

Maritime spatial planning:

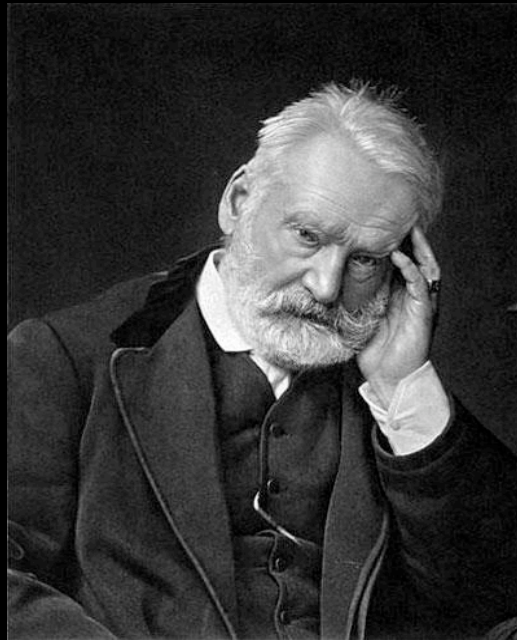
Toward a Safe and Sustainable Use of Maritime Space

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World Heritage Marine Programme
UNESCO



EurOCEAN 2010
Grand Challenges for Marine Research in the Next Decade
Oostende, Belgium
12-13 October 2010

“An invasion of armies can be resisted,
but not an idea whose time has come.”

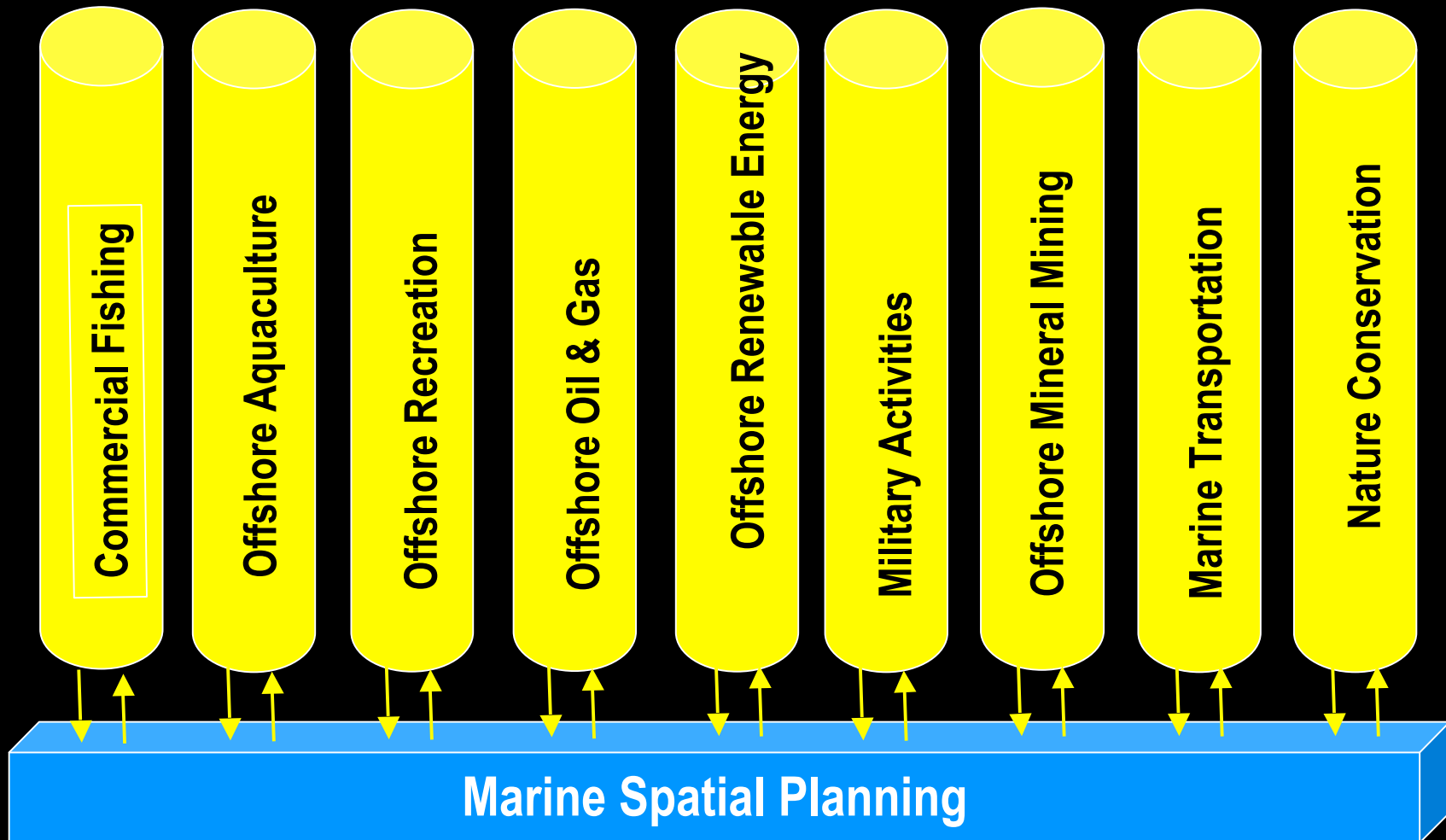


Victor Hugo, 1802-1885
French Poet & Novelist

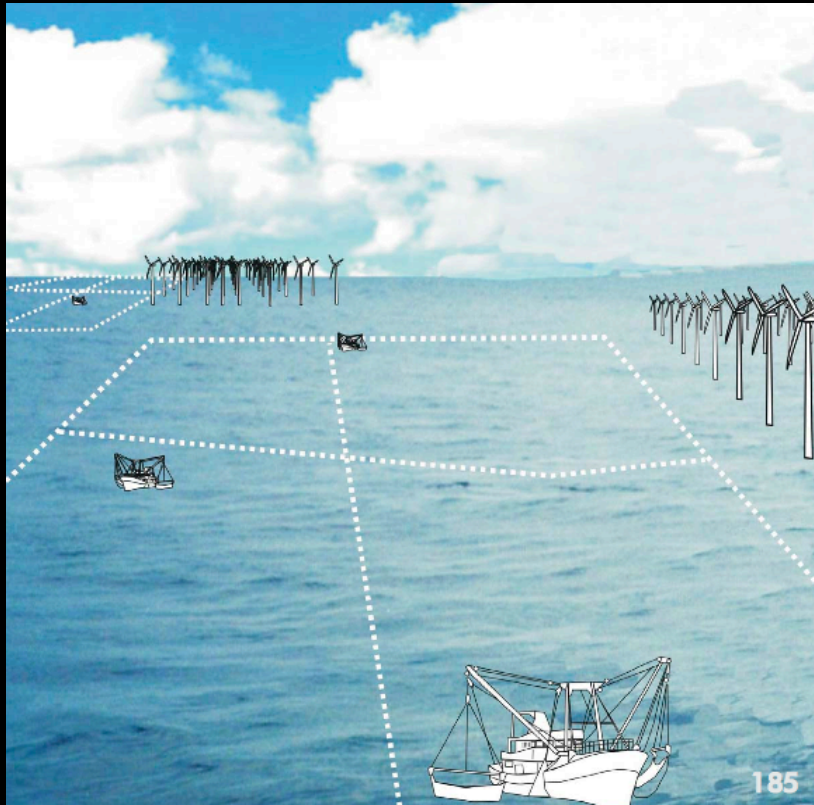
Over the next 3-4 years
at least 12 countries will
have produced about
60 maritime spatial plans



From single-sector to integrated maritime management



Defining maritime spatial planning



Maes et al., 2005

The public process of analyzing and allocating the **spatial and temporal distribution of human activities in marine areas** to achieve ecological, economic, and social objectives that are usually specified through a political process.

UNESCO, 2009



MARINE **SPATIAL PLANNING**

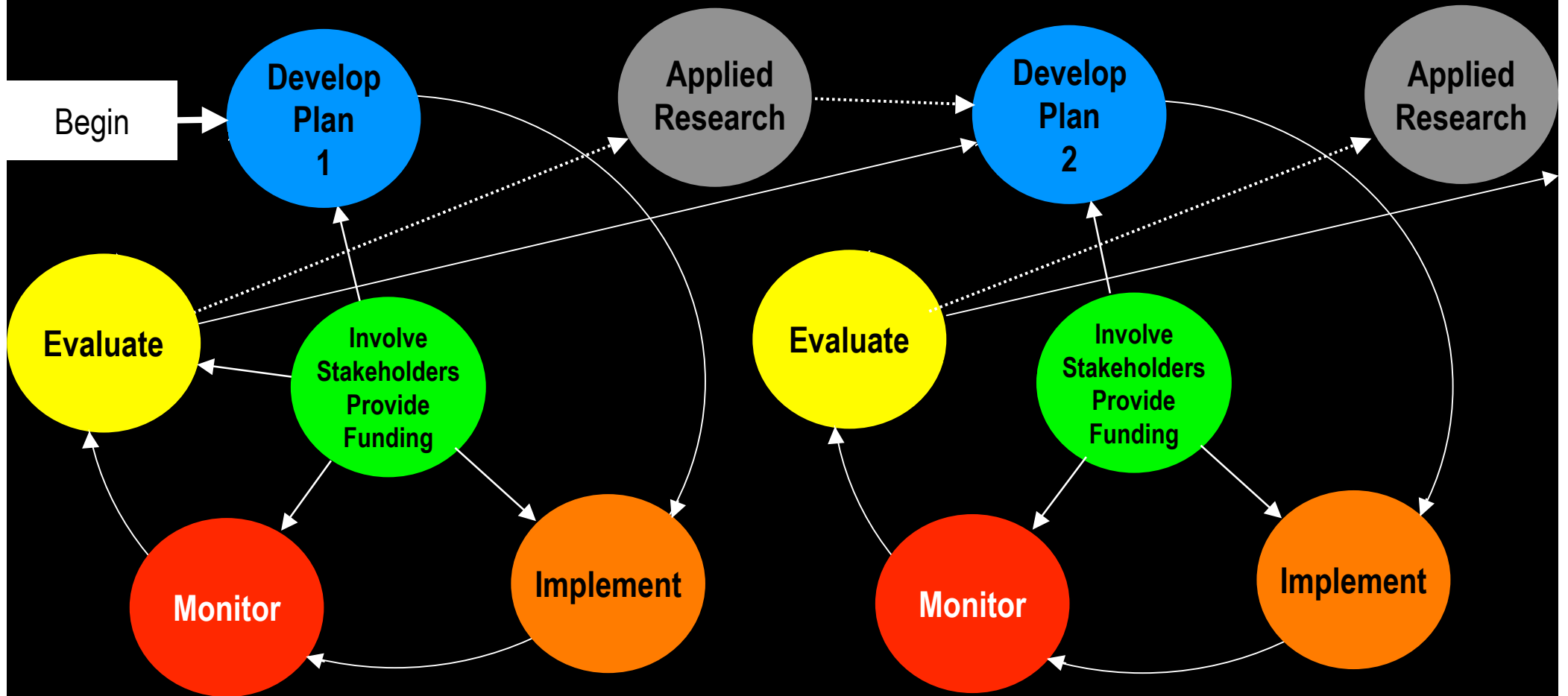
A Step-by-Step Approach
toward Ecosystem-based Management

Intergovernmental Oceanographic Commission
and the Man and the Biosphere Programme

July 2009



Continuous, adaptive and iterative process



How will we know which
work and which do not?

Two Types of Monitoring

State of the System Monitoring

- Focuses on measuring the “state of the environment”; not tied to performance of management measures
- Cannot be used to measure performance of management plan

Performance Monitoring

- Measures the performance of specific management measures of a marine spatial plan

Principle

Basic or essential quality or element determining intrinsic nature or characteristic behavior

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Goal

Statement of general direction or intent

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Objective

Statement of specific outcome (goods and services) or observable behavioral changes that represent achievement of goal

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Management Measure

A means of producing desired goods and services from the management area

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Statement of specific outcome (goods and services) or observable behavioral changes that represent achievement of goal

Management Measure

A means of producing desired goods and services from the management area

Indicator

A unit of information measured over time that will allow you to document changes in specific attributes of the management area

Thank you!



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Thanks to the Gordon and Betty Moore Foundation and the David and Lucile Packard Foundation for their support of the UNESCO work on marine spatial planning. WWF-International and the Government of Belgium have also contributed funds to the program.

**Most marine spatial plans
do not have **monitoring programs**
that **measure indicators of**
performance toward
achieving management objectives**

10 Steps of Maritime Spatial Planning



- Step 1 **Defining Context and Authority**
- Step 2 **Obtaining Financial Support**
- Step 3 **Organizing Stakeholder Participation**
- Step 4 **Organizing the Process Through Pre-Planning**
- Step 5 **Analyzing Current Conditions**
- Step 6 **Analyzing Future Conditions**
- Step 7 **Developing the Spatial Plan**
- Step 8 **Implementing and Enforcing the Plans**
- Step 9 **Monitoring and Evaluating Performance**
- Step 10 **Adapting the Spatial Planning Process**

Most maritime spatial plans
do not have **specific,**
measurable objectives

Most maritime spatial plans
do not have **specific indicators**
that are tied to **specific objectives**
and **management measures**