

Maritime Policy Action Plan

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Maritime Policy Action Plan

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Maritime Policy Action Plan

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Abstract

The Government Resolution of 3 March 2022 on Finland's Maritime Policy Action Plan develops, coordinates and implements Finland's maritime policy, implements the objectives of the Government Programme related to maritime policy, and promotes the implementation of the EU's maritime policy in Finland. The key priorities selected for the action plan are the protection of the seas, the maritime cluster, and marine production. Within these priority areas, the action plan includes a total of 44 measures.

The Maritime Policy Action Plan is based on the Government Resolution on Maritime Policy, adopted in 2019. The Maritime Policy Action Plan consists of actions and measures that together seek to attain the key objectives set out in the guidelines and implement the maritime policy of the EU, where applicable.

The work was led by a steering group on maritime policy with representatives of different ministries, appointed by the Prime Minister's Office on 10 January 2020. Comments on the action plan were collected from 16 June to 16 August 2021. The composition of the steering group is presented at the end of the publication.

Keywords

maritime policy, seas, marine protection, shipping, maritime industry, aquaculture, fisheries, sustainable development, logistics, maritime clusters, energy production, tourism, digitalisation, security of supply, international agreements, climate change

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Valtioneuvoston periaatepäätös meripolitiikan toimenpideohjelmasta

Valtioneuvoston julkaisu 2022:44

Julkaisija Valtioneuvosto

Yhteisötekijä Valtioneuvoston kanslia

Kieli suomi

Sivumäärä

46

Tiivistelmä

Valtioneuvoston 3.3.2022 tekemällä periaatepäätöksellä Suomen meripolitiikan toimenpideohjelmasta kehitetään, koordinoidaan ja toimeenpannaan Suomen meripolitiikkaa, toteutetaan hallitusohjelman meripolitiikkaan liittyviä tavoitteita sekä edistetään EU:n meripolitiikan toimeenpanoa Suomessa. Meripolitiikan toimenpideohjelman kärjiksi on valittu merten suojeleminen, meriklusteri ja merellinen tuotanto. Toimenpideohjelma sisältää yhteensä 44 toimenpidettä kaikista toimenpideohjelman kärjistä.

Meripolitiikan toimenpideohjelma perustuu vuonna 2019 tehtyyn valtioneuvoston periaatepäätökseen meripolitiikan linjauksista. Toimenpideohjelma koostuu toimista ja toimenpiteistä, joilla pyritään toteuttamaan meripolitiikan linjausten keskeisiä tavoitteita ja toimeenpanemaan EU:n meripolitiikkaa soveltuvin osin.

Työtä ohjasi valtioneuvoston kanslian 10.1.2020 asettama eri ministeriöitä edustava meripolitiikan ohjausryhmä. Toimenpideohjelmasta pyydettiin lausuntoja 16.6.–16.8.2021. Ohjausryhmän kokoonpano on esitetty julkaisun lopussa.

Asiasanat

meripolitiikka, meret, meriensuojelu, merenkulku, meriteollisuus, kalatalous, kestävä kehitys, logistiikka, meriklusterit, energiantuotanto, matkailu, digitalisaatio, huoltovarmuus, kansainväliset sopimukset, ilmastonmuutos

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Statsrådets principbeslut om ett åtgärdsprogram för havspolitik

Statsrådets publikationer 2022:44**Utgivare** Statsrådet**Utarbetad av** Statsrådets kansli**Språk** finska**Sidantal**

46

Referat

Genom statsrådets principbeslut av den 3 mars 2022 om ett åtgärdsprogram för Finlands havspolitik samordnas och genomförs Finlands havspolitik, förverkligas de mål i regeringsprogrammet som gäller havspolitik och främjas genomförandet av EU:s havspolitik i Finland. Som prioriterade områden i åtgärdsprogrammet för havspolitik har man valt skyddet av haven, det maritima klustret och den maritima produktionen. Åtgärdsprogrammet innehåller sammanlagt 44 åtgärder från alla de prioriterade områdena i åtgärdsprogrammet.

Åtgärdsprogrammet för havspolitik baserar sig på statsrådets principbeslut om riktlinjer för Finlands havspolitik från 2019. Åtgärdsprogrammet för havspolitik består av åtgärder som syftar till att nå målen med riktlinjerna för havspolitik och genomföra EU:s havspolitik i tillämpliga delar.

Arbetet leddes av den av statsrådets kansli den 10 januari 2020 tillsatta styrgruppen för havspolitik som representerar olika ministerier. Utlåtanden om åtgärdsprogrammet kunde lämnas in 16.6–16.8.2021. Styrgruppens sammansättning presenteras i slutet av publikationen.

Nyckelord

havspolitik, hav, havsskydd, sjöfart, marinindustri, fiskeri, hållbar utveckling, logistik, havskluster, energiproduktion, turism, digitalisering, försörjningsberedskap, internationella avtal, klimatförändringen

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Contents

Photos	8
1 Introduction	9
2 Measures	12
2.1 Marine protection	13
2.1.1 Maritime Policy Action I/1. Exercising influence to strengthen the international legal framework on the protection of the marine environment.....	14
2.1.2 Maritime Policy Action I/2. Strengthening the implementation of international conventions relating to the oceans	15
2.1.3 Maritime Policy Action I/3. Increasing active and goal-oriented influence.....	18
2.1.4 Maritime Policy Action I/4. Developing a marine research infrastructure and global research capacity	19
2.1.5 Maritime Policy Action I/5. Packaging of and export support to Finnish solution competences and services	21
2.2 Maritime cluster, maritime logistics.....	24
2.2.1 Maritime Policy Action II/1. Promoting the preconditions for super-efficient logistics at the global level: people, goods and data move freely, safely, smoothly and cleanly, Action II/4. Supporting the development of economic ecosystems in logistics, Action II/5. Making the Baltic Sea an international test bed area for autonomic maritime transport to promote the development of maritime transport, Action II/6. Creating stable and predictable operating conditions and Action II/7. Promoting digitalisation in the logistics chain.	25
2.2.2 Maritime Policy Action II/2. Promoting low-emissions operation.....	28
2.2.3 Maritime Policy Action II/3. Guaranteeing security of supply and safe and smooth logistics in all conditions	30
2.3 Maritime cluster, marine industry.....	32
2.3.1 Maritime Policy Action III/1. Exercising influence in developing the conditions and ground rules for fair competition in internationally significant forums (IMO, WTO, OECD) and in the EU	33
2.3.2 Maritime Policy Action III/2. Developing the operating environment of the maritime cluster and supporting the cluster in utilising global opportunities, and Action II/5. Making the Baltic Sea an international test bed area for autonomic maritime transport to promote the development of maritime transport	34
2.3.3 Maritime Policy Action III/3. Supporting companies in the maritime cluster to cooperate, reinvent themselves and develop innovations.....	35
2.3.4 Maritime Policy Action III/4. Developing measures to ensure the availability of competent workforce.....	37
2.3.5 Maritime Policy Action III/5. Safeguarding the availability of critical defence technology in all conditions	38

2.4	Marine production	39
2.4.1	Maritime Policy Action IV/1. Developing sustainable aquaculture production in the global context	40
2.4.2	Maritime Policy Action IV/2. Investing in research and development measures	42
2.4.3	Maritime Policy Action IV/3. Energy production	43
2.4.4	Maritime Policy Action 4. Sustainable recreational use of oceans and seas and tourism	44
3	The composition of the steering group responsible for preparing the action plan	46

PHOTOS

Page	Photographer's name
Cover	Pexels
10	Port of HaminaKotka
13	Finnish Border Guard
23	Wasaline
31	Meyer Turku/Lavea Media
38	Finnish Wind Power Association

1 Introduction

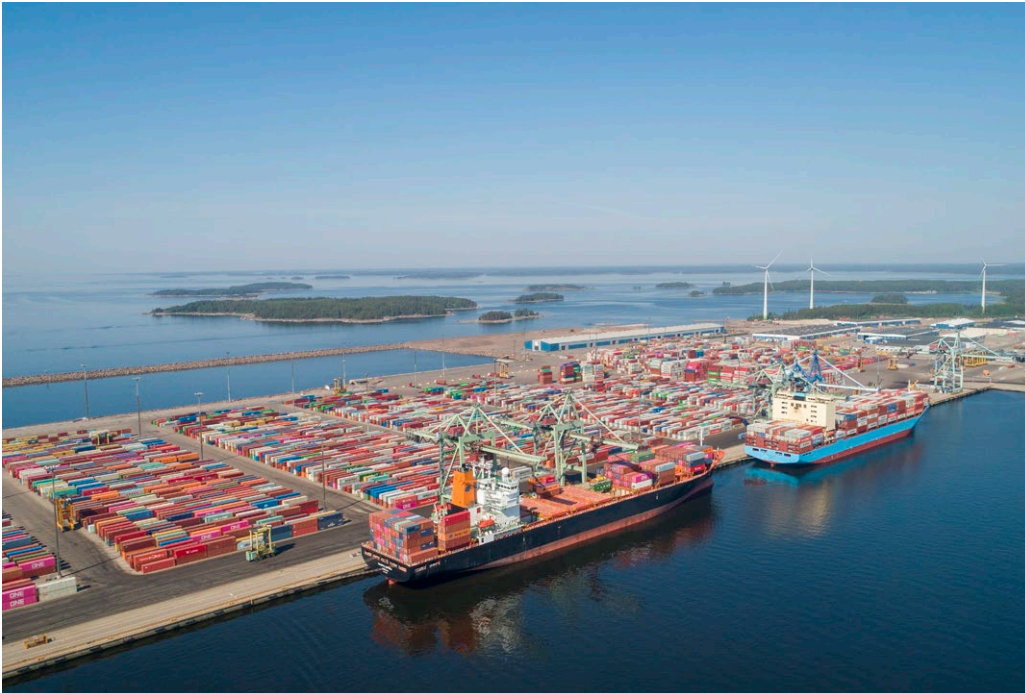
The ocean is a shared resource and source of livelihood for humanity. It covers 71% of the Earth's surface. Two thirds of the ocean is beyond national jurisdiction (ABNJ). The marine environment faces constantly increasing pressures, such as warming and acidification caused by climate change, biodiversity loss, marine litter, eutrophication, oil spills and chemical accidents, offshore and onshore construction, increasing competition for natural resources, and overfishing. It is our collective responsibility to protect not only the Baltic Sea but all marine areas.

Oceans and seas also provide major opportunities for a sustainable blue economy. The maritime cluster is a significant economic player in Finland. Comprising the maritime industry, the shipping industry and port operations, the cluster generated a turnover exceeding EUR 14 billion and employed around 50,000 people before the COVID-19 pandemic. Oceans and seas are the most important routes for global transport: shipping accounts for more than 80% of the world's transport volumes, and the volume of goods carried by sea is projected to grow. Maritime transport is vital for Finland, as around 90% of Finnish goods exports and around 80% of the country's goods imports are transported by sea.

The Government Resolution on Finland's Maritime Policy Guidelines adopted the aim for Finland to develop its maritime policy into a clear area of strength. The guidelines defined the priority areas for Finland's maritime policy from the Baltic Sea to the oceans.

The vision for maritime policy is that Finland exercises global influence and produces solutions ensuring that the use of marine natural resources is sustainable, the state of the marine environment is good, and the effects of climate change do not exceed the carrying capacity of the oceans. Finland has high-quality marine and maritime competence, an innovative and consistently successful maritime cluster, and a well-functioning, safe and environmentally responsible logistics system.

This Maritime Policy Action Plan has been formulated on the basis of the Maritime Policy Guidelines and consists of actions and measures that together seek to attain the key objectives set out in the guidelines and implement the maritime policy of the EU where applicable. EU maritime policy is undergoing significant development, with the core elements being a sustainable blue economy and the protection of the oceans and seas. As regards maritime transport, the EU has for years sought to reduce shipping emissions and promote short sea shipping, a segment that is important for Finland.



The key priority areas of this action plan are marine protection, the maritime cluster, including maritime logistics, and marine production. Coordinated maritime spatial planning based on the EU Maritime Spatial Planning Framework Directive plays a key role in the protection of the marine environment and the sustainable use of marine resources. The use of marine resources can be regarded as sustainable when it does not deteriorate the state of the marine environment or threaten the vitality of marine life or the diversity of marine species and habitats, and when the state of the marine environment is good.

On 10 January 2020, the Prime Minister's Office appointed an interministerial steering group to prepare a Maritime Policy Action Plan and to coordinate Finland's national maritime policy. The steering group has taken account of the reports, strategies and action plans which have points in common with the maritime policy. This document lists the key actions that the ministries commit to implement in their respective areas of responsibility to the extent possible within their resources, making use also of EU project funding where possible. Measures that require funding will be considered and decided upon separately as part of the General Government Fiscal Plan and consideration of the State Budget.

Providing and guaranteeing a secure operating environment in all circumstances is a basic precondition for all activities. Security in the Baltic Sea region and safeguarding society's vital functions are addressed in the Government Report on Finnish Foreign and Security Policy (2020), the Government's Defence Policy Report (2017) and the Government Resolution on the Security Strategy for Society (2017).

The Government Programme sets out the clear objective of improving the state of and protecting the Baltic Sea. Actions to protect and improve the state of the Baltic Sea are not, as a rule, discussed in this action plan, as such measures are covered by the programmes of measures concerning river basin management plans and the development and implementation of the marine strategy, the EU Strategy for the Baltic Sea Region (EUSBSR) and the Baltic Sea Action Plan (BSAP) of the Baltic Marine Environment Protection Commission (HELCOM). This Maritime Policy Action Plan supplements these measures especially at the global level.

The UN has proclaimed a Decade of Ocean Science for Sustainable Development to be held from 2021 to 2030. The Prime Minister's Office has appointed a steering group tasked with formulating a proposal for the UN Decade of Ocean Science for Sustainable Development in Finland and coordinating its implementation.

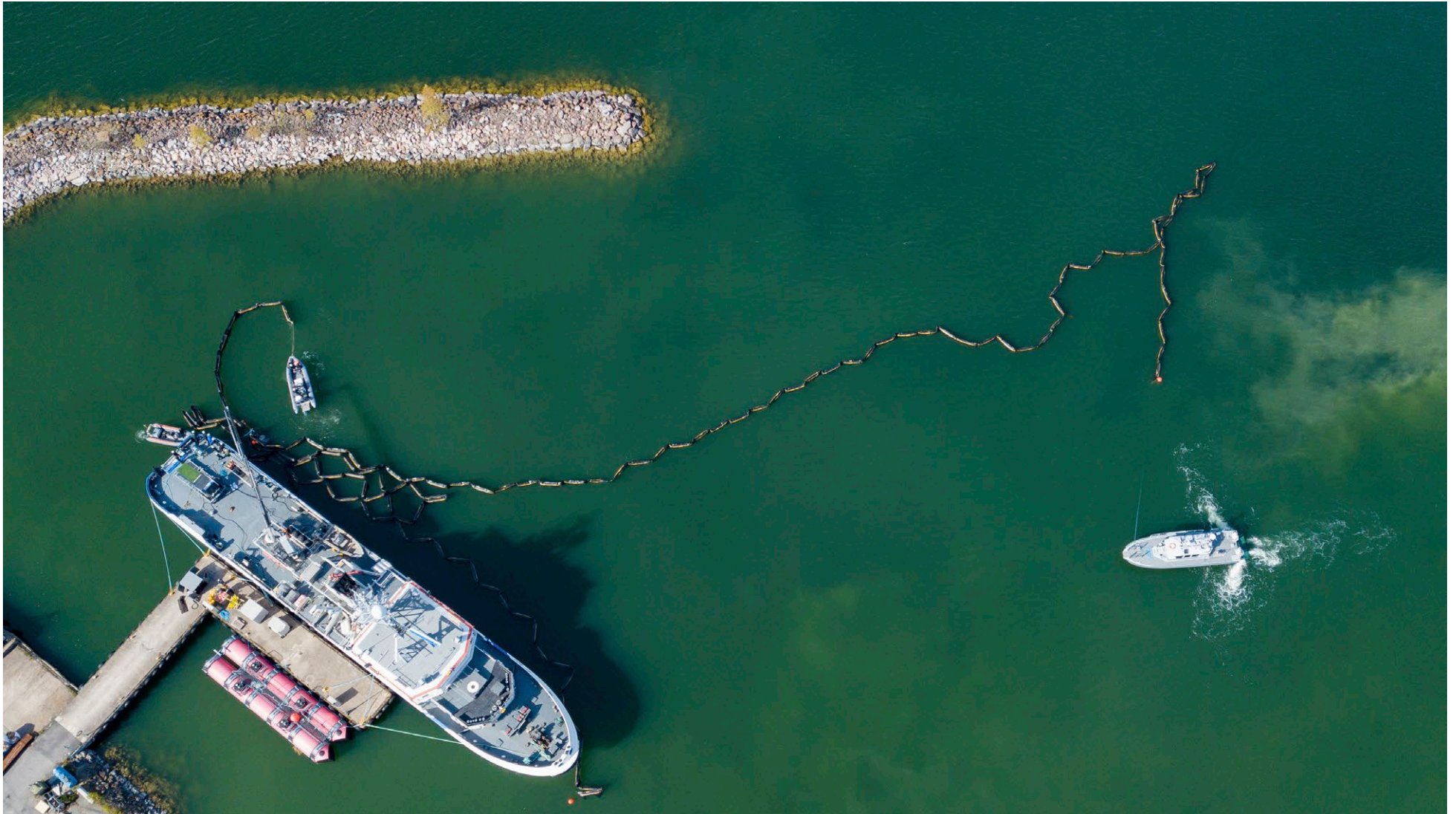
The COVID-19 pandemic has had a major impact on the various maritime policy sectors and particularly on tourism, maritime transport and ports. Its impacts on marine industry operations have also been significant, and further impacts can be expected to appear retroactively. This action plan does not feature direct measures to combat the economic crisis caused by the pandemic. Government decisions relevant to economic response have included increasing funding allocated to Business Finland (the Finnish government organisation for innovation funding and trade, travel and investment promotion) as well as the Centres for Economic Development, Transport and the Environment (ELY Centres) in a 2020 supplementary budget; increasing the financing authorisations of the state-owned specialised financing company Finnvera; providing further capital funding for Finnish Industry Investment Ltd (Tesi); introducing new sector-independent financial support for business costs; and enacting multiple taxation-related relief measures.

Shipping has also been supported through the continuation of the halving of fairway dues; by enacting a temporary amendment to the Act on Improving the Competitiveness of Vessels Engaged in Maritime Transport; through support from the National Emergency Supply Agency (NESA) and the Finnish Transport and Communications Agency (Traficom) for transport that is essential for foreign trade by means of imposing a public service obligation upon passenger and cargo routes identified as essential; and a Ministry of Finance loan guarantees programme for shipping companies to operate and maintain cargo transport essential to the security of supply.

2 Measures

In line with the Maritime Policy Guidelines, the proposed 44 measures are divided into four themes: marine protection, maritime cluster/maritime logistics, maritime cluster/marine industry and marine production. The measures have been further divided by theme into actions reflecting the Maritime Policy Guidelines.

2.1 Marine protection



2.1.1 Maritime Policy Action I/1. Exercising influence to strengthen the international legal framework on the protection of the marine environment

Measure	Description of the measure	Objective and timeframe	Means of attaining the objective	Resources and potential funding sources	Lead organisation and key partners
1 Safeguarding the wellbeing of marine areas beyond national jurisdiction	Achieving an ambitious implementing agreement under the UN Convention on the Law of the Sea (UNCLOS) concerning the conservation and sustainable use of marine biological diversity beyond areas of national jurisdiction, and implementing UNCLOS effectively in the Arctic marine areas.	The fourth session of the Intergovernmental Conference (IGC) negotiating the agreement scheduled for spring 2020 had to be postponed due to the COVID-19 pandemic and has been rescheduled to March 2022. The aim is to reach an agreement that meets the EU's content goals and to complete the negotiations in 2022.	Maintaining a high level of ambition in the agreement negotiations as part of the EU. Playing an active role to find a solution concerning the regional implementation of the agreement and effective implementation in Arctic marine areas, especially through the Arctic Council.	As part of official duties (agreement negotiations); funding for Baltic Sea, Barents and Arctic (BBA) cooperation (discussions supporting regional implementation and an Arctic Council project potentially linked to them).	Ministry for Foreign Affairs, Ministry of the Environment
2 Reducing marine plastic and microplastic pollution globally	Contributing actively towards the UN Environment Assembly (UNEA) taking a decision on effective measures to curb plastic pollution and improve related global governance and deciding to launch talks towards a global convention on plastic pollution. Actively promoting the implementation of the 2018 Regional Action Plan on Marine Litter in the Arctic	Negotiations for a global plastic pollution treaty commence in 2022. Implementing the Regional Action Plan on Marine Litter in the Arctic and its monitoring program.	Contributing towards the development of the global governance framework through the EU as well as through Nordic and Arctic cooperation. Promoting the creation and export of scalable inventions and concepts that support a solution to the plastics problem. Cooperating with partners including African ones in contexts such as UNEA. Supporting the work of the Arctic Council working groups in marine litter issues in accordance with the action programme.	As part of official duties.	Ministry of the Environment , Ministry for Foreign Affairs, Ministry of Economic Affairs and Employment, Finnish Environment Institute (SYKE), Ministry of Transport and Communications

2.1.2 Maritime Policy Action I/2. Strengthening the implementation of international conventions relating to the oceans

Measure	Description of the measure	Objective and timeframe	Means of attaining the objective	Resources and potential funding sources	Lead organisation and key partners
3 Promoting the adoption and efficient governance of the global 30% marine protection target	Influencing the international treaty negotiations and highlighting the target through communication, in bilateral meetings and as part of the activities of the Global Ocean Alliance and the Blue Leaders.	Commitment to a percentage target under the framework of the UN Convention on Biodiversity (CBD) will be made during 2022. The effective governance target will also be promoted in negotiations on Marine Areas Beyond National Jurisdiction (BBNJ) under UNCLOS.	<p>Alongside protected areas, developing a variety of tools to attain the objective through e.g. the Other Effective Area-Based Conservation Measures (OECM) concept.</p> <p>Developing tools for assessing the efficiency and effectiveness of protection and sharing results in international contexts.</p> <p>Taking account of opportunities for cooperation with African partners on relevant forums.</p>	As part of official duties; funding for Baltic Sea, Barents and Arctic (BBA) cooperation, LIFE funding, development cooperation financing of the Ministry for Foreign Affairs.	Ministry of the Environment , Ministry for Foreign Affairs, Finnish Environment Institute (SYKE)
4 Identifying the protection needs of Arctic marine areas and establishing a comprehensive network of marine protected areas	Implementing in the Arctic Council a study project concerning protection needs in 2021–2023, and subsequently seeking to progress to negotiations on the establishment of a network of Marine Protected Areas (MPAs). With negotiations for OSPAR Arctic MPAs launched at the 2021 ministerial meeting, aiming to reach a political agreement on MPAs in 2022.	Implementing in the Arctic Council a study project concerning protection needs in 2021–2023, and subsequently seeking to progress to negotiations on the establishment of a network of MPAs. Aiming to reach a political agreement on OSPAR Arctic MPAs in 2022.	<p>Contributing actively towards the establishment of a network of MPAs through discussions in the Arctic Council and OSPAR. In the Arctic Council, focusing specifically on debate in the SAO-Based Marine Mechanism and the Protection of the Arctic Marine Environment (PAME) Working Group, especially as regards MPA themes.</p> <p>Supporting the activities of the PAME Secretariat and participating in the drawing up of the Central Arctic Ocean Synthesis report.</p>	As part of official duties; IBA funding.	Ministry of the Environment , Ministry for Foreign Affairs, Ministry of Transport and Communications (Finnish Transport and Communications Agency (Traficom))

Measure	Description of the measure	Objective and timeframe	Means of attaining the objective	Resources and potential funding sources	Lead organisation and key partners
5 Safeguarding seabed integrity through regulation of extractive activity	Promoting the protection and sustainable use of the seabed in all forums.	Continuous activity.	<p>Participating in the activities of the International Seabed Authority (ISA) with a view to safeguarding the protection and sustainable use of the deep seabed.</p> <p>In the Baltic Sea, taking account of the provisions of the Territorial Surveillance Act in the territorial waters and acknowledging that the accuracy and specificity of seabed data is significant for national defence, i.e. national security.</p> <p>Identifying issues relating to the protection and sustainable use of the seabed in Arctic cooperation, too.</p> <p>Improving the knowledge base relating to the seabed.</p>	As part of official duties; funding for Baltic Sea, Barents and Arctic (BBA) cooperation (Arctic areas), EMFF funding decided nationally, BlueInvest funding.	Ministry for Foreign Affairs, Ministry of the Environment, Ministry of Economic Affairs and Employment, Ministry of Defence, Geological Survey of Finland (GTK), Finnish Environment Institute (SYKE)
6 Promoting marine Sustainable Development Goals (SDG) in the African region	Supporting the implementation of Finland's Africa Strategy.	Adopted in spring 2021.	Incorporating in the Africa Strategy action plan of the Ministry of the Environment and other relevant ministries an objective and measures relating to marine resources and recognising the interlinkages of maritime policy orientations.	As part of official duties.	Ministry of the Environment, Ministry for Foreign Affairs, Prime Minister's Office

Measure	Description of the measure	Objective and timeframe	Means of attaining the objective	Resources and potential funding sources	Lead organisation and key partners
7 Playing an active role as a full member of the Antarctic Treaty System	<p>Enhancing Finland's role within the framework of the Antarctic Treaty System and the Commission for the Conservation of Antarctic Marine Living Resources (CCAMLR).</p> <p>Considering full membership of the CCAMLR, which is a key component of the Antarctic Treaty System.</p> <p>The aim is for Helsinki to host the Antarctic Treaty Consultative Meeting (ATCM) in 2023.</p>	Continuous activity.	<p>Acting in cooperation with African partners to promote marine protection and sustainable use of marine areas e.g. at side events of international conferences, at bilateral meetings and through initiatives.</p> <p>Business Finland will promote the functioning of business ecosystems relating to marine innovation and competence in Africa.</p> <p>Participating in the activities of the CCAMLR. Identifying the protection needs of Antarctic marine areas and supporting the establishment of a comprehensive network of marine protected areas (MPAs) within the framework provided by the Antarctic Treaty System.</p> <p>Participating in the ongoing preparation of guidelines concerning Antarctica with regard to possible adverse effects of tourism on ecologically sensitive areas.</p>	<p>As part of official duties.</p> <p>With the 2023 ATCM approaching, establishing the Host Country Secretariat required by the Antarctic Treaty and recruiting the required staff.</p> <p>Continuing support to Finland's Antarctica research.</p>	<p>Ministry for Foreign Affairs, Ministry of the Environment, Ministry of Transport and Communications (Finnish Meteorological Institute)</p>

2.1.3 Maritime Policy Action I/3. Increasing active and goal-oriented influence

Measure	Description of the measure	Objective and timeframe	Means of attaining the objective	Resources and potential funding sources	Lead organisation and key partners
8 Reducing the adverse effects of climate change and marine acidification on the marine environment	Drawing up regional action programmes relating to acidification in the Arctic Council, the EU Strategy for the Baltic Sea Region, HELCOM and other suitable contexts. The update to the HELCOM Baltic Sea Action Plan (BSAP) was adopted on 20 October 2021.	The action programmes should contain measures relating to monitoring and assessment of acidification status as well as measures relating to reduction of, and potentially adaptation to, acidification.	<p>Promoting in international organisations the strengthening of the knowledge base relating to marine carbon reservoirs and greenhouse gas balance accounting.</p> <p>Developing marine energy solutions, while at the same time ensuring their ecological sustainability and, in particular, the protection of marine biodiversity and coordination with territorial surveillance.</p>	As part of official duties; EU project funding, nationally decided and Commission EMFF funding, research project funding, BANOS, Nordic Council of Ministers funding.	Ministry of the Environment , Ministry for Foreign Affairs, Finnish Environment Institute (SYKE)

2.1.4 Maritime Policy Action I/4. Developing a marine research infrastructure and global research capacity

Measure	Description of the measure	Objective and timeframe	Means of attaining the objective	Resources and potential funding sources	Lead organisation and key partners
9 Implementing the objectives of the UN Decade of Ocean Science (2021–2030)	<p>The Finnish steering group of the UN Decade of Ocean Science will formulate a proposal for the implementation of the UN Decade of Ocean Science in Finland.</p> <p>Updating the national strategy for marine research.</p>	<p>Completing the action plan for implementing the UN Decade of Ocean Science in Finland in 2022 and implementing it from 2023 onwards.</p> <p>By updating the national strategy for marine research, boosting the development of marine protection, the sustainable use of marine resources, the knowledge base relating to climate change as well as marine-based sustainable development solutions.</p>	<p>Supporting Government-driven and broad horizontal support for the formulation and implementation of the strategy.</p> <p>Formulating Finland's national Arctic marine research strategy and implementation plan, including funding opportunities.</p>	<p>As part of official duties; IBA funding, EMFF funding decided nationally, Government's analysis, assessment and research activities (VN TEAS), public-private partnership (PPP) models and other interface models towards customers.</p> <p>NEFCO (PSI) and Nordic Council of Ministers funding opportunities, Sustainable Blue Economy Partnerships, Horizon Europe.</p>	<p>Prime Minister's Office, Ministry of Education and Culture, Ministry of the Environment, Ministry of Agriculture and Forestry, Ministry for Foreign Affairs, Ministry of Defence, Ministry of Transport and Communications, Ministry of Employment and the Economy</p>
10 European multisource coastal observation system	<p>Coordinating the piloting of the new integrated pan-European multisource Supersites concept for coastal observation as part of the European Joint European Research Infrastructure for Coastal Observatories (JERICO-RI).</p>	<p>The aim is to raise and establish Finnish marine research infrastructure innovations and new Finnish services to the international forefront (Strategy for National Research Infrastructures in Finland 2020–2030, National Roadmap for RDI 2020).</p>	<p>Core elements including the development and integration of autonomous measurement, multisource and multiplatform observations, digitalisation, big data, cloud services and e-infrastructures, openness, and research infrastructure service development and diverse effectiveness.</p>	<p>As part of official duties; EU project funding (INFRAIA, INFRADEV, Commission EMFF funding), and Academy of Finland funding granted in 2021.</p>	<p>Ministry of the Environment (Finnish Environment Institute (SYKE)), Ministry of Transport and Communications, Ministry of Education and Culture, Ministry of Economic Affairs and Employment, Ministry of Defence, Ministry of Agriculture and Forestry, Finnish Meteorological Institute (FINMARI)</p>

Measure	Description of the measure	Objective and timeframe	Means of attaining the objective	Resources and potential funding sources	Lead organisation and key partners
			<p>Developing marine monitoring practices developed in the Baltic Sea (HELCOM) through horizontal and multinational cooperation.</p> <p>Developing the MarineFinland.fi portal's data services into a National Oceanographic Data Centre (IODC-NODC) as set out by the Intergovernmental Oceanographic Commission (IOC) of UNESCO.</p> <p>JERICO preparing for the ESFRI roadmap application in the next call in 2024.</p>		

2.1.5 Maritime Policy Action I/5. Packaging of and export support to Finnish solution competences and services

Measure	Description of the measure	Objective and timeframe	Means of attaining the objective	Resources and potential funding sources	Lead organisation and key partners
11 Developing global oil spill prevention and response	Promoting the export of Finnish oil spill prevention and response competences, particularly in cold and ice conditions.	Continuous activity.	Showcasing at international exercises and meetings Finnish oil spill prevention and response equipment and competences as well as related cooperation, particularly in the Baltic Sea. At the same time, supporting access to internationalisation for Finnish enterprises. Taking account of the Emergency Preparedness, Prevention and Response Working Group of the Arctic Council and the Arctic Coast Guard Forum (ACGF) as key forums.	As part of official duties; nationally decided and Commission EMFF funding, Business Finland, and EU Horizon Europe 2021–2027.	Ministry of the Interior, Ministry of the Environment (Finnish Environment Institute (SYKE)), Ministry of Defence
12 Reducing marine eutrophication globally	Identifying best practices relating to combating Baltic Sea eutrophication and to ecosystem-based decision-making and promoting their export to the world's other marine areas.	Continuous activity.	Disseminating information about the HELCOM Nutrient Reduction Scheme (agreement on nutrient input ceilings (NIC) combined with the Action Plan) and promoting the introduction of similar models in other territorial seas in the world. The EU Strategy for the Baltic Sea Region plays a key role for the action.	As part of official duties; Business Finland, Commission EMFF funding and EU research funding.	Ministry of the Environment, Ministry for Foreign Affairs, Ministry of Agriculture and Forestry

Measure	Description of the measure	Objective and timeframe	Means of attaining the objective	Resources and potential funding sources	Lead organisation and key partners
13 Improving the sustainability of uses of marine areas through means of maritime spatial planning	Promoting in the export of competences, knowledge and experience gained in the marine spatial planning cooperation of the Baltic Sea countries, especially as regards the coordination of blue growth and the protection of the marine environment.	Continuous activity.	<p>Showcasing marine spatial planning cooperation competences and experiences in global contexts. Playing an active role in the relevant policy sector of the EU Strategy for the Baltic Sea Region.</p> <p>Identifying the competence areas of marine spatial planning cooperation carried out with Baltic Sea countries and productising them for application in other marine regions.</p>	As part of official duties; IBA, Business Finland, EU Horizon Europe 2021–2027 and BANOS funding.	Ministry of the Environment , Ministry for Foreign Affairs, Finnish Environment Institute (SYKE), Finnish Inventory Programme for the Underwater Marine Environment (VELMU) Consortium
14 Improving global underwater marine environment mapping competences	Promoting the export of underwater marine environment mapping competences and data utilisation on the basis of experiences gained from the Finnish Inventory Programme for the Underwater Marine Environment (VELMU).	Continuous activity.	<p>Exploring opportunities for cooperation both in Finland's neighbouring areas and globally through e.g. development cooperation.</p> <p>Promoting competence exports with regard to aspects such as the development of practical mapping competences, information systems and modelling tools as well as maritime spatial planning.</p> <p>Cooperating with African partners.</p>	As part of official duties; Business Finland, Commission EMFF funding, development cooperation funding, BlueInvest.	Ministry of the Environment , Finnish Environment Institute (SYKE), Finnish Inventory Programme for the Underwater Marine Environment (VELMU) Consortium

Measure	Description of the measure	Objective and timeframe	Means of attaining the objective	Resources and potential funding sources	Lead organisation and key partners
15 Preventing oil spills and chemical accidents and developing capacity for damage prevention	<p>Developing capacity for preventing transboundary marine accidents as well as oil spills and chemical accidents and for damage prevention in close cooperation with various marine and maritime actors.</p> <p>Supporting the implementation of the Arctic Search and Rescue Agreement concluded among the Arctic Council member states and participating in support for the activities and secretariat of the Emergency Prevention, Preparedness and Response (EPPR) Working Group.</p>	<p>The authorities are capable of minimising environmental damage in case of major offshore oil spills and supporting other European authorities if necessary.</p> <p>Increasing the joint capacity of the authorities (for oil spill prevention and response).</p>	<p>Providing the responsible authorities with access to an up-to-date surface vessel and aircraft fleet and technology for response to oil spills and chemical accidents.</p> <p>Increasing command and operational preparedness for multisectoral incidents and major accidents and introducing operating models developed for this purpose.</p> <p>Participating actively in cooperation and development work within the framework of the EU Strategy for the Baltic Sea Region.</p>	<p>As part of official duties; Baltic Sea, Barents and Arctic (BBA) cooperation, nationally decided and Commission EMFF funding. EU research funding and BANOS funding.</p>	<p>Ministry of the Interior (Finnish Border Guard), Ministry of the Interior (search and rescue), Ministry of the Environment, Ministry of Defence (Finnish Navy), Finnish Transport and Communications Agency (Traficom)</p>
16 Developing new and more efficient control methods and a sanction system for the control of sulphur emissions from shipping	<p>The control of sulphur emissions from maritime transport is an important part of emission reductions and environmental monitoring. Credible control capacity and sanction system increase the risk of getting caught and encourage the use of low-emission fuels. Control of sulphur emissions must also be coordinated between the neighbouring countries throughout the Baltic Sea region in order to implement cost-efficient and comprehensive control.</p>	<p>Ensuring sufficient and up-to-date equipment for the surveillance of sulphur emissions and the efficiency of the sanctions system.</p>	<p>Providing the authorities with efficient and up-to-date solutions for aerial surveillance to detect sulphur emissions.</p> <p>Ensuring that the authorities' surveillance equipment and technology enable the performance of the surveillance duty in demanding conditions, too. Increasing the efficiency of the sanctions system by enacting an administrative sanction concerning sulphur emissions.</p>	<p>As part of official duties; nationally decided and Commission EMFF funding, Funding of research, development and innovation (RDI) activity.</p>	<p>Ministry of Transport and Communications (Finnish Transport and Communications Agency (Traficom)), Ministry of the Interior (Finnish Border Guard), Ministry of the Environment</p>

2.2 Maritime cluster, maritime logistics



2.2.1 Maritime Policy Action II/1. Promoting the preconditions for super-efficient logistics at the global level: people, goods and data move freely, safely, smoothly and cleanly, Action II/4. Supporting the development of economic ecosystems in logistics, Action II/5. Making the Baltic Sea an international test bed area for autonomic maritime transport to promote the development of maritime transport, Action II/6. Creating stable and predictable operating conditions and Action II/7. Promoting digitalisation in the logistics chain.

Measure	Description of measure	Objective and timeframe	Means of attaining the objective	Resources	Lead organisation and key partners
17 Promoting digitalisation in the logistics chain	<p>In the Logistics Digitalisation Strategy and the related Government Resolution, determining the vision, objectives and measures for the promotion of digitalisation in logistics, including maritime logistics.</p> <p>Currently under preparation, the Government Resolution on the digitalisation of logistics will outline the key Government measures to attain the objectives set in the strategy.</p>	<p>Implementing the Government Resolution on the digitalisation of logistics. The effectiveness objectives comprise the climate benefits as well as the functionality, efficiency, safety and security of transport chains achieved through digitalisation. The preliminary vision for 2032 covers equal and efficient transport chains, data flows in national and international corridors and nodes such as ports, and reduced logistics emissions through optimisation, greater efficiency and streamlining of transports.</p>	<p>Implementing the eFTI Regulation.</p>	<p>As part of official duties.</p>	<p>Ministry of Transport and Communications, Ministry of Economic Affairs and Employment, Business Finland, enterprises, ports</p>
18 Improving exchange of port information	<p>The eMSW project concerning the exchange of port information, such as arrival and departure times, declaration and reporting formalities required by legislation, communication between port actors and digitalisation.</p>	<p>The project is due for completion in 2025.</p>	<p>The Ministry of Transport and Communications coordinates the arrival and departure times network of the maritime cluster, which supports the implementation of the project.</p>	<p>As part of official duties.</p>	<p>Ministry of Transport and Communications, ports</p>

Measure	Description of measure	Objective and timeframe	Means of attaining the objective	Resources	Lead organisation and key partners
	The Ministry of Transport and Communications will draft the national legislative amendments required and lead the system project directed by the Finnish Transport and Communications Agency (Traficom). The project makes preparations for the implementation of EU Regulation (EU) 2019/1239 establishing a European Maritime Single Window environment by reforming the current PortNet system in accordance with the requirements set by the Regulation and by developing broader exchange of port information.		The Ministry of Transport and Communications will draft the national legislative amendments required and lead the system project directed by the Finnish Transport and Communications Agency (Traficom). In addition, network cooperation will be utilised.		
19 Formulating an action plan for legislation and key measures of transport automation	Taking the entire transport system, incl. shipping, into account in the strategy. Subcategories of measures under the strategy: exploitation of information, digital and physical infrastructure required for automation, automation development of means of transport, increasing significance of traffic control and management services and other transport nodes, legal issues and regulation, support for trials and pilots, and impact assessments and indicators.	A Government Resolution is being prepared on the basis of the action plan on legislation and key measures for the development of transport automation.	Developing and introducing the intelligent fairways concept (incl. digital information and information exchange management model, digital infrastructure and smart aids to navigation). Influencing standardisation and the introduction of uniform interfaces. Responsibly expanding the use of data collected by vessels.	As part of official duties; Business Finland, CEF and other EU instruments.	Ministry of Transport and Communications, Ministry of Economic Affairs and Employment, Ministry of the Interior, other ministries, Business Finland, One Sea ecosystem

Measure	Description of measure	Objective and timeframe	Means of attaining the objective	Resources	Lead organisation and key partners
	<p>The effectiveness objective is automation with broad safety and security (incl. cybersecurity) and high operational reliability and efficiency, i.e. economically, ecologically and socially sustainable automation.</p>		<p>Developing the dynamism of information (inc. situational picture and navigation data) and related responsibilities.</p> <p>Incentives for exchange of information that emphasise reciprocity and responsibility.</p> <p>National and EU funding supporting the dual transition.</p> <p>Organisation of the introduction of new technology solutions.</p> <p>Closer cooperation between the Vessel Traffic Service (VTS) and ports.</p> <p>Duties and roles of the Traffic Management Company Finntraffic in e.g. information exchange.</p> <p>Legislative framework, including definitions and responsibilities, IMO, EU and national legislation, ethics of artificial intelligence, performance capacity criteria, information exchange, approval and supervision.</p>		

2.2.2 Maritime Policy Action II/2. Promoting low-emissions operation

Measure	Description of measure	Objective and timeframe	Means of attaining the objective	Resources	Lead organisation and key partners
20 Implementing the Government Resolution on the Reduction of Emissions from Maritime and Inland Waterway Transport		Low-emissions and, ultimately, emission-free maritime transport in line with the IMO targets for 2030 and 2050.	Means and measures outlined in the Government Resolution.	As part of official duties; Government's analysis, assessment and research activities (VN TEAS).	Ministry of Transport and Communications
21 Influencing the targets and measures of the International Maritime Organization (IMO) for reductions in greenhouse gas emissions from international maritime transport	Supporting in the IMO the introduction of more ambitious greenhouse gas (GHG) emission reduction targets for international maritime transport in the update to the IMO Greenhouse Gas Strategy. Supporting ambitious GHG emission reduction measures to reach the targets, taking account of winter navigation.	Deciding on the IMO GHG Strategy in 2023, deciding on global Market-based Measures (MBMs) for emission reduction and other potential medium-term emission reduction measures in 2023–2030.	Active influencing in the IMO together with other ambitious countries.	As part of official duties.	Ministry of Transport and Communications, Finnish Transport and Communications Agency (Traficom)
22 Influencing EU-wide targets and methods for reductions in greenhouse gas emissions from maritime transport	Influencing EU decision-making on emissions trading in maritime transport, taking account of winter navigation and Baltic short sea shipping.	Continuous activity.	Active influencing on EU legislation. Playing an active role in the implementation of the EU Strategy for the Baltic Sea Region.	As part of official duties; CEF, Horizon Europe.	Ministry of Transport and Communications, (Finnish Transport and Communications Agency (Traficom)), Ministry of the Environment, Ministry for Foreign Affairs, Ministry of Economic Affairs and Employment

Measure	Description of measure	Objective and timeframe	Means of attaining the objective	Resources	Lead organisation and key partners
	<p>Influencing measures to promote demand for and supply of alternative fuels and propulsion systems for maritime transport in the EU.</p> <p>Influencing measures to reduce emissions from maritime transport in ports.</p>				
23 Influencing Baltic Sea-wide objectives and methods for reducing environmental loading from shipping	<p>The Baltic Marine Environment Protection Commission (HELCOM) also focuses on the effective implementation of international regulation of maritime transport emissions in the Baltic Sea. Finland plays an active role in the HELCOM Working Groups and facilitates a transition to alternative fuels and green technology in the Baltic Sea.</p> <p>In the cooperation context, highlighting the potential offered by the bioeconomy and the circular economy.</p>	Continuous activity.	Active influencing in HELCOM and on the implementation of the EU Strategy for the Baltic Sea Region.	As part of official duties.	Ministry of Transport and Communications , Finnish Transport and Communications Agency (Traficom), Ministry of the Environment, Ministry for Foreign Affairs
24 Influencing Nordic-wide objectives and methods for reducing environmental loading from shipping	<p>The Nordic Council of Ministers coordinates and finances projects relating to sustainable maritime transport in which Finland is included.</p> <p>In the cooperation context, highlighting the potential offered by the bioeconomy and the circular economy.</p>	Continuous activity. Finland focuses on the alternative fuels project coordinated by Norway.	Active influencing in Nordic cooperation.	As part of official duties, project funding from Nordic Council of Ministers.	Ministry of Transport and Communications , Finnish Transport and Communications Agency (Traficom), Ministry of the Environment, Ministry of Economic Affairs and Employment

2.2.3 Maritime Policy Action II/3. Guaranteeing security of supply and safe and smooth logistics in all conditions

Measure	Description of measure	Objective and timeframe	Means of attaining the objective	Resources	Lead organisation and key partners
25 Guaranteeing security of supply and safe and smooth logistics in all conditions	<p>Securing the availability of and developing up-to-date and extensive maritime situational picture and situational awareness to support Vessel Traffic Control (VTC).</p> <p>Securing the prerequisites for winter navigation, taking account of its special requirements, including when influencing international regulation, and ensuring competence development.</p> <p>Securing and developing the up-to-dateness and usability of fairways and port structures.</p> <p>Securing the availability of the domestic tonnage required for maintaining security of supply.</p> <p>Promoting cooperation between states and authorities in developing situational awareness and closer cooperation with companies to use new technologies.</p> <p>Preparing for cybersecurity threats and ensuring capabilities also in abnormal situations.</p>		<p>An amendment to chapter 1 of the Maritime Act allowing parallel registration of vessels on a case-by-case basis entered into force on 1 July 2021 by Act 544/2021. This allows parallel bareboat registration of vessels in cases where a foreign vessel is chartered to Finland under a bareboat chartering agreement while the ownership registration remains in another state.</p> <p>Logistics actors' own measures.</p>	<p>As part of official duties; Business Finland development support and programmes, and other discretionary government grants. The National Emergency Supply Agency's Logistics 2030 and Digital Security 2030 programmes.</p>	<p>Ministry of Transport and Communications, Ministry of Employment and the Economy, Ministry of Defence, National Emergency Supply Agency, logistics actors</p>

Measure	Description of measure	Objective and timeframe	Means of attaining the objective	Resources	Lead organisation and key partners
26 Improving the safety of maritime transport	Safe maritime transport is a broad entity consisting of both the prevention of accidents and preparedness for their impacts. As regards preparedness for the impacts of accidents and minimising their consequences, key development areas include an internationally compatible maritime search and rescue system and system to prevent environmental damage. Improving the (GPS) interference tolerance of navigation systems is also of key importance.	Reducing the number of maritime accidents.	Improving maritime surveillance capacity and information sharing both nationally and internationally by fully deploying the Common Information Sharing Environment (CISE) service of the European Maritime Safety Agency (EMSA). Practical exercises conducted with neighbouring countries to confirm joint operating models. Policy Area (PA) Safe of the EU Strategy for the Baltic Sea Region.	As part of official duties; EMFF funding decided nationally.	Ministry of the Interior , Ministry of Transport and Communications (Finnish Transport Infrastructure Agency, Finnish Transport and Communications Agency (Traficom)), Ministry of Defence (Finnish Navy), Ministry for Foreign Affairs

2.3 Maritime cluster, marine industry



2.3.1 Maritime Policy Action III/1. Exercising influence in developing the conditions and ground rules for fair competition in internationally significant forums (IMO, WTO, OECD) and in the EU

Measure	Description of the measure	Objective and timeframe	Means of attaining the objective	Resources	Lead organisation and key partners
27 Formulating a development programme for the marine industry	Formulating a development programme for the marine industry, compiling current measures and enterprise services, ensuring their appropriateness and, if necessary, launching supplementary measures to respond to reform needs in the sector.	The programme plan is due for completion in early 2022. The aim is a broad-based and internationally competitive marine industry ecosystem.	To be specified during the programme formulation process.	As part of official duties.	Ministry of Economic Affairs and Employment , Business Finland, Finnvera
28 Influencing the development of the EU and international operating environment of shipbuilding	Finland plays an active role in the EU and, together with other EU Member States, in the OECD (especially WP6 Shipbuilding) to develop a level playing field in the international operating environment of the shipbuilding industry.	Making unfair state aid visible and subject to international regulation (e.g. WTO). Continuous activity.	Active participation in cooperation. WP6 Bureau membership.	As part of official duties.	Ministry of Economic Affairs and Employment

2.3.2 Maritime Policy Action III/2. Developing the operating environment of the maritime cluster and supporting the cluster in utilising global opportunities, and Action II/5. Making the Baltic Sea an international test bed area for autonomic maritime transport to promote the development of maritime transport

Measure	Description of the measure	Objective and timeframe	Means of attaining the objective	Resources	Lead organisation and key partners
29 Creating a platform for the development and testing of efficient, safe and sustainable shipping	<p>Creating an area where autonomous vessels can be tested and piloted among regular traffic. Taking account of transport system-level multimodality needs in the development of the area.</p> <p>Building the operating model for the area through transnational public-private partnerships (PPP).</p> <p>The test-bedding will provide enterprises with broader access to piloting and references as well as a springboard for elsewhere in the world, making them more competitive in the global market.</p>	<p>Objective 1. Creating the prerequisites for the test bed area concept and intelligent fairways as part of the action plan for key measures and legislation for transport automation.</p> <p>Objective 2. Supporting the creation of cooperation between enterprises, authorities and researchers as well as digital and physical infrastructure in the test bed area.</p> <p>Objective 3. Getting international partners on board.</p> <p>Objective 4. Improving enterprise competitiveness in the global market.</p> <p>Ensuring funding with an emphasis on transport system-level pilots for maximum effectiveness, e.g. the Helsinki–Tallinn pilot and other pilots to be specified.</p>	<ul style="list-style-type: none"> • Technology trials and challenging transport system-level pilots • simulator procurements • development and implementation projects for the necessary physical and digital infrastructure (primarily on market terms) • information exchange • cooperation between authorities • influencing as part of official duties • PPP projects to develop regulation, standardisation and specification <p>Innovative public procurement for technology development</p> <p>Funding for technology deployment e.g. on board vessels and in ports.</p>	<p>As part of official duties; Business Finland, CEF, Horizon Europe funding, EUSBSR funding.</p> <p>Funding to be specified further in conjunction with the Government Resolution on the automation plan of the Ministry of Transport and Communications.</p>	<p>Ministry of Economic Affairs and Employment, Ministry of Transport and Communications, Ministry of the Interior, Ministry of Defence, Ministry for Foreign Affairs, Business Finland, enterprises</p>

2.3.3 Maritime Policy Action III/3. Supporting companies in the maritime cluster to cooperate, reinvent themselves and develop innovations

Measure	Description of the measure	Objective and timeframe	Means of attaining the objective	Resources	Lead organisation and key partners
30 Supporting the creation of an ecosystem of designers, builders and modernisers of tried-and-tested vessel solutions	<p>Ensuring Finnish design, building and testing of vessel solutions for which there is demand and which meet current and upcoming, health, safety, efficiency and circular economy requirements.</p> <p>To find solutions, supporting open-minded cooperation also between industries, research groups and talents.</p>	<p>Through cooperation, producing new commercial solutions that promote safety and health, are digital and low in carbon emissions.</p>	<p>Development projects.</p> <p>Cooperation between enterprises and between enterprises and research institutes.</p>	<p>Business Finland programmes (e.g. Smart Mobility and Sustainable Manufacturing, but also other programmes) and Artificial Intelligence 4.0 strategy.</p>	<p>Ministry of Economic Affairs and Employment, Business Finland, enterprises, research institutes, higher education institutions</p>
31 Ensuring the availability of services and funding supporting maritime cluster growth and internationalisation	<p>Providing services that support the growth and internationalisation of enterprises.</p> <p>Supporting the development of partnership networks and identification of new customer segments.</p>	<p>The global competitiveness of the maritime cluster will improve, which will be reflected in increased exports and a higher employment rate.</p> <p>Exports will increase.</p>	<p>Enterprise development services and funding</p> <p>Export promotion</p> <p>Development projects</p> <p>Public procurement</p>	<p>Services of Business Finland, new service model for internationalisation funding, Centres for Economic Development, Transport and the Environment (ELY Centres) funding, Finnvera financing and guarantees.</p>	<p>Ministry of Economic Affairs and Employment, Ministry of the Environment, Ministry of Transport and Communications, Ministry for Foreign Affairs, Business Finland, Finnvera, Team Finland</p>
32 Strengthening special competences in shipbuilding and its exports	<p>Ensuring the development of special competences, such as shipbuilding for cold conditions, passenger ship construction and environmental technology in Finland and promoting the sector's exports.</p> <p>Developing circular economy competence in shipbuilding.</p>	<p>Finnish special competence is an excellent fit to national needs.</p> <p>There is international demand for Finnish solutions.</p>	<p>Research and development projects</p> <p>Public procurement</p> <p>National and international cooperation between authorities</p>	<p>Business Finland programmes, cooperation between authorities, the State Budget in the context of public procurement.</p>	<p>Ministry of Economic Affairs and Employment, Ministry for Foreign Affairs, Ministry of Defence, Ministry of the Interior, Business Finland</p>

Measure	Description of the measure	Objective and timeframe	Means of attaining the objective	Resources	Lead organisation and key partners
33 Improving materials recycling in the shipbuilding industry	Developing the circular economy in shipbuilding. Taking circular economy design principles into account in vessel design, i.e. taking account of vessel maintenance, upgrading, reuse and, ultimately, recycling of the various components, and materials knowledge, including pollutants, during the design phase.	<p>The aim is a materials-neutral shipbuilding industry.</p> <p>The aim is part of low-carbon measures and implements activities determined in the Directive.</p> <p>The aim is to modernise and develop new business activities in vessel maintenance, refitting and recycling.</p>	<p>Developing RDI in the ecosystem and entire value chain.</p> <p>Implementing a trial project.</p>	Ecosystem funding of Business Finland.	Ministry of Economic Affairs and Employment , Business Finland, Ministry of the Environment, enterprises
34 Making use of vessel procurement to support marine industry growth	<p>Ensuring that central government vessel procurement supports the growth of Finnish enterprises and their recovery from the COVID-19 crisis.</p> <p>The procurement of various multi-role vessels can promote objectives relating to national competence development, technological innovations, environmental values and “cold-how” as well as Finnish maritime cluster growth.</p>	<p>Procurements can be used for broad-scale support for Finnish innovations and new ways of doing things, through which new markets can be created and Finnish industrial exports boosted.</p>	<p>Procurement of state-owned vessels.</p> <p>Tapping into existing strengths.</p>	State Budget.	Ministry of Economic Affairs and Employment , Ministry of the Interior, Ministry of Defence

2.3.4 Maritime Policy Action III/4. Developing measures to ensure the availability of competent workforce

Measure	Description of the measure	Objective and timeframe	Means of attaining the objective	Resources	Lead organisation and key partners
35 Training and attracting talents to the marine industry and maritime transport	<p>Implementing a programme targeted to respond to the demand for talent in the marine industry, taking account in particular of the need for multisectoral cooperation in the marine industry, including winter navigation.</p> <p>Higher education institutions play a significant role in the identification and targeting of education and training.</p> <p>Developing enterprise cooperation and enterprise capacity for internationalisation in order to provide improved access for foreign students to employment.</p>	<p>More applicants to marine industry education and training</p> <p>More multisector marine industry students</p> <p>Better access for foreign students to employment in Finland</p> <p>Recruiting foreign talents and students to Finland through the marine industry TalentBoost campaign</p>	<p>Communication campaigns</p> <p>TalentBoost programme</p> <p>Developing/marketing marine industry competence modules</p> <p>Developing cooperation between education and training providers and higher education institutions and the marine industry: e.g. hiring international students, and the Tech Summer Trainee programme.</p>	TalentBoost expansion (Smart Manufacturing programme, Business Finland).	<p>Ministry of Economic Affairs and Employment,</p> <p>Ministry of Education and Culture, Finnish National Agency for Education, Business Finland, Centres for Economic Development, Transport and the Environment (ELY Centres), enterprises, educational institutions, higher education institutions, Finnish Marine Industries</p>

2.3.5 Maritime Policy Action III/5. Safeguarding the availability of critical defence technology in all conditions

Measure	Description of the measure	Objective and timeframe	Means of attaining the objective	Resources	Lead organisation and key partners
36 Safeguarding the availability of critical defence technology	<p>Ensuring that competences and capacities relating to critical technology are preserved and increase in Finland.</p> <p>Developing industrial and technological competences to maintain and modify critical systems and to ensure their independent use in Finland.</p>		<p>Industrial cooperation relating to defence materiel procurement.</p> <p>Ensuring a national financial base to safeguard activities as well as research and development (industry, strategic partners, research communities). The security of supply perspective plays a key role in preparedness. The aim should be to formulate a national strategy.</p>	As part of official duties.	<p>Ministry of Defence, Ministry of Economic Affairs and Employment, Ministry for Foreign Affairs, Prime Minister's Office</p>

2.4 Marine production



2.4.1 Maritime Policy Action IV/1. Developing sustainable aquaculture production in the global context

Measure	Description of the measure	Objective and timeframe	Means of attaining the objective	Resources	Lead organisation and key partners
37 Promoting sustainable aquaculture production	<p>Trying out bold initiatives, such as new species (incl. algae) and new technologies, production symbiosis trials with industry to promote the circular economy, and orientation to the global market.</p> <p>Exporting in a target-oriented manner a model for promoting sustainable aquaculture that is packaged from high-quality competence, good governance and service and technology exports.</p> <p>Exploring aquaculture licencing models promoting sustainability as well as opportunities for scaling up.</p>	<p>Launch over the short term and development over the long term.</p> <p>Aiming to reduce emissions per kilogramme produced.</p>	<p>Promoting circular economy solutions and developing incentives for aquaculture so that sustainable growth is enabled by measures reducing environmental impacts such as nutrient load.</p> <p>Targeting basic research to also serve new/previously untried innovations and visions.</p> <p>Promoting dialogue between public and private sectors (PPP) as well as target-oriented cooperation through practical operating models.</p> <p>To improve the predictability of the licencing system, in the application process for environmental licences, applying modelling and methods for the assessment of environmental impacts of marine activity that are open, mutually agreed and based on research.</p>	EMFF funding decided nationally, funding from Business Finland for R&D measures and export promotion.	Ministry of Agriculture and Forestry , Ministry of Economic Affairs and Employment, Ministry of the Environment, Finnish Environment Institute (SYKE)

Measure	Description of the measure	Objective and timeframe	Means of attaining the objective	Resources	Lead organisation and key partners
38 Safeguarding the continuity of coastal and offshore fishing	Developing the basic conditions for technological solutions, funding solutions and operating models. Improving self-sufficiency and promoting sustainable fishing by strengthening fish stocks, reducing environmental impacts and combating illegal fishing.	Continuous activity.	Programme to promote domestic fish and closer cooperation in the fisheries value chain and trade.	EMFF funding decided nationally.	Ministry of Agriculture and Forestry

2.4.2 Maritime Policy Action IV/2. Investing in research and development measures

Measure	Description of the measure	Objective and timeframe	Means of attaining the objective	Resources	Lead organisation and key partners
39 Promoting goal-oriented research and development between public and private sector in fisheries	Speeding up innovations and circular economy solutions required by sustainable growth through goal-oriented cooperation between the public and private sector and promoting international cooperation and efforts to intensify it.	Launch over the short term and development over the long term.	Continuing and further developing the aquaculture innovation model based on the private-public partnership (PPP) model.	EMFF funding decided nationally, ecosystem funding from Business Finland.	Ministry of Agriculture and Forestry , Ministry of Economic Affairs and Employment, Ministry of Education and Culture, Ministry of the Environment
40 Launching the identification of marine biotechnology opportunities, competence development and foresight research relating to utilisation	Promoting the utilisation of fish, aquatic plants and algae as high value-added products. Seeking to isolate high value-added products (such as medicinal substances and food applications) from fish industry side streams or underexploited fish resources (e.g. cyprinids and the Baltic herring).	Launch over the short term and development over the long term.	Orientation of basic and applied research. Continuing the joint private-public sector innovation programme for high value-added fish.	Basic research funding, EMFF funding decided nationally, Government's analysis, assessment and research activities (VN TEAS), Strategic Research Council (SRC).	Ministry of Agriculture and Forestry , Ministry of Economic Affairs and Employment, Ministry of Education and Culture, Ministry of the Environment, Finnish Environment Institute (SYKE)

2.4.3 Maritime Policy Action IV/3. Energy production

Measure	Description of the measure	Objective and timeframe	Means of attaining the objective	Resources	Lead organisation and key partners
41 Promoting the prerequisites for building marine energy production and coordinating it with territorial surveillance	The need for electricity production based on renewable energy sources is growing continuously. The profitability of offshore wind farms in particular has improved in recent years. Ensuring that marine energy is produced in an ecological, low-carbon and energy-efficient manner. Coordinating already in the planning phase the construction of offshore wind installations and statutory territorial surveillance, ensuring the capacities for territorial surveillance (maritime and aerial surveillance) as well as fairway use and traffic management.	Launch over the short term and development over the long term	<p>Taking into account in maritime spatial planning, and mapping in cooperation, those areas where wind power objectives and territorial surveillance requirements can be coordinated in the most appropriate manner.</p> <p>Improving the conditions for the construction of offshore wind installations by measures including the development of administrative processes to make sure they are clear, transparent and equal and guarantee sufficient investment certainty for project developers.</p>	<p>As part of official duties.</p> <p>Assessing the resourcing of any infrastructure projects specifically for each case.</p>	<p>Ministry of Economic Affairs and Employment, Ministry of Defence + Finnish Defence Forces, Ministry of the Environment, Ministry of Agriculture and Forestry and Ministry of Transport and Communications (Finnish Transport and Communications Agency (Traficom)), Regional Councils</p>

2.4.4 Maritime Policy Action 4. Sustainable recreational use of oceans and seas and tourism

Measure	Description of the measure	Objective and timeframe	Means of attaining the objective	Resources	Lead organisation and key partners
42 Developing sustainable marine tourism and recreational use of marine areas	<p>Promoting enterprise networking for the development of more extensive service packages. Utilising in service packages features including archipelago and coastal culture, national parks and special characteristics of the aquatic environment, taking into account the preservation of underwater cultural heritage and its sustainable utilisation in tourism.</p> <p>Encouraging tourism entrepreneurs to obtain training and develop their activities towards increased sustainability (e.g. Sustainable Travel Finland).</p>	<p>Launch over the short term and development over the long term.</p> <p>Sustainable marine tourism and recreational use increase (indicators: numbers of overnight stays, visitors to marine national parks, users of the Sustainable Travel Finland label).</p>	Taking the objective into account in national and regional tourism measures.	State Budget, Business Finland / Visit Finland, any projects co-funded by the EU.	<p>Ministry of Economic Affairs and Employment, Ministry of the Environment, Ministry of Agriculture and Forestry, Business Finland / Visit Finland, Regional Councils</p>

Measure	Description of the measure	Objective and timeframe	Means of attaining the objective	Resources	Lead organisation and key partners
43 Improving the accessibility of tourism services in coastal and archipelago areas and digitalising travel chains	<p>Further developing archipelago transport, taking account of environmental requirements, safety and the needs of the various user groups. Improving the accessibility of the archipelago for user groups who do not have cars and boats. Improving the functioning of telecommunications and telephone connections in the archipelago and enabling the creation of well-functioning travel chains.</p> <p>Developing globally scalable digital services for travel chains.</p>	<p>Launch over the short term and development over the long term.</p> <p>Accessibility and travel chains improve, digitality increases (indicators: development of travel times to destinations, quantity of digital services).</p>	Taking the objective into account in measures in the administrative branch of the Ministry of Transport and Communications.	State Budget, any projects co-funded by the EU.	Ministry of Economic Affairs and Employment , Ministry of Transport and Communications, Ministry of Agriculture and Forestry (Island Committee), Centres for Economic Development, Transport and the Environment (ELY Centres), Regional Councils, municipalities
44 Encouraging international tourism cooperation and project activity	<p>Encouraging Finnish actors in international joint projects to develop cultural routes, share best practices and competences in the Baltic Sea region and create joint products.</p> <p>Encouraging actors to make use of information and recommendations produced by international studies.</p> <p>Developing cooperation between education and training providers and higher education institutions and tourism employment.</p>	<p>Increases in international tourism cooperation (indicator: number of international projects).</p> <p>Launch over the short term and development over the long term.</p>	Taking the objective into account in national and regional tourism measures. Developing cooperation between education and training providers and higher education institutions and tourism employment.	As part of official duties; State Budget, Business Finland (Visit Finland), any projects co-funded by the EU.	Ministry of Economic Affairs and Employment , Ministry of Education and Culture, Business Finland (Visit Finland)

3 The composition of the steering group responsible for preparing the action plan

On 10 January 2020, the Prime Minister's Office appointed a steering group to prepare an action plan for maritime policy and to coordinate maritime policy at the national level.

The steering group was chaired by State Secretary to the Prime Minister Mikko Koskinen until 18 January 2021, after which State Secretary to the Prime Minister Henrik Haapajärvi (Prime Minister's Office) became chair. Senior Ministerial Adviser Jussi Soramäki (Prime Minister's Office) serves as vice-chair. **The following members have been appointed to the steering group:** Ambassador for Baltic Sea Affairs Helena Tuuri (Ministry for Foreign Affairs), Commander Tomi Kivenjuuri until 15 August 2020, followed by Lieutenant Commander Mikko Hirvi until 9 August 2021, Border Management Specialist Valtteri Viitala (Ministry of the Interior) as of 1 March 2022, Senior Staff Officer Ville Suominen until 10 November 2020, followed by Senior Staff Officer Toni Joutsia until 22 March 2022, followed by Senior Staff Officer Matti Sirkkola (Ministry of Defence), Senior Ministerial Adviser Armi Liinamaa (Ministry of Finance), Senior Ministerial Adviser Tarmo Mykkänen (Ministry of Education and Culture) until 1 December 2021, Ministerial Adviser Heikki Lehtinen (Ministry of Agriculture and Forestry), Ministerial Adviser Eero Hokkanen (Ministry of Transport and Communications), Chief Specialist Anita Silanterä (Ministry of Economic Affairs and Employment) and Senior Ministerial Adviser Sara Viljanen (Ministry of the Environment).

The following deputy members have been appointed to the steering group: Senior Ministerial Adviser Virpi Laukkanen until 16 November 2020, followed by Senior Ministerial Adviser Tiina Ranne (Ministry for Foreign Affairs), Deputy Director General Juha Vuolle (Ministry of the Interior), Senior Staff Officer Toni Joutsia until 10 November 2020, followed by Senior Staff Officer Matti Sirkkola until 22 March 2022, Senior Specialist Pasi Pajunen (Ministry of Defence), Senior Ministerial Adviser Kati Jussila (Ministry of Finance), Ministerial Adviser Timo Halonen (Ministry of Agriculture and Forestry), Coordinator Ville Rinkineva until 10 August 2020, followed by Ministerial Adviser Niina Honkasalo (Ministry of Transport and Communications), Ministerial Adviser Natalia Härkin (Ministry of Economic Affairs and Employment) and Senior Specialist Vilja Klemola (Ministry of the Environment) until 30 September 2020.

The **secretaries** of the steering group are Senior Ministerial Adviser Jussi Soramäki (Prime Minister's Office), Project Coordinator Heikki Kontro until 10 November 2020, followed by Project Coordinator Emma Borg until 14 March 2022 (Prime Minister's Office).

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