

WWF-Hong Kong

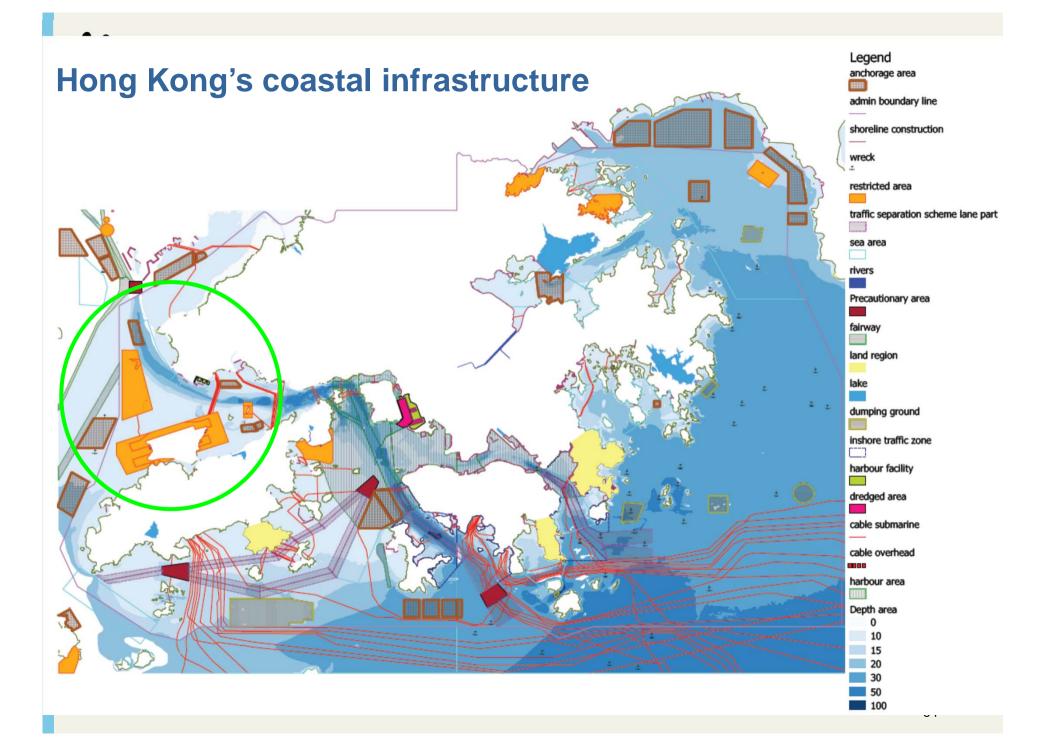
A Sustainable Use of Our Sea - Marine Spatial Planning

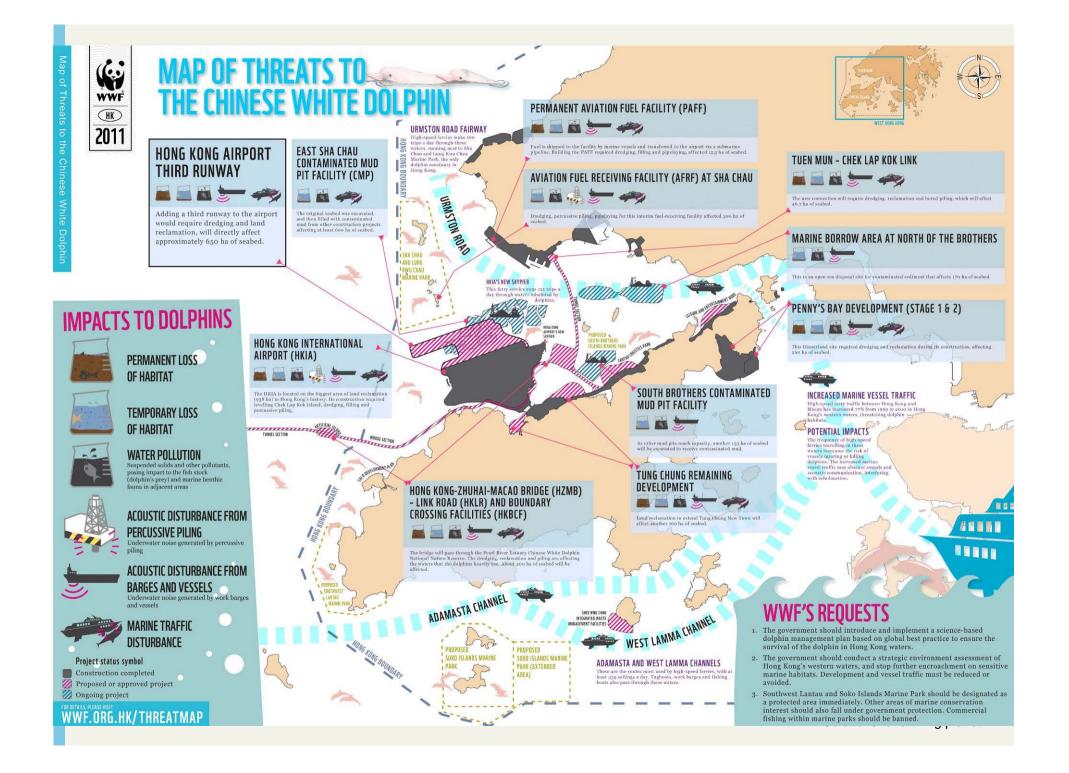
Samantha Lee Assistant Conservation Manager, Marine

23/09/2014 Solutions for a Living Planet

25 September 2014 - 12





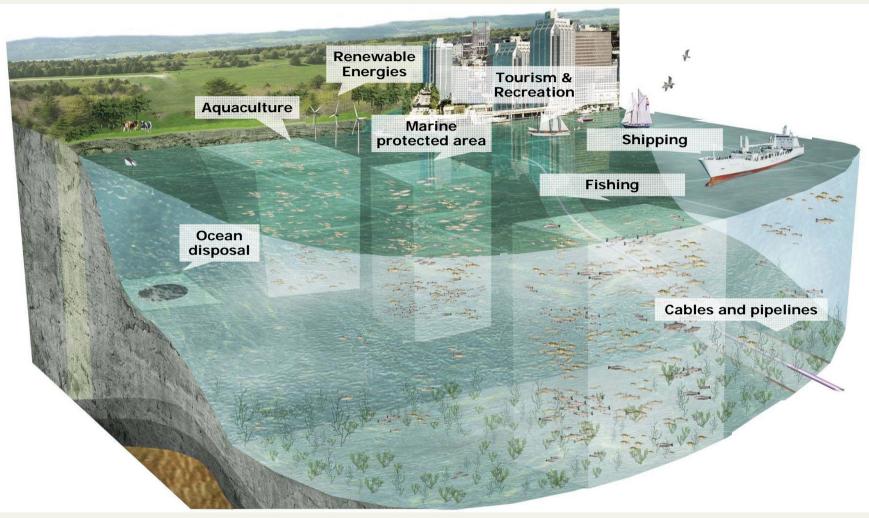




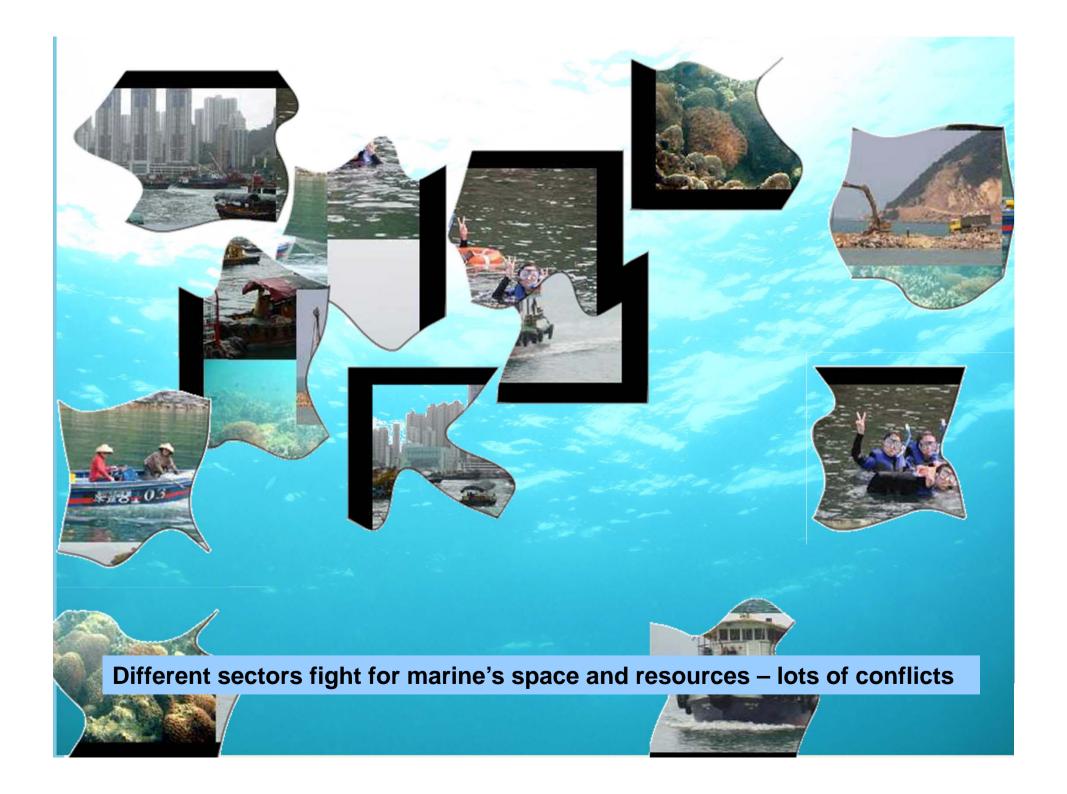
Differences between Terrestrial and Marine Planning

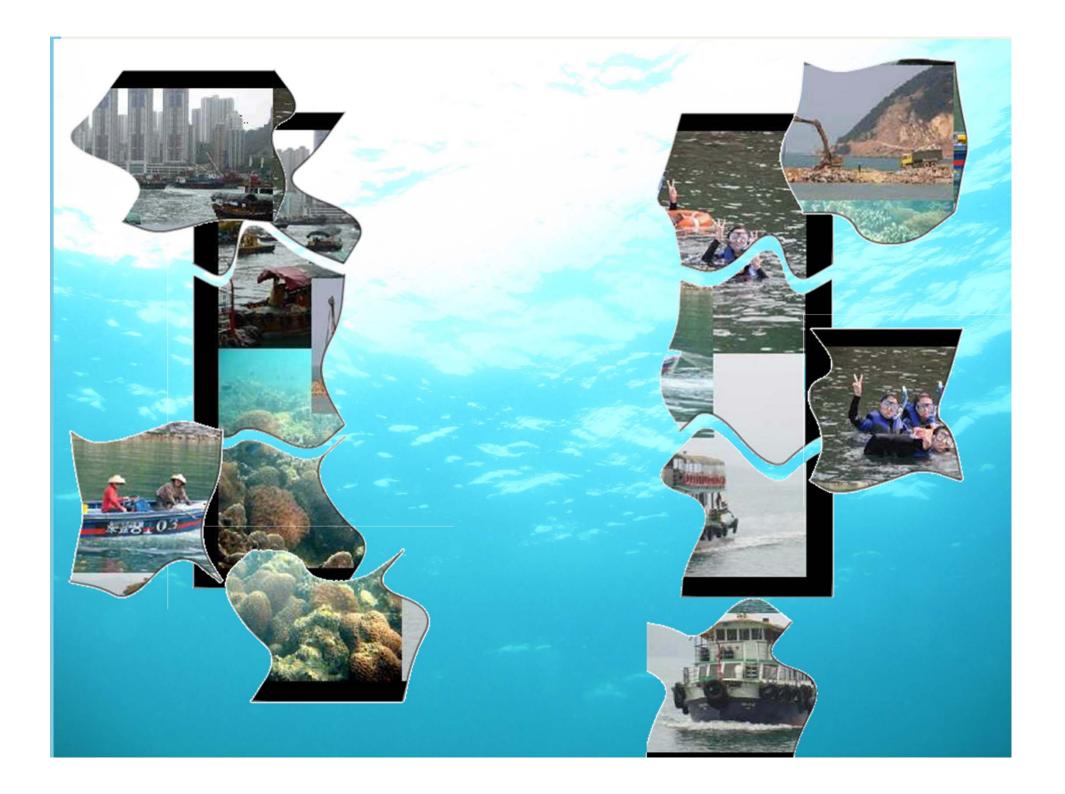
V F		Terrestrial	Marine
	Ownership	Fragmented ownership – between private and public ownership	Held as one piece in trust by the government
	Mobility of activities and ecosystems	More contained, more stable distribution of habitats	Ocean is a fluid and highly mobile environment
	Dimensionality	2-D; based on a grid system	4-D; above surface, on surface, in water column, on/under seabed
	Maps, information and understanding	Most land areas have been surveyed and mapped	Ocean is not well mapped or even understood
	Population and communities	Local communities have a major influence on land-use decision making	Disconnect between local communities and decisions on use
	Transportation	Fixed roads and linear routes	More open frontier for vessels to move around on
	Monitoring and enforcement	Easier	More difficult due to geographic context and variable environmental conditions

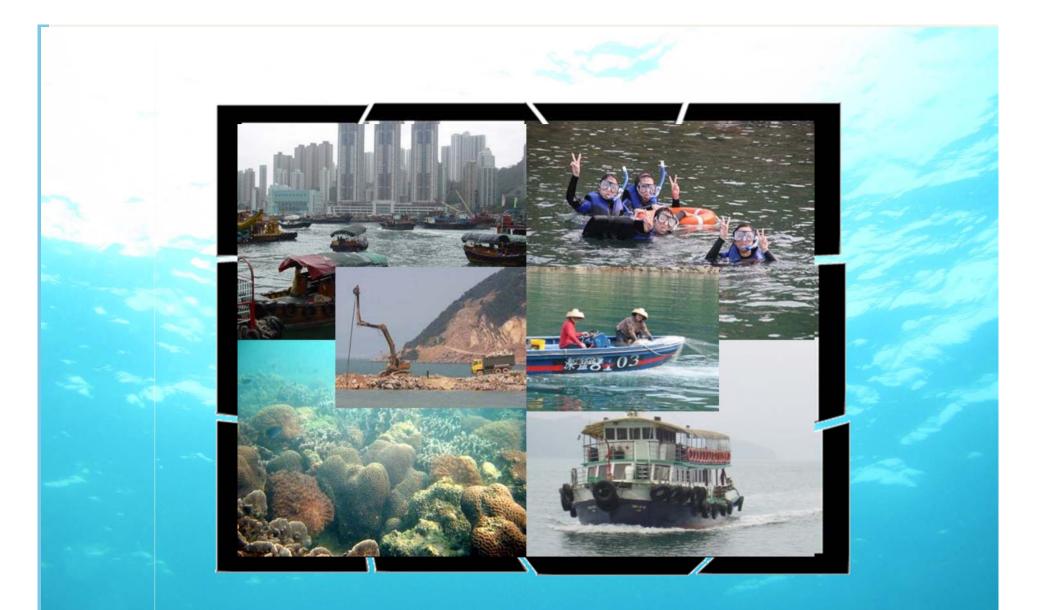




Source: Andrew Dumbrille/ WWF Canada







Find synergies among sectors, considers their existing and future needs – compatible and sustainable use of sea



Time for a CHANGE

• The growth will increase demand for the limited space and resources of the sea

• Conflicts and disputes between Development and Conservation escalate in recent years

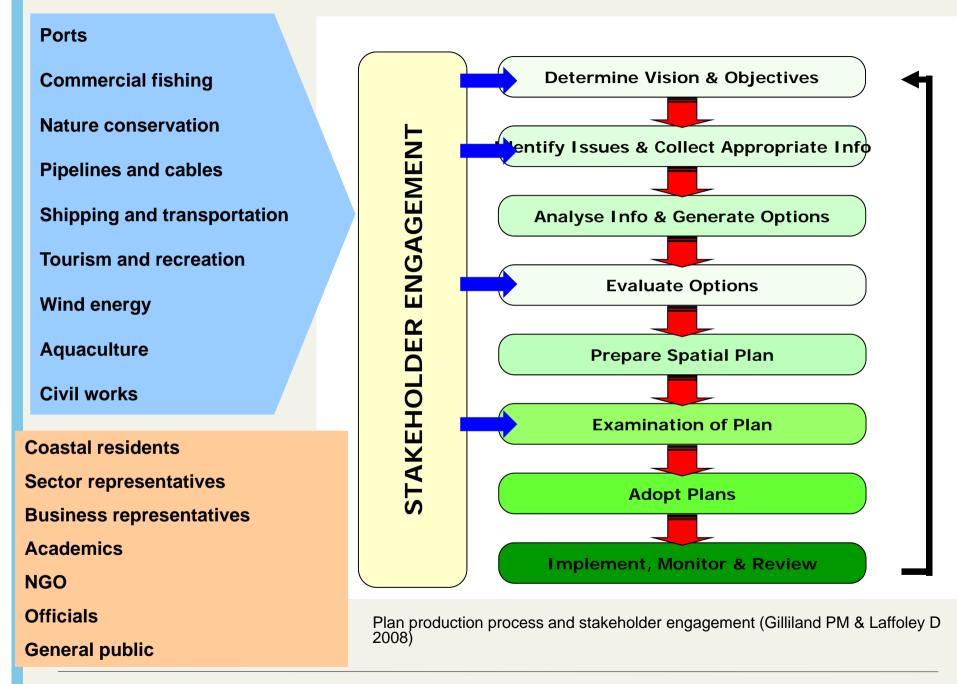
• The sea-use approach – fragmented; Solutions (EIA) - reactive

Marine Spatial Planning



What is Marine Spatial Planning (MSP)

- MSP is a process of analyzing and allocating space and resources in the most appropriate way to minimize conflicts and find synergies among sectors
- Participatory Approach Provide long term foundations for participation among sectors and levels of management to achieve more integrated decision making and more efficient and sustainable use of resources
- To achieve ecological, economic and social objectives





General Benefits

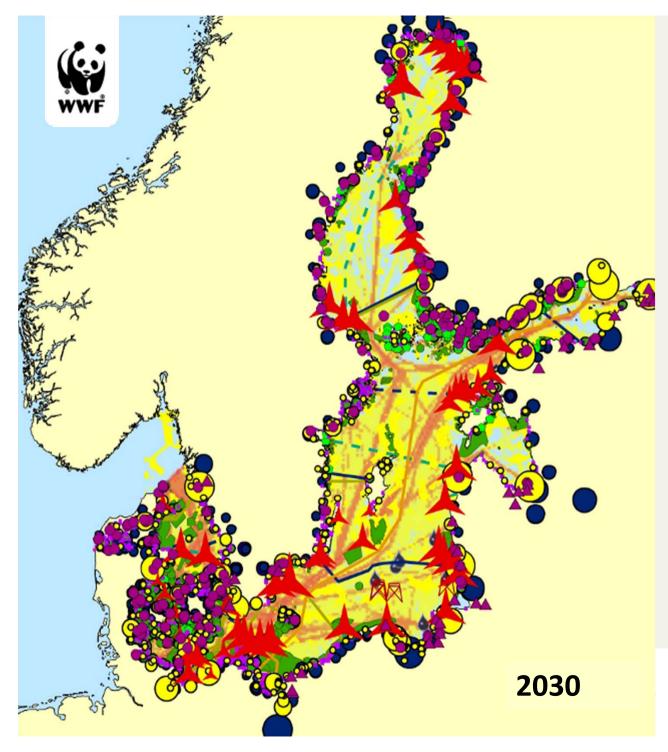
- Involve open dialogues of sectors in the beginning
- Protect nature and reduce fragmentation of marine habitats
- High degree of stakeholder participation
- Identify compatible uses
- Increase transparency in decision making
- Reduce conflicts



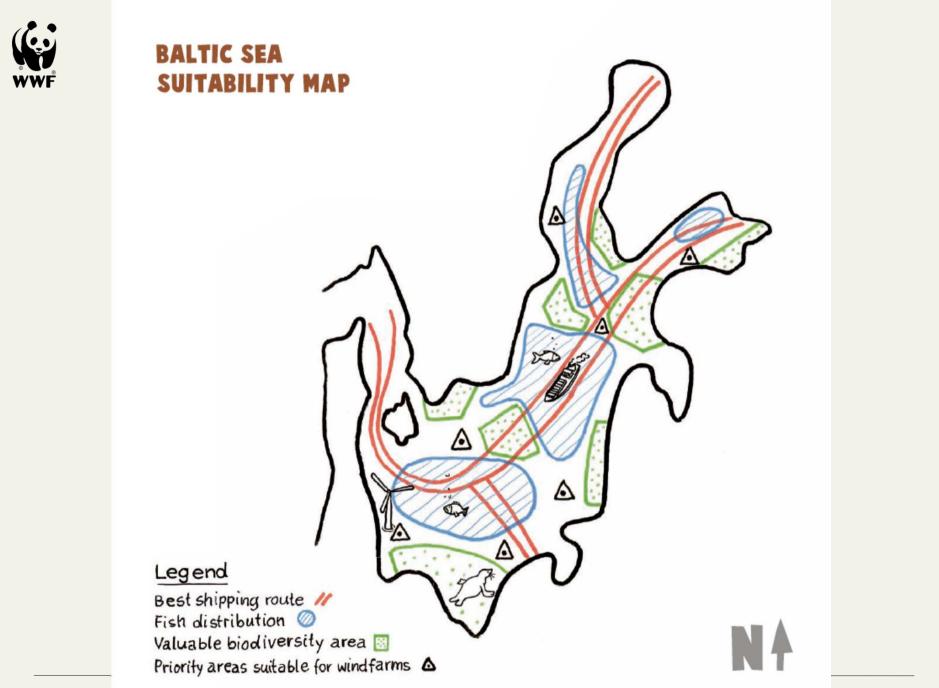
Economic Benefits

- Reduces transaction costs (administration fees, legal advice or fees, even costs associated with environmental assessments)
- Improve certainty and predictability for government/ private investment
- Improve attractiveness of coastal regions
- Reduce co-ordination costs for authorities

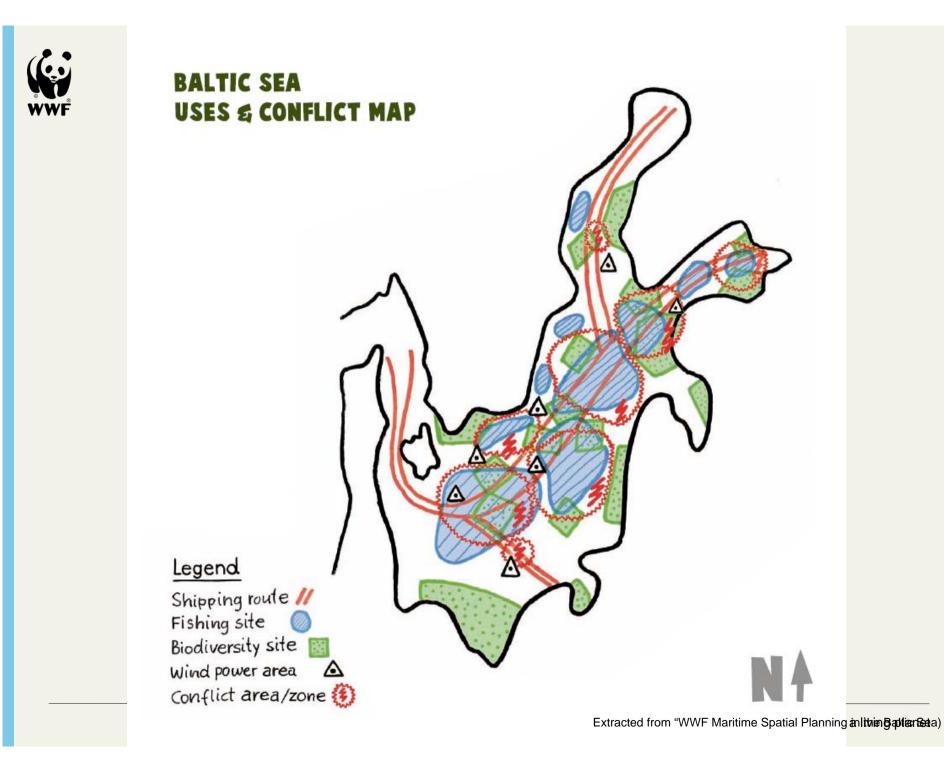




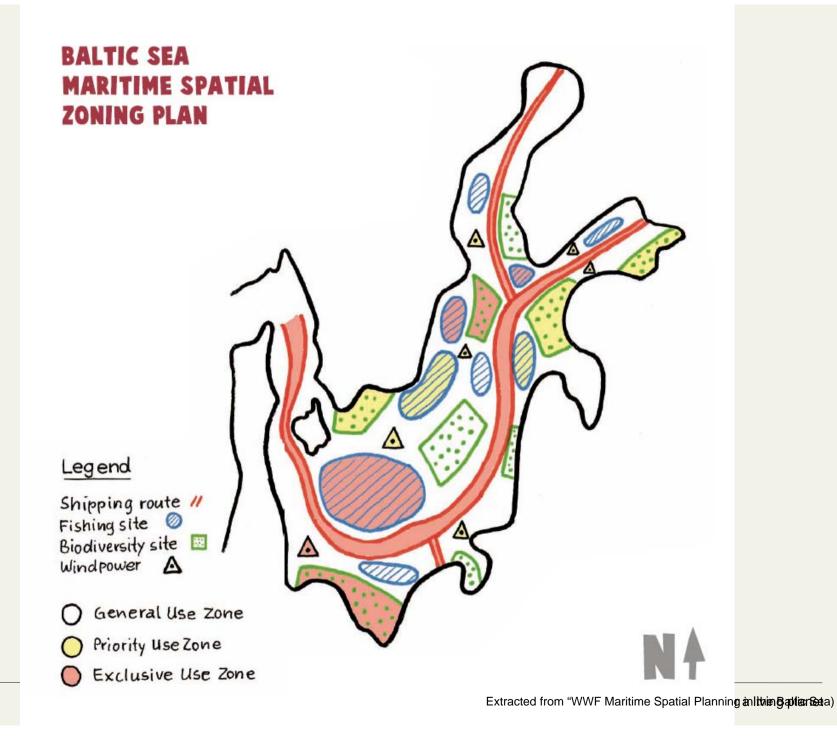
Baltic Sea's Sea Use Future Trend Commercial Fishing Shipping Dredging Oil and Gas Extraction **Pipelines and Cables Physical Exploitations Marine Protected Areas** Aquaculture Agricultural Runoff Nitrogen Phosphorous **Tourism and Recreation** Ports Wind Energy Industrial Pollution

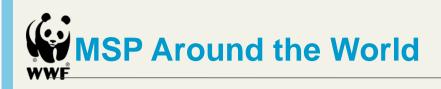


Extracted from "WWF Maritime Spatial Planning anithing aption Beta)

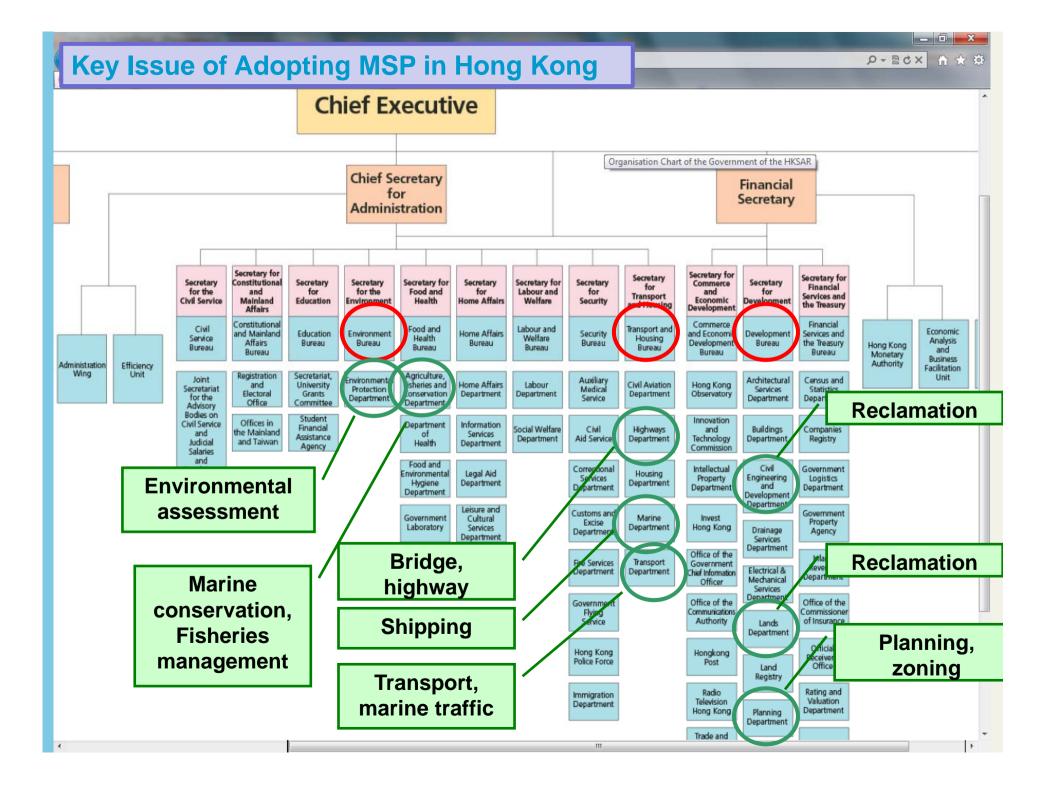








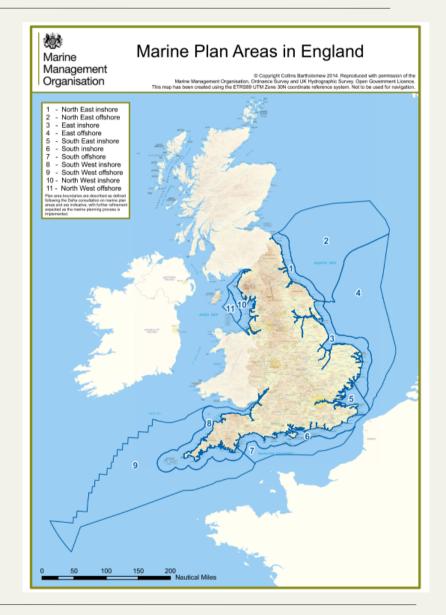
- Around 40 countries (Germany, Australia, Belgium, US, UK etc) have completed or are in process of completing national spatial plans for part or all of their EEZs – MSP no longer a concept!
- MSP is likely to cover 10% of the world's EEZ by the end of 2012 and 25% by 2020
- Most countries rely on existing legislation
- Undertake at a range of scale from 3,600km² to 1.5 million km²
- Usually take 3-4 years to complete
- Most plans are advisory and strategic not regulatory
- Rely on central government funding





UK's Marine Management Organisation

- Created by the Marine and Coastal Access Act 2009
- Executive non-departmental public body
- Key Responsibilities on MSP:
 - publish the MSP plans and guidance
 - work with other regulators and government bodies to coordinate marine and coastal development, using marine plans as a basis for decisions
 - ensure that our stewardship of MPAs contributes to a wellmanaged network, bringing together conservation authorities and other regulatory bodies





- Clear authority to undertake MSP
- Strong political leadership
- Adequate financing to complete at least the first round of MSP
- Effective stakeholder engagement
- Clear, measurable management objectives
- Use of best available information
- A focus on the future, including development of alternative spatial scenario
- Effective performance monitoring and evaluation of management measures
- Adaptive management

Sustainable Use of Sea – a clean, safe, healthy, productive and biologically diverse sea



Thank you

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WWF-HONG KONG

+100

WWF is in over 100 countries, on 5 continents



+35,000

WWF-Hong Kong has over 35,000 individual financial supporters

1981

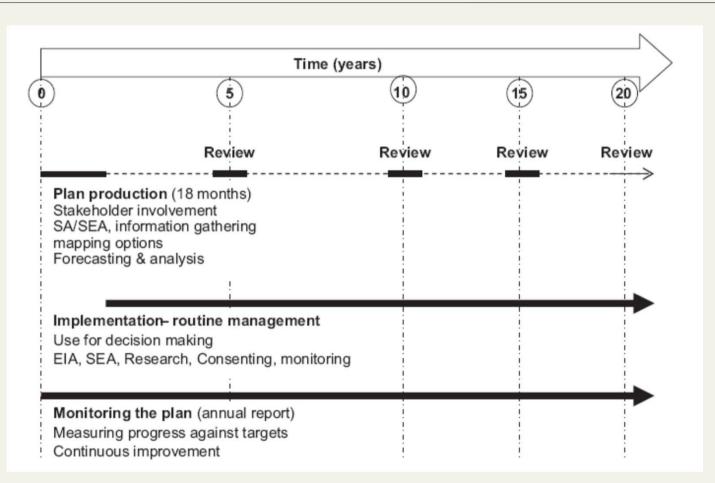
WWF-Hong Kong was established in 1981, to deliver solutions for a living planet

Photo: © NASA

1961

WWF was founded In 1961 _____





Suggested timeframe for a MPS programme (Gilliland PM & Laffoley D 2008)



Costs

- Cost, eg (Whole UK over 20 year period)
 - Information collation: £0.1 million [\$0.2 m] per annum
 - Statutory plan: £3.2 million [\$6.1 m] per annum