Preparation the Ground for Marine Spatial Planning in Ireland
Wesley Flannery, Eugene Nixon and Micheál Ó Cinnéide

Abstract

Marine spatial planning (MSP) is advocated as a means of managing human uses of the sea in a manner that is consistent with the maintenance of the ecological goods and services of the marine environment. The adoption of a system of MSP is seen as urgent in the face of ever increasing demands on marine resources. This is particularly so in Ireland with its extensive seas, belatedly being recognised as a significant development resource. MSP is promoted by the European Commission (EC) in a recent Green Paper to which Member States of the Union, including Ireland, generally have responded positively. Arising from this consultative process the EC has published the ‘Blue Book’ that commits support for MSP. It has also issued guidelines for an integrated approach to maritime policy. The recently adopted EU Marine Strategy Framework Directive strengthens the case for implementing MSP as it requires each Member State to develop a strategy for its marine resources. There is evidence that a diverse range of stakeholders at national and local levels in Ireland are positively disposed toward MSP but no practical manifestation of the concept is in place, though some preparatory work is underway to facilitate its likely implementation into the future.

Keywords: Marine Spatial Planning; Marine Resources; Ireland; Integrated Maritime Governance

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Introduction

This paper begins by briefly outlining the importance of the marine sector to the Irish economy. The paper illustrates how the marine environment is managed on a sectoral basis by central government and highlights the lack of a coherent marine policy in Ireland. It then describes various international drivers of marine spatial planning (MSP) which promotes integrated management practices of marine resources. MSP requires baseline scientific data as well as stakeholder support for the process. A synthesis of two stakeholder surveys that reveal support for MSP is presented. The paper then outlines some scientific research being undertaken in the Irish marine environment in support of MSP. Recommendations relating to an integrated approach to maritime governance and an associated system of MSP are advanced.

Ireland’s Marine Resource

Ireland is a small island economy with an extensive marine resource (Figure 1). It consists of 90,000 km² of a land resource and almost 900,000 km² of a marine resource (Marine Institute, 2005). The marine sector directly employs approximately 22,000 people and provides indirect employment for another 22,000. It generates a turnover of nearly €3 billion, contributing approximately 1% of Ireland’s GNP (Marine Institute, 2005). This is a considerably lower percentage than in most other maritime countries: the marine sector is estimated to contribute 3.5 - 4.9% of the UK’s GNP, with a turnover of €23.7 billion (Marine Institute, 2005). On a comparative basis Ireland’s marine resource is under-utilised and under-developed. However, GNP is a crude gauge of its significance and conceals the “strategic importance of the marine sector to Ireland as an island nation on the periphery of the European continent” (Long, 2007:civ). Over 99% of Ireland’s
exports and imports, for example, are carried by shipping, while an estimated 4 million people travel to and from Ireland each year on international ferries (Long, 2007:civ).

Although “Ireland’s maritime economy is very much dependent on policy coherence and the establishment of a legal framework that provides for continuity, clarity and certainty” it does not have an over-arching national marine policy (Long, 2007:742). Planning in respect of the marine environment in Ireland is pursued by a variety of bodies which makes it difficult for a holistic, integrated approach to prevail. During the 1980s there were several public bodies responsible for formulating marine policy in Ireland. A number of overlapping competencies were identified and it became clear that the development of the marine sector was being hindered by poor planning structures and by a lack of a coordinated marine policy (Long, 2007). This led to the formation of the Department of Marine in 1987 which was to coordinate government policy on maritime affairs. The Department “placed considerable emphasis on the principle of sustainable development” (Long, 2007:15).

In 1997, a strategy document, Coastal Zone Management – A draft policy for Ireland, (Brady Shipman Martin, 1997) highlighted the multipart and sectoral nature of Ireland’s legislative and administrative framework in the coastal zone and advocated the implementation of integrated coastal zone management (ICZM) as a means of integrating them. Even though there have been statements supporting the use of ICZM as a management tool within subsequent government strategies, including the National Spatial
Strategy, there has been little progress toward its deployment in policy or legislative developments since the publication of the draft policy (Cummins et al., 2004).

Government departmental structures in Ireland are evolving and continually changing over recent times. The Department of the Marine and Natural Resources, as it was known previously, became part of the larger Department of Communications, Marine and Natural Resources in 2002 (Long, 2007). This department later became the Department of Communications, Energy and Natural Resources, with competencies for marine matters being redistributed amongst various departments and agencies. At the time of writing the administration of marine related functions is being apportioned between four different government departments having responsibilities as follows: fisheries and aquaculture (Department of Agriculture, Fisheries and Food); foreshore activities and conservation (Department of the Environment, Heritage and local Government); fossil and renewable energies (Department of Communications, Energy and Natural Resources); and transports and ports (Department of Transport).

With respect to development planning and control in the foreshore the jurisdiction of local planning authorities extends only to the mean high water mark. There is ambiguity over this boundary as it is based, impart, on outdated data. This compounds the issue of split jurisdiction between terrestrial and marine authorities (Brady Shipman Martin, 1997). However, the Planning and Development Act, 2000 increased local authorities’ powers in relation to foreshore planning and development by providing them with a
legislative basis to include objectives regarding development on the foreshore in their development plans (Long, 2007).

Drivers of MSP

Marine spatial planning (MSP) is advocated as a means of managing human uses of the sea in a manner that is consistent with the maintenance of the ecological goods and services of the marine environment. An integrated approach to maritime policy and the implementation of a system of MSP are seen by many, including the European Commission (Blue Book) UNESCO (Workshop Report), Irish Government (Maritime Policy Consultation Process Irish response), and the (Irish) Marine Institute (Sea Change), as an imperative, due especially to ever increasing demands on the marine resource.

MSP is also considered to be a key tool for the sustainable management of activities within the EU-wide network of nature protection areas established under the 1992 Habitats Directive. It is comprised of Special Areas of Conservation (SAC) designated by Member States under the Habitats Directive, and also incorporates Special Protection Areas (SPAs) which were designate under the 1979 Birds Directive. The aim of the network is to assure the long-term survival of Europe's most valuable and threatened species and habitats with an emphasis on ensuring that future management is sustainable, both ecologically and economically (http://ec.europa.eu/environment/nature/natura2000/index_en.htm). The Irish government
has failed to apply these Directives in the correct manner and has been subject to enforcement proceedings taken by the European Commission (Long, 2007).

The EC Water Framework Directive requires Member States to deliver a statutory framework to achieve good ecological status in transitional, estuarine and coastal waters as well as internal river basins (EC, 2000). This process necessitates an integrated assessment of ecological stresses on water bodies with the eventual goal of achieving good ecological and chemical status by 2015. Member States are obliged to construct a register of protected areas and develop a management strategy for each river basin. MSP is considered to be a process through which Member States could achieve the EU Recommendations on Integrated Coastal Zone Management (ICZM). In 2002 the first High-Level Forum on ICZM highlighted the potential to use spatial planning, in conjunction with sea-use planning and marine resource management as a method of implementing ICZM (MSSP Consortium, 2005). Contracting parties to the 1992 OSPAR Convention, including Ireland, have agreed to utilize the ecosystem approach in the management of their marine ecosystems. Contracting Parties also have agreed to implement this approach through the application of the Malawi Principles (Garcia et al., 2003). These Principles consider the ecosystem to be primary management unit and state that management should be decentralised to the lowest appropriate level, should include indigenous and local knowledge, innovations and practices, and should include all relevant sectors of society (Garcia et al., 2003).

The EC is a key advocate of MSP. The EC launched a Green Paper on the Future Maritime Policy for the European Oceans and Seas in June 2006 (EC, 2006). The Irish
government, in its response to the Green Paper, supported the Commission’s objective of attaining good status of the EU’s marine environment by 2021, that would be underpinned by implementing the ecosystem approach to marine spatial planning (Government of Ireland, 2007). The recently adopted EU Marine Strategy Framework Directive strengthens the case for implementing MSP as it requires each Member State to “develop a marine strategy for its marine waters which, while being specific to its own waters, reflects the overall perspective of the marine region or subregion concerned” (EC, 2008a). The EC has also issued guidelines for integrated governance frameworks for Europe’s seas and oceans in order to encourage Member States to prepare national integrated maritime policies, in close collaboration with their maritime stakeholders and to enhance and facilitate cooperation at all levels of maritime governance, including at European level (EC, 2008b). Through this communication from the EC Member States are urged to consider creating internal coordinating structures for maritime affairs within their government frameworks. International levels of decision-making are regarded as having a role to play and active participation by maritime stakeholders in formulating integrated national, regional and local maritime policies, is highly recommended.

Ireland also has signed up to Agenda 21, which, under chapter 17, commits the State to the integrated management and sustainable development of the coastal zone, including exclusive economic zones (EEZs). This requires the implementation of new integrated approaches to marine and coastal management. Chapter 28 of Agenda 21 recognises that many of the problems and solutions being addressed by Agenda 21 have their foundation in local activities. Therefore, the participation and co-operation of local authorities are
regarded as crucial in fulfilling related objectives (UNCED, 1992). In order to achieve these objectives, local authorities are to enter into discussions with citizens, local organisations and private enterprises. Through a process of consultation and consensus-building it is thought that they will acquire the information needed for formulating the best management strategies (UNCED, 1992). Thus, Agenda 21 is not only a driver of MSP, but also advances the case for local stakeholder participation in the production of marine spatial plans.

The adoption of an integrated approach to the management of the marine environment appears to have been successful in the case of the leading maritime nations, including Canada and the Netherlands. In 1996, Canada enacted the Canada Oceans Act. This led to Canada’s Ocean Strategy, Our Oceans, Our Future (2002) which is a policy statement for the management of estuarine, coastal and marine ecosystems guided by the principles of sustainable development, the precautionary approach and integrated management. Initial progress under this strategy was slow due to a lack of funding, resources and capacity; inter agency conflict; and institutional distrust (Guenette and Alder, 2007). Significant progress has been made with integrated management initiatives established by the Ocean Action Plan (2005), The Eastern Scotian Shelf Integrated Management Initiative (ESSIM) being a case in point. A government level committee, The Regional Committee on Ocean Management, was created to integrate and harmonize policies and actions and to “incorporate the objectives and measures of the ocean management plan into existing planning and decision-making processes for all ocean sectors” (Rutherford et al., 2005:77). A multi-stakeholder group, The Ocean Management and Planning Group
(OMPG), “would function as the core of the ESSIM Forum to provide objective and inclusive opportunities for ongoing communications, information sharing and advice for integrated management and planning” (Rutherford et al., 2005:77). In 2005, the Netherlands published *An Integrated Management Plan for the North Sea 2015*. As part of the management strategy central government organisations with competencies for the North Sea would become part of the North Sea Management Network which was coordinated by the North Sea Department of the Directorate General for Public Works and Water Management. “The North Sea Management Network’s main tasks are enhancing knowledge and information management thus reducing the burden for users” (IDON, 2005:14).

While both of these initiatives need further evaluation, including from a participation and governance perspective, it is clear that the process of constructing plans initiates the necessary steps towards integration and coordination of departments and agencies and the participation of interests groups. As the ESSIM Initiative in Canada illustrates, time is needed to coordinate the various agencies and departments, to harmonise sectoral regulations, build stakeholder capacity and trust in the process, and for consensus building. Other countries which have not yet begun to put MSP into practice have initiated projects which are exploring some of the key principles of MSP (Table 3).

**Stakeholder Support for a Process of MSP in Ireland**

Stakeholder participation and involvement are integral to the success of MSP (Pomeroy and Douvere, 2008). Collaborative planning processes have achieved acceptance in spatial planning as they offer the opportunity of reconciling the concerns of diverse
stakeholders and of building local institutional capacity (Healey, 2006). Recently, the use of the ‘bottom-up’ approach to environmental management initiatives has increased due to the perceived failings of the ‘top-down’ approach (Fraser et al., 2006). The collaborative planning process is seen as a learning and iterative process where participants learn about the nature and trustworthiness of other stakeholders and grow to recognize the legitimacy of each other’s viewpoints (Keen and Mahanty, 2006).

At national level in Ireland commitment to terrestrial spatial planning is evidenced by the recent preparation of a National Spatial Strategy in 2002. The preparation of development plans by municipal level planning authorities represents practical manifestations of spatial planning at the local geographic scale. There is no corresponding spatial planning process in respect of the marine environment. However, two recent studies of national level and local level stakeholders, respectively, indicate support for a process of MSP. As there is no immediately identifiable group, body or constituency at national level where considered views pertaining to marine spatial planning may be canvassed, the national level study concentrated on professional administrators and their scientific and resource management advisors to evaluate ‘high level’ stakeholders’ perceptions of MSP (Nixon, 2006). The survey focussed on full-time professionals employed by environmental and industrial representative bodies, non-governmental organisations, as well as experienced independent consultants involved in marine related matters. In addition, views were sought from a number of terrestrial land use planners. Of the 41 completed questionnaires considered in this study, 26 described themselves as being from the State sector.
(including one from the education sector), 9 from industry, 3 NGOs and 3 consultants
(Nixon, 2006).

Asked if MSP should be implemented in Ireland, 100% of the respondents replied
positively although some entered caveats. These centred on issues of commitment,
political will, coastal development and the need for assurances that MSP would be
undertaken properly. Some 97% were in favour of MSP being implemented as a
statutory framework for decision-making. The state sector is probably the most
experienced in the intricacies of current decision-making processes relating to the marine
environment in Ireland and this level of support from survey respondents drawn
predominately from the state sector is a strong indication of a perceived need for change
to the current system. Some 33 respondents supported the idea of seeking consensus
amongst stakeholders. One respondent from the aquaculture and seaweed industrial
sector, who was opposed to this idea, replied that there was a need to define ‘interested
parties’ and was of the view that only those with a social or economic interest should be
consulted in the planning process. Another respondent from the state terrestrial planning
sector was of the opinion that ‘plans should be prepared in consultation with interested
parties, but should be adopted by a statutory body with democratic representation (i.e.
should be more akin to a development plan as prepared by planning authorities than a
strategy or guidelines) so that it can be binding. A respondent from the state
environmental protection sector suggested that ‘while consensus is rarely achievable, the
engagement of coastal communities through inclusion of stakeholders’ views in the
process would be beneficial’. All NGOs consulted were in favour of finding consensus
amongst interested parties. Respondents’ views on the most appropriate lead agency to implement MSP in Ireland are summarised in Table 2. The largest number of respondents (48%) were favoured the establishment of a new marine agency, some 26% were in favour of it being implemented by an existing government department. Fewer than 5% were in favour of it being implemented by local planning authorities.

The second study, targeting local level stakeholders in the marine environment, was conducted in the Dingle Peninsula, on the south-west coast of Ireland. A total of 95 questionnaires were completed. A purposeful sampling technique was utilised as it allowed for the deliberate selection of people with specific characteristics, behaviour or experience (Walker, 1985) in this case “people whose livelihoods are directly or indirectly derived from the sea and other active users of the marine environment” (Flannery and Ó Cinnéide, in press). Strong support for MSP was apparent among these stakeholders. Some 91% of fishers interviewed were in favour though some added that their support for it would depend on the manner in which it was to be implemented. Reasons given for supporting MSP included: the opportunity it would give fishers to diversify; a means to curb pollution; a way of coordinating marine development; it would create greater clarity about what will happen in the area in the future; it would help reduce user conflict, as well as controlling and optimising resource use; and would help facilitate sustainable development e.g. by creating special areas for conservation; it would also help promote new marine based economic activities e.g. by designating areas for recreation and by facilitating the exploitation of renewable energy sources (Flannery and Ó Cinnéide, in press). Some reservations expressed included: it could promote effective
private ownership of specific sea areas; consensus would be hard to achieve; it would be opposed by some local stakeholders; it would descend into a local political quagmire; it could create no-go or no-take areas; much would depend on who created the plan; it would favour economic interests; it would be difficult to get stakeholders to abide by the plan; and the process could be taken over by dominant local groups (Flannery and Ó Cinnéide, in press).

Two different approaches to implementing MSP were investigated in this study: (a) from the top-down by a national agency but with inbuilt local participation and (b) from the bottom-up by local stakeholders with outside expertise, datasets etc., as considered necessary. The latter option was strongly favoured with some 70% of respondents opting for this approach (Flannery and Ó Cinnéide, in press). One respondent, who was employed in marine management, emphasised that MSP should be implemented by a national agency. In the recent past, this respondent had previously participated in an ICZM scoping exercise for the area. He argued that a great deal of expertise was required to plan the marine environment and even if this expertise was available to stakeholders, as part of a locally led planning process, there was a need to have a national agency oversee the process in order for it to be free from local pressures and base decisions on objective scientific criteria (Flannery and Ó Cinnéide, in press). Other arguments offered in favour of a the ‘top-down’ planning process included: plans would need to be integrated with other local, regional, and national plans; it would afford a wider perspective of how the marine environment should develop; it would be free from local political considerations; and there was a strong probability it would place due emphasis
on conservation (Flannery and Ó Cinnéide, in press). Local economic interests, including fishing, aquaculture and water-based tourism and leisure activities, strongly favoured a locally led implementation process. The main arguments put forward for a locally led approach included: a possibility that it would benefit the local community; local participation would maximise local influence and control over the process; capacity would be enhanced through active participation; fishers would have more of a voice in this process which was justified by their vital stakeholding in the marine environment; and it would ensure that the character of the area was preserved (Flannery and Ó Cinnéide, in press). Respondents’ views regarding the lead agency to implement MSP were also solicited. A somewhat unclear and partly contradictory picture emerged with 32% of respondents articulating support for the establishment of a new government agency to oversee the implementation of MSP and a local area based partnership being preferred by 22%. Some support was evident for existing national and regional bodies including Bord Iascaigh Mhara (the Irish Fisheries Board), Údarás na Gaeltachta (a regional development agency), the Marine Institute (national agency responsible for marine research, technology, development and innovation) and various government Departments with competencies related to the marine environment. Support for the local planning authority as lead agency was very weak, with only one respondent advocating this option (Flannery and Ó Cinnéide, in press).

Scientific Research

MSP requires detailed geophysical and biological data regarding the nature of the seabed (Long, 2007). The EU Green Paper emphasises that the mapping of coastal waters is a prerequisite for effective MSP. Seabed mapping provides the information necessary to
spatially define many seabed resources and boundaries and to identify potential opportunities and constraints, e.g. Fig. 3 shows the extent of the Burford Bank, a potentially important sand deposit in the Irish Sea, close to Dublin. It is anticipated that the maps constructed from these projects will assist decision-makers implement sustainable development strategies through an integrated system of MSP.

Ireland is ahead of other European Countries in this regard as it has completed an extensive seabed survey and is in the process of completing a detailed in shore mapping project” (Long, 2007:55). The Geological Survey of Ireland and the Marine Institute are the lead agencies overseeing these projects. Between 1999 and 2005 the Irish National Seabed Survey mapped over 85% of the Irish marine continental shelf. For the purpose of the survey the seabed was divided into three zones: 0 - 50 m isobaths; 50 - 200 m isobaths; and 200 - 4,500 m isobaths (Long, 2007). INFOMAR (the INtegrated Mapping FOr the Sustainable Development of Ireland’s MARine Resource), representing phase two of this project, runs from 2007 to 2010 and this is focused on the coastal zone. Initially INFOMAR is focusing on 26 bays and 3 priority areas (Fig. 2). These were identified during an extensive stakeholder exercise that was conducted in the period between 2002 and 2005. This exercise included consultation with over 50 organisations, including, government departments, coastal local authorities, industry sectors and consultancy companies. During this period the EU designated Biologically Sensitive Area will also be surveyed on an opportunistic basis.
Conclusion

Marine policy in Ireland is determined at government level with some input from industry but with little consultation with the general public or wider interests. A key lesson from international experience is that marine policy receives its legitimacy from the public and is successful only if it concentrates on delivering tangible outcomes that have public support (Long, 2007). MSP is viewed as a management tool that could contribute to policy coherence, help establish a collaborative framework that would help legitimise marine policy through public participation, and bring clarity and certainty to development in the marine environment. MSP is strongly advocated by various international bodies, including the EC, and is already being implemented by leading maritime nations.

The evidence from the stakeholder surveys conducted in Ireland demonstrates support for a system of MSP involving meaningful local involvement. There is strong support at a local level for a bottom-up process though the need for top-down steering and guidance is also recognised. “An approach which would see local level plans nested within larger area plans with both, having regard to nationally set objectives is suggested as a suitable framework” (Flannery and Ó Cinnéide, in press). A new national agency to lead MSP is desired by many local and national stakeholders. Failing this a single Department with responsibility for preparing marine spatial plans and overseeing their implementation is essential. This is particularly true since the fragmentation of responsibilities relating to marine governance into a number of different government departments.
If MSP is to be put on the agenda in Ireland, it will need political and administrative support. Without political leadership, the concept will have little chance of being implemented (Nixon, 2006). Political leadership is required in the development of a national consensus relating to an integrated marine policy. This will require the development of mechanisms through which the public can engage in debate about the management of our marine resources (Long, 2007). A MSP framework is such a mechanism. The stakeholder studies outlined above demonstrate that there is a willingness to engage in such a process. Having already developed some of the necessary datasets to engage in MSP, it is now paramount that the outputs of marine related research supports and informs policy development. In this regard, experience of good practice from other jurisdictions as well as from terrestrial spatial planning must be utilised.

References


Fig 1: Ireland 200 nautical mile EEZ and Continental Shelf Limits. (Source: INFOMAR).
Fig. 2: Location of 26 priority bays, three priority areas (shown in blue) and the Biological Sensitive Area designated under the EU’s Common Fisheries Policy (Source: INFOMAR).
Fig 3 The limits of the Burford Bank a potential important sand deposit in the Irish Sea close to Dublin. (Source: INFOMAR).
<table>
<thead>
<tr>
<th>Marine Sector</th>
<th>Value to Irish Economy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shipping &amp; Maritime Transport</td>
<td>€1,275 million</td>
</tr>
<tr>
<td>Water Based Tourism</td>
<td>€ 566 million</td>
</tr>
<tr>
<td>International Cruise Liners</td>
<td>€ 66 million</td>
</tr>
<tr>
<td>Other Marine Services</td>
<td>€ 121 million</td>
</tr>
<tr>
<td>Fish Landings</td>
<td>€ 210 million</td>
</tr>
<tr>
<td>Fish Processing</td>
<td>€ 366 million</td>
</tr>
<tr>
<td>Hydrocarbon Exploration</td>
<td>€ 22 million</td>
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<tr>
<td>Offshore Renewable Energy</td>
<td>€ 18 million</td>
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<tr>
<td>Seaweed</td>
<td>€ 9 million</td>
</tr>
<tr>
<td>Aquaculture</td>
<td>€ 110 million</td>
</tr>
<tr>
<td>Offshore Oil &amp; Gas</td>
<td>€ 115 million</td>
</tr>
<tr>
<td>Marine Technology</td>
<td>€ 69 million</td>
</tr>
<tr>
<td>Boat Building</td>
<td>€ 20 million</td>
</tr>
<tr>
<td>Other Marine Manufacturing</td>
<td>€ 116 million</td>
</tr>
<tr>
<td><strong>Total Value</strong></td>
<td><strong>€3,001 million</strong></td>
</tr>
</tbody>
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Table 1 Value of Marine Sector to Irish Economy (Source: Marine Institute, 2005)
<table>
<thead>
<tr>
<th>Lead Agency</th>
<th>Number of Respondents</th>
</tr>
</thead>
<tbody>
<tr>
<td>Government Department</td>
<td>11 (27%)</td>
</tr>
<tr>
<td>Regional Authorities</td>
<td>3 (7%)</td>
</tr>
<tr>
<td>Local Authorities</td>
<td>2 (5%)</td>
</tr>
<tr>
<td>Marine Institute</td>
<td>1 (2%)</td>
</tr>
<tr>
<td>New Marine Agency</td>
<td>20 (49%)</td>
</tr>
<tr>
<td>A mix of National and Local Authorities</td>
<td>2 (5%)</td>
</tr>
<tr>
<td>Umbrella group</td>
<td>2 (5%)</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>41 (100%)</strong></td>
</tr>
</tbody>
</table>

*Table 2 High Level Stakeholder opinion on lead agency* (adapted from Nixon, 2006).
<table>
<thead>
<tr>
<th>Country</th>
<th>Example of MSP Initiatives/Projects</th>
<th>Ecosystem approach</th>
<th>Integrated Management</th>
<th>Stakeholder Participation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Australia</td>
<td>Great Barrier Reef Marine Park</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Belgium</td>
<td>GAUFRE Project</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
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<tr>
<td>Canada</td>
<td>Eastern Scotian Shelf Integrated Management Initiative</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
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<tr>
<td>Finland</td>
<td>BALANCE Project</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
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<tr>
<td>Germany</td>
<td>EEZ and Territorial Sea Planning</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
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<td>The Netherlands</td>
<td>Integrated Management Plan for the North Sea 2015</td>
<td>✓</td>
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<td>Norway</td>
<td>Integrated Management of the Barents Sea</td>
<td>✓</td>
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<td>United Kingdom</td>
<td>Irish Sea Pilot Project</td>
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<tr>
<td>United States</td>
<td>Marine Life Protection Act Initiative</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
</tbody>
</table>

Table 3 International examples of MSP initiatives and projects.