World Ocean Council
Smart Oceans/Smart Industries Program

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World Ocean Council

*International, Cross-Sectoral Business Leadership Alliance*

A healthy and productive global ocean and its sustainable use, development and stewardship by a responsible ocean business community

- Bringing ocean industries together
- Catalyzing leadership and collaboration in addressing ocean sustainability
World Ocean Council

- Creating business value for responsible companies
- Access and social license for responsible ocean use
- Synergies and economies of scale addressing issues
- Stability and predictability in ocean operations
Ocean Business Community

- Direct Ocean Users
- Ocean User Support Industries
- Ocean Use Infrastructure Providers
WOC Programs & Strategies

• Coordinate proactive industry input key ocean policy processes

• Develop informed, coordinated, proactive industry input to marine spatial planning

• Catalyze collaboration on science-based solutions to shared issues

• Create cross-sectoral ocean industry councils in key regions

• Improve ocean understanding through industry involvement in ocean science, observations, data sharing
WOC Smart Oceans / Smart Industries Program Goals

Expand
- Number of vessels and platform collecting
- Standardized ocean, weather and climate data

Coordination
- Improve data sharing
- Make input more efficient to national/intnl systems

Opportunity
- Build on “ships of opportunity”
Smart Oceans/Smart Industries

- Platforms
- Information
- Status/Trends
- Understanding
Platforms

How can we make use of the variety of industry vessels and platforms at sea?
Platforms

Fisheries

Aquaculture

Ferries

Wave/tidal energy

Offshore wind energy
Opportunities of Ships

Number of ships - by total and trade

Bulk Carriers: 8,687
Container ships: 4,831
Tankers: 13,175
Passenger ships: 6,597

TOTAL: 50,054

Figures in brackets are numbers of ships, by sector. Source: IHS Fairplay October 2010
Opportunities of Platforms

Number of oil/gas wells and rigs:

- Wells drilled in Gulf of Mexico: ~ 40,000
- Deepwater wells drilled internationally: ~ 14000
- Number of rigs internationally: ~ 8,000
- US rigs/platforms: ~ 3,500; including 79 deepwater wells
Information

How do we provide routine, sustained, standardized information on the ocean and atmosphere?
Status and Trends

What is the best way to contribute to describing the status, trends and associated variability?
Understand

Can we improve the understanding, modeling and forecasting of ocean ecosystems and related resources, weather, climate and climate change?
Smart Oceans/Smart Industries

- Comprehensive
- Scaleable
- Entry Options
- Cost-Efficient
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Comprehensive

Incorporates needs and opportunities

From a variety of industries

Address ocean, weather and climate data
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Within industries

Scaleable

Across industries

Upgradeable over time
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- Retrofit
- Existing vessels and platforms
- Entry Options
- New build
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Synergies

Within and between industries

Economies of scale

Cost-Efficient
NEXT STEPS for WOC
Connecting people....who may have different interests and value propositions to a SO/SI program
Smart Ocean/Smart Industries

- Develop joint Industry/Science Steering Committee
- Define value proposition, rationale and feasibility for both industry and science community
- Inventory of existing ships/platforms of opportunity programs
Smart Ocean/Smart Industries

- Define the “menu of options” for voluntary observations
- Define interface requirements for platforms / payload
- Explore and explain the principles and practice of open data access and the telemetry issues
- Develop Advisory Group for input from broader range of industry / science representatives
Smart Fishing Vessels Workshop

• Assemble fisheries industry data gathering experience.

• Develop common understanding of opportunities and constraints for fishing vessel data collection.

• Facilitate fishing industry learning from/collaborating with other ocean industries in data collection.

• Develop shared information on the technology and instrumentation available for use on fishing vessels.

• Identify priorities and quality assurance for fishing industry data collection.
Thank You!

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