



## **The Norwegian Development Programme to Combat Marine Litter and Microplastics**

In 2018, the Norwegian government launched a new development programme to combat marine litter and microplastics. The programme is intended to contribute to Sustainable Development Goal (SDG) 14.1 which states that by 2025, the world should prevent and significantly reduce marine pollution of all kinds.

At the third UN World Environmental Assembly (UNEA 3) in 2017, the world's environmental ministers agreed on a vision to eliminate the discharge of litter and microplastics to the oceans over time. The Norwegian Development Programme will follow-up that vision through concrete initiatives. The UN's Environmental Assembly also called for enhanced funding to combat marine litter at a global level.

The Government of Norway will spend 1,6 billion NOK (approx. 200 mill. USD) on the development programme to combat marine litter and microplastics in the period 2019 to 2022.

### **Objective**

The main objective of the Norwegian development programme to combat marine litter and microplastics is to prevent and greatly reduce the extent of marine litter from large sources in developing countries.

To achieve this, funding is set to focus on four outcomes:

- 1) Management of plastic waste in partner countries is improved.
- 2) Selected coastal areas and rivers are cleared of waste and the waste is sustainably managed.
- 3) Private sector performance regarding sustainable production and use, and responsible waste management, is improved.
- 4) Global commitments and national and regional instruments to prevent marine litter are strengthened.

### **Which projects are supported, and who are implementing them?**

In 2019, about NOK 236 mill. (26 mill. USD) were disbursed to 34 projects. Among recipients are multilateral organisations as the UN and the World Bank, non-governmental organisations (NGOs) and research institutes. Most of these work with governments, the private sector, civil society organisations and/or local populations. A list of all the organisations receiving support, together with a short description of the projects, can be found further down.

Norway supports several different initiatives through these organisations. Contributing to the creation and development of land-based waste management systems is highly prioritised as sound waste management is the most important measure to reduce the supply of litter to the ocean. Funding is also provided for research which will give knowledge that can contribute to finding solutions to the problem. Furthermore, it is important to support initiatives that contribute to increased awareness about marine litter. Actors with the required technical expertise contribute with training, knowledge exchange and technology transfer. Some initiatives focus on innovation, development of new technology and sustainable products. Other actors receive support to influence and advise on government policies, regulations and action plans. Norway also supports processes to



achieve stronger international commitments and agreements to prevent marine litter. Beach clean-ups and other clean-up activities are supported in some cases, and particularly where they can help contribute to increased awareness raising.

### Where are the projects implemented?

The focus is on populous and economically fast-growing countries in Asia with long coastlines. This is where the problem of marine litter is the greatest. In addition, preventative measures are directed towards countries with rapidly growing economies in Africa. Small developing island states also receive support for projects to strengthen waste management systems and for clean-ups along the shoreline.

- Marine litter originates from many different activities and consists of many different types of litter. Land-based waste constitutes the largest source of marine litter. Plastics makes out the largest share of land-based waste. The characteristics of plastic cause it to break down more slowly than cardboard, paper, wood, metal and other materials. It is these characteristics that make it an environmental problem when it goes astray.
- According to the United Nations Environmental Programme (UNEP), around 280 million tonnes are produced globally every year, and production increases by around five per cent per year.
- It is estimated that 8 million tonnes of plastic end up in the ocean each year. This corresponds to 15 tonnes of plastics per minute.
- More than half of the plastic waste that ends up in the ocean is estimated to originate from a few countries in southeast Asia.
- The United Nations Environmental Assembly is the supreme and governing body of UNEP and meets every other year. Here, the world's environment ministers meet to agree on joint initiatives and declarations related to international environmental issues.
- The United Nations Environmental Assembly has adopted four resolutions on marine litter and microplastics. These resolutions emphasise that improved waste management and waste prevention are key to combating marine litter and must be given top priority.
- Through these resolutions, it is also agreed that the world must eliminate emissions of waste and microplastics to the sea (the zero vision). As of today, there is no global environmental agreement to deal with marine litter in a comprehensive manner.
- Norway is working for stronger global commitments to prevent and reduce marine litter.



Photo: Bo Eide



**Table Overview of Projects Supported by the Norwegian Development Programme to Combat Marine Litter and Microplastics**

Project	Organization	Time Frame	Amount (NOK)	Geographical Area	Objectives	Contact Details
<b>Plastic Waste Free Islands</b>	IUCN	3 years, Dec 2018 to Dec 2021.	61 000 000	St Lucia, Grenada and Antigua and Barbuda in the Caribbean, and Fiji, Vanuatu and Samoa in the Pacific. More island states can later be considered	Reduce the amount of plastic litter produced and, at the same time improve waste management in general. Specific measures will be prepared for each of the three sectors, fisheries, tourism and waste management. Emphasis will be placed on recycling and alternative use of plastic waste and to develop businesses based on this	Minna Epps: <a href="mailto:Minna.Epps@iucn.org">Minna.Epps@iucn.org</a>  Joao Sousa: <a href="mailto:Joao.Sousa@iucn.org">Joao.Sousa@iucn.org</a>  Support administered by Norad
<b>Ocean Plastic Turned into an Opportunity in Circular Economy (OPTOCE)</b>	SINTEF	3 years, Dec 2018 to Dec 2021.	45 885 720	China, India, Myanmar, Vietnam and Thailand	With the help of public-private partnerships, litter shall be collected from polluted land areas (hotspots), larger rivers and beaches. Experiments will be carried out where non-recyclable materials will be energy-recovered and replace other energy sources such as coal. Cement ovens, ("kilns") which provide the most combustion, will be preferred This kind of practice will increase the handling capacity for litter, and	Kåre Helge Karstensen: <a href="mailto:Kare.H.Karstensen@sintef.no">Kare.H.Karstensen@sintef.no</a>  Support administered by Norad



					reduce the need for landfills and regular incineration, reducing the consumption of fossil fuels and the emission of greenhouse gases. Lessons learned from the project will be shared through a regional forum	
<b>Sound management, prevention and minimization of plastic waste</b>	Secretariat of the Basel, Rotterdam and Stockholm (BRS) Conventions	2 years, Dec 2018 to Dec 2020	15 000 000	Bangladesh and Ghana	Prevent, and significantly reduce marine litter and microplastics from sources in partner countries. The project has three components: 1) plastic waste crossing national borders (global trade), 2) environmentally sound management of plastic waste and 3) management of sources of plastic waste	Kei Ohno: <a href="mailto:kei.ohno-woodall@brsmeas.org">kei.ohno-woodall@brsmeas.org</a> Support administered by Norad
<b>Further actions to address plastic waste under the Basel Convention</b>	Secretariat of the Basel, Rotterdam and Stockholm (BRS) Conventions	3 years, Jan 2020 to Dec 2020	60 700 000	Global, support is provided to countries that are listed on the DAC list of ODA recipients in considerations on plastic waste under the Basel Convention	Prevent and significantly reduce marine plastic litter, including microplastics, from sources in partner countries. The project is designed to increase knowledge among decision-makers on the control of transboundary movements and environmentally sound management of plastic waste in line with the provisions, guidelines and guidance of the Basel Convention, in particular the	Kei Ohno: <a href="mailto:kei.ohno-woodall@brsmeas.org">kei.ohno-woodall@brsmeas.org</a> Frank Moser: <a href="mailto:frank.moser@brsmeas.org">frank.moser@brsmeas.org</a> Support administered by Norad



					Plastic Waste Amendment adopted at the Basel Convention COP-14	
<b>No Plastics in Nature</b>	WWF Norge	3 years, July 2018 to Dec 2021	96 440 108	Global. City projects in China, the Philippines, Indonesia, Malaysia, Vietnam, Thailand, and Hong Kong. Programme development is also being planned in Africa	To achieve no plastics in nature by 2030. At a global policy level, WWF is pushing for the adoption of a legally binding agreement to eliminate marine plastic pollution. At a corporate level, WWF works with Consumer Goods companies at global and national levels to engage businesses to solve the plastic waste issue. At a cities level, WWF aims at eliminating plastic leakage in 25 cities and initiate a global movement for Plastic Pollution Free Cities	Stefan Norris: <a href="mailto:snorris@wwf.no">snorris@wwf.no</a>  Andrew Fitzgibbon: <a href="mailto:afitzgibbon@wwf.no">afitzgibbon@wwf.no</a>  Support administered by Norad
<b>Clean Oceans through Clean Communities</b>	Avfall Norge	3 years, Dec 2018 to June 2022	39 750 000	Indonesia. Other possible countries are Vietnam, Cambodia, India + countries in Africa	Reduce emissions of plastics to the ocean through improved waste management through: Training programmes focused on system understanding and waste management plans. Support with the preparation and implementation of locally adapted waste management plans. Start-up support for projects working to increase the use of collected waste to its highest possible value.	Sigve Ånderå: <a href="mailto:sigve.andera@avfallnorge.no">sigve.andera@avfallnorge.no</a>  Support administered by Norad



					Networking for participants from different geographical areas and other relevant actors	
<b>The Nansen Programme</b>	FAO	2 years, Jan 2019 to Dec 2021	12 000 000	Along the Atlantic coast of Africa, parts of East-Africa and four countries in the Bay of Bengal	Promote knowledge on the occurrence of marine litter and microplastics in marine ecosystems in order to contribute to a better policy and practice in the area	Merete Tandstad: <a href="mailto:Merete.Tandstad@fao.org">Merete.Tandstad@fao.org</a>  Support administered by Norad
<b>The Global Environment Facility</b>	GEF	4 years, July 2018 to June 2022	40 000 000	Individual country projects and regional projects	Support projects that will avoid marine plastic from entering the ocean. The GEF intends to support projects working mostly on circular economy and more upstream in the production chain. There will also be a link to chemicals which are related to marine litter	Leah Bunce Karrer: <a href="mailto:lkarrer@thegef.org">lkarrer@thegef.org</a>  Support administered by Norad
<b>Marine Litter and Microplastics</b>	UNEP	3 years, 2019 to 2021	90 000 000	Asia, Africa and SIDS-countries	Be the custodian agency for two indicators of the first target of SDG 14 (Life Below Water), where the first of these is directly linked to marine litter, 14.1: By 2025, prevent and significantly reduce marine pollution of all kinds, in particular from land-based activities, including marine debris and nutrient pollution. This includes mapping of emerging	Heidi Savelli: <a href="mailto:heidi.savelli@un.org">heidi.savelli@un.org</a> (for marine litter)  Kati Autere: <a href="mailto:kati.autere@un.org">kati.autere@un.org</a> (for the UNEP-secretariat)  Support administered by Norad



					issues, strengthening global and regional coordination and cooperation, and assistance to member countries in their development and implementation of national policies and programmes	
<b>GRID-Arendal support 2019-2020</b>	GRID-Arendal	2 years, 2019 to 2020.	20 000 000	Global and Africa	Development and implementation of global and national policies to reduce waste and marine litter and their impact on the environment, through UNEA and the Basel Convention and various expert working groups on waste and marine litter. Regional policy development and implementation for waste water and sanitation, marine litter, and circular economy. This has a particular focus on African countries	<p>Peter Harris: <a href="mailto:peter.harris@grida.no">peter.harris@grida.no</a></p> <p>Miles Macmillan-Lawler <a href="mailto:miles.macmillan-lawler@grida.no">miles.macmillan-lawler@grida.no</a></p> <p>Support administered by Norad</p>
<b>MARINFORSK/NORGL OBAL</b>	The Research Council of Norway	3-5 years, disbursement made in 2019	20 000 000	Asia	Strengthen research knowledge on marine litter and pollution in Asia, where the challenges are greatest. Communication of research findings with relevant actors should also be provided to achieve a knowledge-based policy design, legislation and implementation of	<p>Marit Heller: <a href="mailto:mhe@forskningsradet.no">mhe@forskningsradet.no</a></p> <p>Inger-Ann Ulstein: <a href="mailto:iau@forskningsradet.no">iau@forskningsradet.no</a></p> <p>Support administered by Norad</p>



					measures that address marine pollution and littering	
<b>Marine Pollution Enforcement Project Phase II</b>	Interpol	3 years, Jan 2019 to Dec 2021	11 100 000	Coastal developing countries, with a particular focus on central origin countries of marine litter, as well as countries where marine litter is an increasing challenge	Improve sea quality by reducing marine litter and marine pollution. The project will strengthen global, regional and national law enforcement responses to prevent and reduce marine pollution crime from sea- and land-based sources. This will be achieved by strengthening investigations in developing countries, delivering capacity building and training activities, coordinating support to law enforcement operations and strengthening cooperation between countries by giving support to the Pollution Crime Enforcement Community	Lionel Try: <a href="mailto:l.try@interpol.int">l.try@interpol.int</a>  Davyth Stewart: <a href="mailto:d.stewart@interpol.int">d.stewart@interpol.int</a>  Support administered by Norad
<b>Building Support for a Binding Multilateral Agreement on Plastic Pollution in the African and Pacific Island Regions</b>	Environmental Investigation Agency (EIA) UK	1 year, Sept 2019 to June 2020	1 466 555	Africa and the Pacific Island region	Provide capacity-building support to governments in the African and Pacific Islands Regions on marine litter, microplastic, and the international process on a global agreement on marine litter	Clare Perry: <a href="mailto:ClarePerry@eia-international.org">ClarePerry@eia-international.org</a>  Support administered by Norad



<p><b>Building Partnerships to Assist Developing Countries to Address the Issue of Marine Plastic Litter from Sea-based Sources (GloLitter Partnerships)</b></p>	<p>International Maritime Organisation (IMO)/FAO</p>	<p>3.5 years, Jan 2020 to June 2023</p>	<p>40 000 000</p>	<p>30 developing countries. 10 Lead Partnering Countries and 20 Partnering Countries will be selected from Asia, Africa, Caribbean, Latin America and Pacific during the inception phase of the project (the first six months)</p>	<p>Enable developing countries to effectively implement and enforce international regulatory frameworks, as well as best practice for prevention, reduction and control of Sea Based Marine Plastic Litter (SBMPL) through capacity building, policy making, action planning, practical steps in reducing dumping of fishing gear and legislative developments</p>	<p>IMO: Jose Matheickal: <a href="mailto:JMatheic@imo.org">JMatheic@imo.org</a></p> <p>FAO: Raymon van Anrooy: Raymon.VanAnrooy@fao.org</p> <p>Support administered by Norad</p>
<p><b>Ending Plastic Pollution Innovation Challenge (EPPIC)</b></p>	<p>UNDP Viet Nam</p>	<p>2.5 years, Jan 2020 to June 2022</p>	<p>14 256 000</p>	<p>Indonesia, Philippines, Viet Nam, Thailand and Cambodia. Four countries will be selected to host innovation challenges</p>	<p>Contribute to reduction of plastic pollution in coastal areas in four ASEAN target countries initially and all ASEAN-countries in the long term, by supporting local innovations to prevent plastic from entering the ocean with one-year innovation challenges in four different countries</p>	<p>Dao Xuan Lai: <a href="mailto:dao.xuan.lai@undp.org">dao.xuan.lai@undp.org</a></p> <p>Support administered by Norad</p>
<p><b>Ocean Innovation Challenge (OIC): 1st Request for Proposals SDG 14.1 - Reducing Ocean Plastics</b></p>	<p>UNDP New York</p>	<p>January 2020 to August 2022, one</p>	<p>10 000 000</p>	<p>Global. Project proposals must be implemented in and benefit stakeholders in</p>	<p>Support countries to achieve sustainable development, in particular a healthy ocean, by eradicating poverty in all its forms and dimensions, and accelerate</p>	<p>Andrew Hudson: <a href="mailto:andrew.hudson@undp.org">andrew.hudson@undp.org</a></p> <p>Support administered by Norad</p>



<p><b>Pollution through Replicable, Scalable and Potentially Transformational Innovations</b></p>		<p>disbursement in 2020</p>		<p>countries eligible to receive official development assistance (ODA)</p>	<p>structural transformations for sustainable development and building resilience to crises and shocks. Norad will provide funds for pilot projects selected under the 1st OIC request for proposals, focusing on identifying and supporting innovative and scalable solutions to ocean challenges.</p>	
<p><b>Countering Illegal Hazardous Waste Trafficking through the UNODC-WCO Container Control Programme</b></p>	<p>United Nations Office on Drugs and Crime (UNODC)</p>	<p>April 2020 to Dec. 2023</p>	<p>16 900 000</p>	<p>Cambodia, Malaysia, the Philippines, Thailand and Vietnam</p>	<p>To improve the capacity of partner countries to detect and suppress illicit trade in hazardous waste, such as plastic and scrap waste, e-waste and chemicals. The project will include training to enhance the technical skills of customs and law enforcement officers in ports, as well as inter-agency cooperation.</p>	<p>Ketil Ottersen: <a href="mailto:ketil.ottersen@un.org">ketil.ottersen@un.org</a></p> <p>Anne Linn Jensen: <a href="mailto:anne.linn.jensen@un.org">anne.linn.jensen@un.org</a></p> <p>Norbert Steilen: <a href="mailto:norbert.steilen@wcoomd.org">norbert.steilen@wcoomd.org</a></p> <p>Support administered by Norad</p>
<p><b>PROBLUE</b></p>	<p>World Bank</p>	<p>7 years, 2019 to 2026</p>	<p>110 000 000</p>	<p>Global impact area, but will focus on East Asia, South Asia, Africa and Small Island Developing States (SIDS).</p>	<p>Prevent and reduce marine litter and pollution, as well as contribute to the rehabilitation of coastal and marine ecosystems. (Pillar 2 of the fund.) This will be accomplished through knowledge development and sharing, country-level support</p>	<p>Delphine Arri: <a href="mailto:darri@worldbank.org">darri@worldbank.org</a></p> <p>Support administered by Norad</p>



					and investments in activities that prevent marine litter and pollution	
<b>The Potential Human Health Impacts of Microplastic in the Environment</b>	WHO	2 years, 2018 to 2019	4 000 000	Global	Assess the current state of knowledge on the occurrence of microplastics in the environment, consequent human exposure and potential health impacts. Draw conclusions where feasible and identify data gaps and research needs. The most significant research questions associated with the topic of potential toxicity of ingested micro- and nanoplastics will be assessed, with a special focus on drinking water, but also other routes of exposure. Given the specific questions raised about microplastics and drinking-water, with respect to prevention and control, the evidence will be reviewed on removal of microplastics from drinking water and wastewater treatment and prevention of microplastic contamination in water sources	Michael Hinsch: <a href="mailto:hinschm@who.int">hinschm@who.int</a> (Focal point for the project)  Jennifer de France: <a href="mailto:defrancej@who.int">defrancej@who.int</a> (Technical cooperation for the drinking water component)  Support administered by MFA
<b>Establishment of a Programme on Marine Litter and Microplastics</b>	CEAN	1 year, Dec 2018 to	1 043 000	Mozambique	Map and identify the extent of marine plastic litter along the coast of Mozambique. Type of waste and its source, impact on ecosystems	Carlos Manuel dos Santos Serra: <a href="mailto:cmanuelterra@gmail.com">cmanuelterra@gmail.com</a>  Diana Carvalho:



		Dec 2019			and the natural environment, as well as the extent of microplastics in the coastal zones shall be included in the survey. The current political and economic framework in Mozambique is to be assessed, with the aim of suggesting possible improvements and measures to reduce plastic litter. Prototypes of sewage networks and other suitable measures will be developed to reduce and prevent litter in the sea	<a href="mailto:dianancarvalho@gmail.com">dianancarvalho@gmail.com</a>  Support administered by the Norwegian embassy in Maputo
<b>Using Community Cookers to Prevent and Reduce Marine Litter</b>	Community Cooker Foundation	2 years, 2019 to 2020	2 656 000	Nairobi + along the coast of Kenya	Improve health indicators among workers, create jobs, reduce local open fire rubbish burning, decrease pollution on land and in the sea. The cookers burn plastics in an environmentally friendly way, and the heat from the cookers is used for baking, cooking and heating water	Wakina Mutembei: <a href="mailto:communitycooker@planning-kenya.com">communitycooker@planning-kenya.com</a>  Support administered by the Norwegian embassy in Nairobi
<b>The Multi-Donor Trust Fund for Indonesia Oceans, Marine Debris, and Coastal Resources</b>	World Bank	3 years, Nov 2017 to Nov 2020	21 500 000	Indonesia	Provide technical assistance, analytical support, pilot activities and financing to assist the Government of Indonesia in developing and implementing its National Oceans Agenda, including support to achieving the country's	Anita Kendrick: <a href="mailto:akendrick@worldbank.org">akendrick@worldbank.org</a>  Support administered by the Norwegian embassy in Jakarta



					targets for reduction of marine debris and ocean plastic	
<b>STOP Marine Plastic</b>	SystemIQ	3 years, May 2018 to April 2021	30 000 000	Muncas, East-Java, Indonesia	Design, implement and scale up circular economy solutions to marine plastic pollution. Collection of all plastic waste from households and business, initiate behavior change activities for households to separate waste, improve the integrated solid waste processing station facilities, beach clean-ups. The project partners with Banyuwangi Regency (Directorate of Environment Unit) to build effective, circular waste management systems that eliminate leakage of plastic into the ocean, increase resource efficiency and provide socio-economic benefits for local communities	Joi Danielson: <a href="mailto:joi.danielson@systemiq.earth">joi.danielson@systemiq.earth</a>  Support administered by the Norwegian embassy in Jakarta
<b>Bali Partnership on Marine Debris Action</b>	SystemIQ	2 years, Dec 2018 to Aug 2020	7 029 762	Bali, Indonesia	Build a scientific backbone and alignment across the many Balinese stakeholders, finding out where and why plastic is entering waterways and pinpoint sub-districts in highest need of intervention	Joi Danielson: <a href="mailto:joi.danielson@systemiq.earth">joi.danielson@systemiq.earth</a>  Support administered by the Norwegian embassy in Jakarta



<b>ASEAN-Norwegian Capacity Building Project for Reducing Plastic Pollution (ASEANO)</b>	Norwegian Institute for Water Research (NIVA), (together with Center for Southeast Asian Studies (CSEAS))	4 years, Jan 2019 to June 2022	26 500 000	ASEAN-countries. Case studies will initially take place in Indonesia and the Philippines, and might be extended to Thailand and Viet Nam	Build sufficient knowledge and capacity for the ASEAN to tackle plastic pollution from key industries and business sectors by developing and testing sound reduction measures, in close collaboration with main target groups such as industry, government (local, national, regional – ASEAN and national governments) and civil society. ASEANO will make the stakeholders better suited to set viable targets, consolidate efforts in the region and monitor progress	Thorjörn Larssen: <a href="mailto:tla@niva.no">tla@niva.no</a>  Support administered by the Norwegian embassy in Jakarta
<b>Building Movement for Indonesia Marine Debris</b>	Yayasan Ekosistem Nusantara Berkelanjutan (EcoNusa Foundation)	1 year, Nov 2019 to Oct 2020	1 860 000	Indonesia	Achieve higher awareness in the Indonesian public, especially among young people, of the importance of reducing marine debris and that individual action can make a difference, so that substantial amounts of debris and plastic will be removed from beaches and shores	Bustar Maitar: <a href="mailto:bustar@econusa.id">bustar@econusa.id</a>  Support administered by the Norwegian embassy in Jakarta
<b>Creating Strong Ecosystem to Implement Circular Economy in Indonesia</b>	Greeneration Foundation	1 year, Oct 2019 to	1 140 000	Indonesia	Promote sustainable business practices through circular economy business models from best practices across Indonesia and	Vanessa Letizia: <a href="mailto:ines@greeneration.org">ines@greeneration.org</a>



		Oct 2020			abroad. Work to generate the commitment and collaboration of high-level decision makers and grassroots actors to implement waste management solutions as well as data collection, management, and monitoring systems, with the generated knowledge openly shared through the online platform <a href="http://Bebassampah.id">Bebassampah.id</a>	Support administered by the Norwegian embassy in Jakarta
<b>Support Facility Project for Marine Plastic Litter Reduction Acceleration Secretariat</b>	UNDP Indonesia	3 years, Nov 2019 to Oct 2022	5 050 000	Indonesia	Strengthen the Secretariat's capacity to coordinate and facilitate five task force units aimed at integrating and synergising action plans to reduce marine debris. Increase public and targeted stakeholders' awareness on the importance of taking concrete action to reduce marine debris	Christophe Bahuet: <a href="mailto:christophe.bahuet@undp.org">christophe.bahuet@undp.org</a>  Support administered by the Norwegian embassy in Jakarta
<b>Towards Zero Plastics to the Seas of Africa</b>	SST (Sustainable Seas Trust)	5 years, April 2019 to March 2024	39 700 000	Mapping of physical catchment areas will be carried out in South Africa, Kenya, Madagascar, Mauritius,	Protect and conserve ocean resources by reducing the flow of plastic pollution to the oceans off the coasts of Africa. First outcome: reduce the flow of plastic pollution to the Nelson Mandela Bay, South Africa, by 90% compared to 2019 baseline. Second outcome: share	Tony Ribbink: <a href="mailto:a.ribbink@sst.org.za">a.ribbink@sst.org.za</a>  Stacy Webb: <a href="mailto:stacey@sstafrica.org.za">stacey@sstafrica.org.za</a>  Support administered by the Norwegian embassy in Pretoria.



				Mozambique, Seychelles and Tanzania. The scope also includes the 38 African coastal states of the African Marine Waste Network, and countries associated with the Nairobi and Abidjan conventions.	and replicate the methodology used at Nelson Mandela Bay in at least one catchment area in the countries mentioned to the left in this table. Third outcome: disseminate information on this methodology and lessons learned broadly throughout Africa	
<b>Building knowledge to Combat Marine Litter</b>	FUNBIO, with technical expertise from Oceanographic Institute of University of São Paulo, State of São Paulo, and participation of UNESCO Chair on Ocean Sustainability	1 year, Aug 2019 to Aug 2020	1 241 800	The State of São Paulo, Brazil	Develop a long-term strategy for monitoring and assessing the marine litter in the State of São Paulo, Brazil, and to improve a multisector stakeholder engagement. Effective communication will be established between science and management to aggregate initiatives and create opportunities for collective learning and informed decision-making	Daniela Leite: <a href="mailto:daniela.leite@funbio.org.br">daniela.leite@funbio.org.br</a>  Alexander Turra: <a href="mailto:turra@usp.br">turra@usp.br</a>  Support administered by the Norwegian embassy in Brasilia.



<p><b>Scaling Up a Socialised Model of Domestic Waste and Plastic Management in Five Cities</b></p>	<p>UNDP Vietnam</p>	<p>3 years, 2019 to 2021</p>	<p>8 800 000</p>	<p>Five cities in Vietnam: Ha Long Bay, Quy Nhon, Binh Thuan Binh Duong and Da Lat</p>	<p>To contribute to environmental protection in five target cities, enhance the recognition of the informal sector and the linkages between the informal and formal sector in Vietnam, enhance capacity and actions by the government authorities, contribute to poverty reduction for targeted groups and create and promote innovation and information platforms</p>	<p>Dao Xuan Lai: <a href="mailto:dao.xuan.lai@undp.org">dao.xuan.lai@undp.org</a></p> <p>Support administered by the Norwegian embassy in Hanoi</p>
<p><b>Plastic Pollution and Marine Litter Prevention: Advocacy through Empowerment, Narrative Change and Data Building</b></p>	<p>Association Zero Zbel</p>	<p>2 years, Dec 2019 to Dec 2021</p>	<p>1 100 000</p>	<p>Morocco, Africa</p>	<p>Support evidence-based advocacy (government and private sector) through waste audits along river basins, and awareness raising around marine litter, as well as creating a network of committed actors in the waste management field</p>	<p>Mamoun Ghallab: <a href="mailto:asso.zerobel@gmail.com">asso.zerobel@gmail.com</a></p> <p>Soukaïna El Idrissi: <a href="mailto:soukaina.azizelidrissi@gmail.com">soukaina.azizelidrissi@gmail.com</a></p> <p>Support administered by the Norwegian embassy in Rabat</p>
<p><b>Building Resilience in the Eastern Caribbean through Reduction of Marine Litter and Pollution (ReMLiP)</b></p>	<p>Organisation of Eastern Caribbean States Commission (OECS)</p>	<p>3 years, 2019 to 2021</p>	<p>27 000 000</p>	<p>Eastern Caribbean, includes the following countries: Antigua and Barbuda, Dominica, Grenada, Mont</p>	<p>Strengthen global commitments and national and regional instruments to prevent marine litter, increase awareness of issues related to marine litter, harmonise policies and legislation for effective management and reduction of waste, as well as on-the-ground</p>	<p>Chamberlain Emmanuel: <a href="mailto:chamberlain.emmanuel@oecs.int">chamberlain.emmanuel@oecs.int</a></p> <p>David Robin: <a href="mailto:David.robin@OECS.int">David.robin@OECS.int</a></p> <p>Susanna DeBeauville-Scott:</p>



				serrat, Saint Kitts and Nevis, Saint Lucia, Saint Vincent and the Grenadines.	interventions in the participating countries	<a href="mailto:susanna.dscott@oecs.int">susanna.dscott@oecs.int</a>  Support administered by the Norwegian embassy in Havana
<b>Integrated Approach towards Sustainable Plastics Use and (Marine) Litter Prevention in Bangladesh</b>	United Nations Industrial Development Organization (UNIDO)	3 years, Jan 2020 to Dec 2022	38 000 000	Bangladesh	Start the development and deployment of an integrated approach to sustainable plastic use and marine litter prevention for reduced environmental impact, enhanced productivity and innovation. The expected outcome is strengthened policy framework, improved capacity and enhanced responsibility and action of key stakeholders towards sustainable plastic use and litter prevention in Bangladesh	Zaki Uz Zaman: <a href="mailto:z.zaman@unido.org">z.zaman@unido.org</a>  Rene Van Berkel <a href="mailto:r.vanberkel@unido.org">r.vanberkel@unido.org</a>  Support administered by the Norwegian embassy in Dhaka
<b>Coordinating and Providing a Common Platform for India-Norway Marine Pollution Initiative: Role of UN Environment</b>	UNEP New Delhi	3 years, Dec 2019 to Dec 2022	8 784 211	India	Improve the management of marine pollution in India and support India to actively engage globally on this issue. UNEP New Delhi will play the role of a knowledge coordinator and advisor in the India-Norway Marine Pollution Initiative	Atul Bagai: <a href="mailto:atul.bagai@unep.org">atul.bagai@unep.org</a>  Support administered by the Norwegian embassy in New Delhi
<b>India-Norway Cooperation Project</b>	Norwegian Institute for	2.5 years,	30 000 000	India. Catchment areas of rivers	Address highly interlinked and key challenges regarding marine litter,	Eirik H. Steindal: <a href="mailto:Eirik.steindal@niva.no">Eirik.steindal@niva.no</a>



<b>on Capacity Building for Reducing Plastic and Chemical Pollution in India</b>	Water Research (NIVA)	Jan 2020 to June 2022		Tapti and Daman Ganga in the cities of Surat and Vapi (both in Gujarat state of India)	micro-plastics and Persistent Organic Pollutants (POPs). Investigate land sources, river fluxes and ocean input of plastic and POPs pollution. Contribute with knowledge-based science and build capacity of government agencies like the state and central pollution control boards and other stakeholders for reduction of impacts of plastic pollution and the new POPs listed under the Stockholm Convention	Support administered by the Norwegian embassy in New Delhi
<b>Capacity Building on Waste Management in the Bago Region</b>	Norwegian Institute for Water Research (NIVA)	3 years, Jan 2020 to Dec 2022	12 250 000	The Bago Region in Myanmar	Build capacity in Myanmar to tackle waste pollution from domestic and small-scale industrial sources, where the project impact is to reduce the negative effects from waste pollution on the environment. The project will aim to collaborate with select private sector actors, to establish waste management models that focus on plastic waste and recycling, local models of promising actions and measures, including demonstration sites, and evaluate their effectiveness. The objective is that these activities will ultimately strengthen capacity, improve decision making and raise	Hans Nicolai Adam: <a href="mailto:hans.adam@niva.no">hans.adam@niva.no</a> Support administered by the Norwegian embassy in Yangon



					awareness of solid waste management in Myanmar.	
<b>SINOPLAST Capacity Building for Reducing Plastic and Microplastic Pollution</b>	Ministry of Ecology and Environment, China. Main coordinator in China: The Basel Convention Regional Center for Asia and Pacific. Main coordinator in Norway: NIVA	4 years, Jan 2019 to Dec 2022	26 000 000	Selected Chinese river catchments, coastal areas and industries	Build knowledge and capacity in China to improve the country's ability to tackle plastic pollution from significant sources within key industries, government, and civil society. It will develop a set of sound and feasible measures to reduce plastic pollution, and contribute to strengthening monitoring capacity and supporting the government's enforcement and control.	Thorjørn Larssen <a href="mailto:thorjorn.larsen@niva.no">thorjorn.larsen@niva.no</a>  Chen Yuan: <a href="mailto:bccc@tsinghua.edu.cn">bccc@tsinghua.edu.cn</a>  Support administered by the Norwegian embassy in Beijing
<b>Rehabilitation and waste management of El-Bared Irrigation System to reduce source-to-sea pollution and improve the livelihoods in the Akkar Region of Lebanon</b>	FAO	3 years, Jan 2020 to Dec 2022	8 575 000	El-Bared River Basin in Northern Lebanon	Minimize the discharge of waste from El Bared system in Lebanon to the Mediterranean Sea through improved solid waste disposal, rehabilitation of irrigation canal systems, improved agricultural output and job creation. Through the project, FAO will address local communities to raise awareness on the collection of solid waste around the irrigation canal systems to decrease pollution. The project	Youssef Bizri: <a href="mailto:Youssef.Bizri@fao.org">Youssef.Bizri@fao.org</a>  Maher Salman: <a href="mailto:Maher.Salman@fao.org">Maher.Salman@fao.org</a>  Support administered by the Norwegian embassy in Beirut



					targets local communities including disadvantaged, displaced communities, unemployed local men, women, and youth.	
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