

Investigation of marine natural capital approaches (indicators/metrics) with applicability in England

Wrap Up Meeting- 08/03/2018

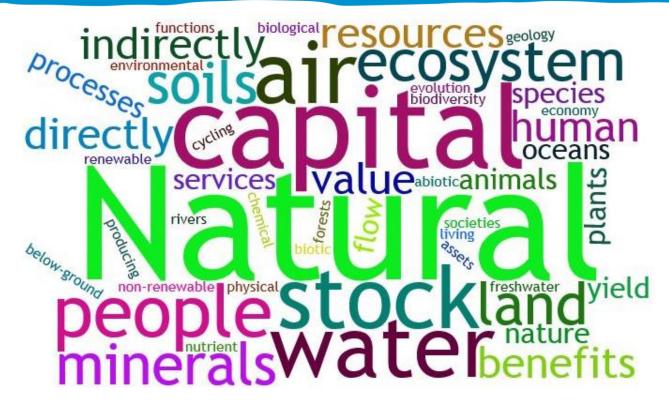
Motivation for placement

- How science can/should best inform on policy decision/development?
 - Improve the accessibility of my science
- The requirements of policy
 - How/what data is required
 - What guides development?
- How evidence is used?
 - Assessment
 - Integration
 - Quality assurance
- To gain an insight into the policy making environment

Placement in a nutshell

Identify and compile examples of Marine Natural Capital approaches (metrics/indicators) and potential data availability to inform on potential application in England

Natural capital.....



Natural capital is our 'stock' of waters, land, air, species, minerals and oceans. This stock underpins our economy by producing value for people, both directly and indirectly.

Natural Capital Committee

Placement objectives

- Investigate current marine natural capital thinking
 - England, UK, abroad
- Identify potential indicators or metrics of marine natural capital - with applicability in England
 - Use in the 25 year environment plan
 - Help evaluate choice/use of natural capital metrics
 - Possibility to test in the Marine Pioneers
- Identify data sets available related to marine natural capital
 - Potential limitations or gaps

Main activities

- Reviewing various literary sources
 - Academic primary research and reviews
 - Natural capital, Ecosystem services, environmental valuation
 - Government reports
- Discussion with various government department/teams/individuals
 - Gather broad information base
 - Inform on the current state of work in this area
- Compilation of existing work
 - Consolidate previous completed and continuing projects
 - Build upon existing efforts
- Linking of existing obligations and Natural capital indicators
 - Water Framework Directive, Marine Strategy Framework Directive, OSPAR convention etc

Other activities

- Assisting on the 25 YEP metrics development project
 - Recently established
 - Compiling views from across departments
 - Establishing criteria for indicators
- Assistance within EAU
 - Feedback on the evidence report to the 25 year environment plan

Learning

- Enhanced understanding of Natural capital
 - In the general sense
 - Appreciation of the scope of work being done
 - Its perception by others
 - Its role as a tool in future monitoring
- Gained insight into the evidence/policy setting and the way in which it functions
 - Gathering different types of evidence
 - Use of workshops and expert inputs
 - Application of evidence to policy design

Personal challenges

- Initial development of the placement scope required consolidation of views as to its direction
 - Differing opinions, differing perspectives, etc
- Pulling relevant information from literature
 - Understanding how they might be relevant
 - Keeping in mind the requirements of indicators
 - Just too big!!
- Keeping in mind the need to indicators to be 'useful' from a policy perspective
 - Actionable, scalable, data availability, efficient....

VN challenges

- The marine natural capital setting requires development but policy action is required now
 - Difficult to design best practice approaches
- The transitional nature of the marine/coastal zone makes it challenging to classify it out into a separate 'box'

Personal opportunities

- Network development
 - Beyond typical academic circle
 - New broader discussions with different objectives and drivers
- Enhanced my understanding of the potential role of natural capital

 Valuable insight into the way in which research can be used in the natural capital approach

VN opportunities

- There is clear drive to integrate and utilise the natural capital approach
 - Development of how this will be done and measured is happening now
- Strong steer to think long term
 - Monitoring system should be robust into the future

Output progress

- Continued collation of current marine natural capital indicators/metrics
 - Mapping onto ecosystem service provision
 - Information sources
 - Commonality with other obligations
- Identify current marine natural capital metric data
 - Availability
 - Spatial extent
 - Potential requirements for the future

Thank you



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