating money

GLOUCESTER'S SPACE

- Commitment to fishing industry
- Foundation in diversity and creativity -- people and jobs, innovative edge
- History in the intersection of science and practice (the strength of engineering)
- Sustainability and stewardship ethic

HISTORY AND PRESENT

- Neptune's Harvest -- no waste, organic, science discovery (U/Mass) to business
- Fresh Catch -- new industry model of local/healthy food, higher revenues to fishermen
- Pelagics Lab -- ocean science, collaboration with fishing boats

HISTORY AND PRESENT

- Oceans Alliance -- ocean research and advocacy, toxicity, biodiversity
- Green Boatbuilding -- boat design, energy
- Others in past -- Gloucester schooner, Birdseye freezing, lobster trap, gear and product types
- Other creative economy -- art, sculpture, literature, photography, music are intertwined with fishing, working waterfront, science

THANKS FOR HELP!

- How can we think about oceans and ports in new ways, that open economic opportunities and contribute to sustainable solutions?
- What is Gloucester's "niche" in this new world of opportunity and challenge, that capitalizes on strengths and preserves our quality of life?
- What must be our strategy -- of networks and investments -- to make this vision a reality?