

The Hydrographic Society
Southern Region

HYDROGRAPHY and MARINE SPATIAL DATA
INFRASTRUCTURE

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UK Marine and Coastal Access Bill

Dr Diane Dumashie FRICS

Marine & Coastal Access Bill



- Policy drivers
 - Climate change
 - Marine conservation

But also

- Technical
 - Coastal zone
 - Water Column
 - Sea bed



-**Fly High, but Keep your Feet on the Ground**

Briefing Overview

- To identify
The role of the Marine Spatial Planning in the Bill
- To understand if it improves...
Relationships between land and sea.
- You and your Profession.....
Vision and Value

Role- MCA Bill



The Government's
MCAB is

“a key part of a
strategy to make the
best use of our marine
resources and to
ensure its sustainability
for generations to
come”

Marine Bill- Progress

How we got here:

- **2002** Origins from a series of Marine Stewardship Report
- **2005** Manifesto – Labour Government
- DEFRA 5 year strategy including plans for a new Bill to ensure “greater protection of marine resource and simplify the regulatory aspects so that all users of the sea can develop in a sustainable way”.
- **2006/8** consultations on initial proposals and the strategic direction for a Marine Bill, leading to
- **April 2008** public consultation of draft of the Marine Bill, noting
- that two parallel consultations on coastal access and migratory fresh water fish stock eventually merged into the MCAB remit.
- **2009/10** Amendments.- going through parliament

Policy

- **Existing International measures- Conventions & Commissions**
 - UNCLOS, Shipping/ IMO, OSPAR, NASCO
 - World Summit on Sustainable Development, Biodiversity reduction 2010
- **EU measures include:**
 - Industry
 - Conservation
 - Water Quality and Inputs
 - Assessment

But also,

- **EU Marine strategy Directives on Good Environmental Status (GES)**

Key Areas covered



The Bill comprises eleven parts, broadly:

- Creates **Marine Management Organisation**.
- Sets out UK Marine Area
- Introduces **Spatial Planning**.
- Establishes Marine licensing system.
- Introduces Marine nature conservation mechanism.
- Framework for Migratory and fresh water fisheries management
- Modernises enforcement
- Proposes Coastal access
- Miscellaneous and supplementary provisions
- Environmental data and information.

Marine Management Organisation

MMO

- What Strategic Body
- Where HQ in Tyneside, & 18 existing coastal offices (MFA)
- Why Regulation and rules, simplifying consenting regime
- Whom Clear direction and greater efficiencies
- When.....It is still evolving

Marine Planning

It is:

- Strategic framework
- Managing areas of sea and coast
- Objectives articulated and prioritised

- **MPS- Marine Policy Statements**
 - Policy Tool
 - Address EU & International obligations
 - Evolving so continuing engagement

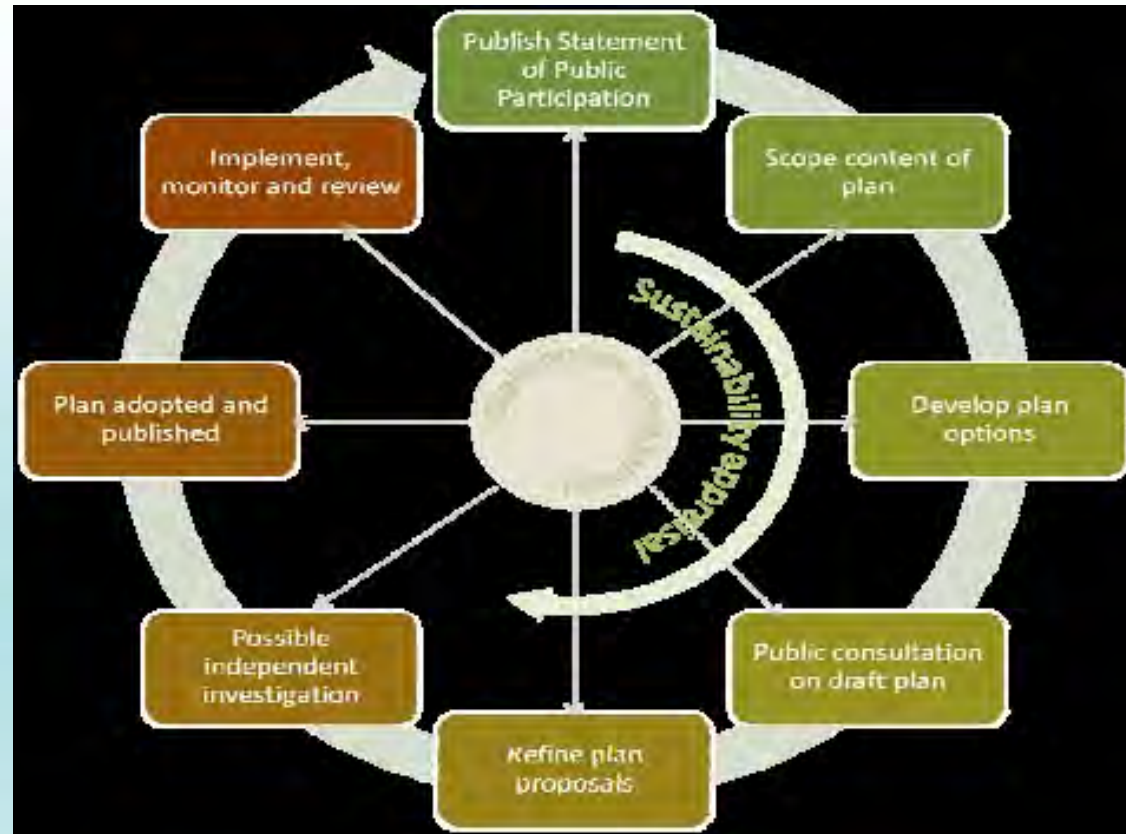
- **MSP- Marine Spatial Planning**

To explain....

Marine Spatial Planning

- **What** key word is proactive use to protect marine resources
- **How** the MPS will drive the marine plan, but process still under research (DEFRA)
- **Where** Territorial waters for each country administered by country plan authority
- **Why** Sustainable development ...inherent in MPS & MSP
- **When.....** estimated 2.5 years to prepare and publish

Stages of the MSP plan process- (DEFRA)



Relationships



Triple bottom line applied to Marine environments:

- Achieving a sustainable marine economy
- Ensuring a strong, healthy and just society
- Living within environmental limits

But also,

- Using sound science responsibly
- Promoting good governance
- Facilitating political agreement on a nation and state wide basis (EEZ's)

Relationships - Critical Issues

- **Land and Sea Integration- will it/ can it happen?**
 - DEFRA Guidance, existing planning land structures (PPS20)
 - Plan overlap (SMP's)
 - Regulatory activity (EA?)
- **Public Consultation- raising realistic expectations?**
 - Promote ownership and stewardship
 - Decision making becomes effective, Having their say
 - Visualisation leading to articulation
- **Public and Private Business- Conflict of interest?**
 - Game keeper and poacher?
 - Role is to coordinate, balance and remain independent
 - Considering charging!

But above all.....

Its all about Data... Past and Present

DEFRA Says,

- **Marine Plans-** scale and scope and data
- **Policy document admits:**
 - Appropriate Scientific data- strategic level and local
 - Uncoordinated collection- various over time, different standards and quality levels
 - Collect once, use many times, and
 - MMO to facilitate the release of data

Google Earth and Google Maps!

Its all about Data....Future

- **Need to maximise value of data, so**
- **Achieving Priorities:**
 - EU INSPIRE Directive
 - Marine planning aspirations
 - And supporting Marine Environmental Data Information network (MEDIN)
 - UK Marine Monitoring and Assessment Strategy group (UKMMAS)

So What?



Can the
Professional.....

- Contribute,
- Co ordinate, and
- Deliver?

Consider....

- **Marine licensing** -
- Marine **Nature Conservation** data and mapping.
- **Fisheries management** and marine enforcement.
- **Environmental** data and information – DEFRA's proposals highlight the importance of high quality marine data and the need for a sound evidence base for making informed policy and management decisions The scale of the information that the MMO will need to manage will range from a UK wide basis to very local issues. It will need scientific and environmental data as well as socio-economic data.
- **Migratory** and fresh water fisheries bye-laws will require maps
- **Coastal access** the area and interface between marine and land.
- **Coastal and estuary management** –overlap between marine and land where current arrangements for co-ordinating activities in busy estuaries and other coastal areas can be complex and at time inconsistent i.e. that we have coastal integration or integrated coastal zone management.
- Action on **climate change** for future generations – plans to managing and protecting the marine environment and
- **Space-** The oceans are also used to supply renewable forms of energy such as wind, wave and tidal power.
- Low carbon transition plan
- **EEZ-** the UK marine area will allow an Exclusive Economic Zone to be designated

Policy - Fly High!



Why?

- **Role** in policy agenda is changing
- **Rapid** technological developments
- **Responsible** to a social justice agenda

Technical – Feet at Sea level!



Keep feet on ground

“The art of measurement was limited in the past to the precise acquisition of data.

Today the data acquisition itself has become much easier, but this does not mean that the whole measurement process is easy to handle and free of errors.

The measurement process today is much more complex than it was decades ago.....

Therefore we need surveying experts who are able to master the entire process of

data acquisition and data processing” Professor R.Staiger

Target Skills

In establishing such a marine planning system, it should be an overall aim for the surveyor to have the ability, or access to expertise, to:

- Deal with **conflicts**
- Possess a long-term anticipatory **vision**
- Involve and educate **stakeholders** and the general public at all stages of spatial management
- Collect, format, share and apply **data and metadata** on the marine environment and its uses for marine planning purposes

Marine Data Infrastructure - Serving People

- The flying high target is Engagement with:
 - Public Institutional - key organisations (MMO and DEFRA)
 - Private - Developers and Business
 - Public Community -Stakeholders

Vision and Value

MSP:

- Relatively little marine planning experience in the UK so need to establish clear spatial planning framework which will include:
 - Mechanisms for integrating planning at various scales/ competing activities/ stakeholder input AND data and meta data management.
- Without doubt geo spatial information and data will be one key to success, so
- This places surveyors in a pivotal position

Marine Spatial Planning and the Profession

The need is to have:

a big Vision in relation to the Policy agenda

And at the same time,

Add Value as individual surveyors in your every day tasks.

- You and your profession can **Fly High**, and **Keep feet on the Ground**
- The question to ask yourself is....

How High?



Thank You



ddd@dumashie.co.uk



