

Issue No. 12 | November 2019



Exchange of information, knowledge and expertise on oceans and coasts A service by the Task Team Oceans and Coasts

## Dear Reader,

This is the 12th edition of our Oceans and Coasts Newsletter, which accomplishes 2nd year since its first launch!

We are particularly proud in this issue as it provides a wide range of many contributions that truly reflect the growing portfolio, new topics and challenges, the importance to sustainably manage marine and coastal ecosystems and resources for their global value, and particularly to ascertain livelihoods, well-being and economies of our partners.

My many thanks to all contributors, and particular to Kathrin Norda who kindly helped to get this issue out and about.

Enjoy the reading!

Best fishes

Mecki

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## **News & Events**

# MeerWissen at the Marine Regions Forum

Berlin, 30th September - 2nd October 2019



© IISD/ENB/Mike Muzurakis

Held under the theme "Achieving a healthy ocean - Regional ocean governance beyond 2020", the first Marine Regions Forum took place from 30 September - 2 October 2019 in Berlin. It provided an opportunity for informal exchange and dialogue between decision-makers, scientists, and civil society from the world's marine regions.

BMZ and GIZ co-hosted the session "Building regional science-policy interfaces", together with the Institute for Advanced Sustainability Studies (IASS) and Kiel University. It featured inputs on existing science-policy interfaces in different regions, with a focus on the Northeast Atlantic and Western Indian Ocean. Henri Döring, BMZ presented MeerWissen and its approach to support the uptake of scientific results into marine management in Africa.

Contact: Janina Lobmüller

## **Additional information**

» MeerWissen



# Great response to the 2nd call for concepts of MeerWissen



Coastal zone in Black Rock, South Africa @ Kerry Sink

With a focus on "Strengthening Marine Biodiversity Conservation in Sustainable Blue Economy Approaches", over 15 submissions were received in the 2nd call for concepts of the initiative "MeerWissen – African-German Partners for Ocean Knowledge". Seven project ideas have now been selected for submission of a full proposal and will be invited to a three-day co-design workshop in Hamburg at the end of this year to further develop their partnership projects.

MeerWissen aims at improving the conditions for science-based policy making for the conservation and sustainable use of the ocean in African by strengthening capacities in marine research, stimulating the dialogue and transfer of knowledge at the science-policy interface and fostering digital solutions and the use of new technologies.

### Contact:

Anke Schneider and Janina Lobmüller

## Additional information

» MeerWissen



## Pre-Cop in Costa Rica

San Jose, Costa Rica, 8th – 10th October 2019

The Pre- was held in San Jose, Costa Rica, from 8-10 October 2019 linking UN Climate Action Summit and the COP 25 Santiago Climate Change Conference. Inter – alia, panel sessions includes climate actions by local governments, blue carbon, local climate resources. It also provided an opportunity to discuss the IPCC Special Report on the Ocean and Cryosphere in a Changing Climate (SROCC) (Read more) and unresolved issues from COP 24 in Katowice, Poland (2018). The SROCC will contribute to the 25th session of the Conference of the Parties (COP 25) to the UNFCCC in Santiago, Chile, in December 2019. The report also precedes the UN Decade of Ocean Science for Sustainable Development, which will run from 2021 to 2030.

Contact: Mecki Kronen

### Additional information

» Pre-COP Links UN Climate Action Summit and Santiago Climate Change Conference



## 6th Our Ocean Conference in Oslo

Oslo, Norway, 23rd - 24th October 2019



© Our Ocean 2019

In times of immense treats facing the oceans, action and policies are urgently needed to ensure and responsible and sustainable management of marine resources and protection of the ocean. Our Ocean 2019 highlighted six Areas of Action: Marine Protected Areas and other Area-Based Management Measures, Climate change, Sustainable fisheries, Marine pollution, Sustainable blue economy and Maritime security. The 6th Our Ocean Conference took place in Olso, Norway, organized by the Norwegian Ministry of Foreign Affairs. A more detailed report will follow in the next edition of our newsletter.

## **Additional information**

» Our Ocean 2019



# Screening of the documentary "Ghost Fleet" about slave labour on fishing vessels



GIZ internal film event "Ghost Fleet" in Bonn, 25.09.2019 (left) and in Eschborn, 24.09.2019 (right). © Ilka Beith

The Sector Project on Sustainable Fisheries and Aquaculture organised two internal screenings of the film "Ghost Fleet" on September, 24th (Eschborn) and 25th (Bonn) to raise awareness about modern slavery on fishing boats in South-East Asia. With protagonists Patima Tungpuchayakul (Founder of Labour Protection Network) and Chutima Sidasathian (human rights journalists) being present, the evening provided very touching and enlightening moments, especially during the Q&A session after the film. As with many of the globalised, complex value chains of different commodities, seafood tends to arrive in western markets after a long and opaque journey, which is even more complicated as fisheries operate out of sight, often beyond the reach of controls.

Contact: Annika Mackensen

## **Additional information**

» LPN Foundation



# Empty oceans or great potential? - Options for action for sustainable fisheries

BMZ Berlin, 4th November 2019 - 'Innovationsdialog zur Zukunft der ländlichen Räume Afrikas'

On the 4th of November, the BMZ invited to the fourth edition of the event series 'Innovationsdialog – zur Zukunft der ländlichen Räume Afrikas' as part of the event series of the special initiative 'EINEWELT ohne Hunger (SEWOH)'.

Topic: importance of sustainable fisheries for global food security and development perspectives.

Fish is one of the most consumed and traded foods in the world. In Africa, small-scale fishing provides food, income and an important livelihood for millions of people. Industrial overfishing and illegal and unsustainable fishing practices are putting ecosystems and fish stocks under increasing pressure. This endangers natural resources and thus the livelihood and economic basis of small-scale fishing. From a development policy perspective, it was discussed how sustainable fisheries could be supported and what contribution producers, trade and consumers could make.

A detailed report will follow in the next edition of our newsletter.



## Global

## MOSAiC-Expedition: Largest polar expedition of all time



German research icebreaker 'Polarstern' © Alfred-Wegener-Institut/Stefan Hendricks

In September of this year, a team of the Alfred Wegener Institute launched one of the largest polar research projects in history as part of the 'MOSAiC' expedition (Multidisciplinary drifting Observatory for the Study of Arctic Climate). For one year, the German research icebreaker 'Polarstern' will drift frozen - entrapped in an ice floe - through the Arctic Ocean. The expedition will provide new insights into exchange processes between oceans, ice and atmosphere, thus, important data for climate research.

## **Additional information**

- » MOSAiC expedition
- » Alfred Wegener Institut





Women harvesting seaweed

hits the ground running again. Funded by BMU, the project is extended for another two years and increased by 3 million EUR.

Implemented in collaboration with GRID-Arendal, IUCN and UNEP, Blue Solutions will focus on (a) assisting the advancement and consolidation of the PANORAMA partnership, (b) fostering the uptake and implementation of blue solutions in selected partner countries, and (c) supporting policy dialogue around the post 2020-framework on biodiversity. Therefore,

Blue Solutions builds on the wealth of experience, networks, tools and methods of the past six years.

Reach: Global

Contact: Jan Kleine Büning

## **Additional information**

- » Blue Solutions Webpage
- » PANORAMA



# Use the expertise of the German coastal states for development cooperation



Experts from Baja California discover the National Park Waddensea Lower Saxonia (2013)  ${}^{\tiny{\textcircled{\tiny N}}}$  Martin Foth-Feldhusen

Over the past 20 years, GIZ's Regional Office in Hamburg has carried out projects for coastal and marine conservation as well as for port development and management. This work has resulted in a broad network of experts in coastal and flood protection, management of protected areas, economic use of the oceans by fishing, shipping, energy generation from academia, politics and administration, industry and NGOs. This network is available for development cooperation. Based on the needs our colleagues in the field, we identify experts and contract them for short term assignments. We also offer to support you in developing project modules managed from Hamburg.

Contact: Olga Weigel

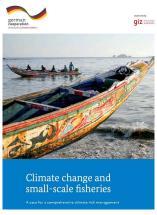


## Climate change and small-scale fisheries

A case for comprehensive Climate Risk management

Just in time for the upcoming Blue COP in Chile, the Global Programme (GP) on Risk Assessment and Management for Adaption to Climate Change

compiled a brochure on the situation of small-scale fishers in a changing climate. The brochure aims to explain how Comprehensive Climate Risk Management (CRM) can provide useful answers to climate impacts that threaten the livelihoods of small-scale fishers in different regions of the world. The importance of the impacts of climate change on oceans and coastal zones was also reflected during a technical conference and a training course organized by the GP in Senegal last week (14.-18.10.19) in cooperation with the Senegalese Ministry of Environment and Sustainable Development. Within the scope of these events, participants focused and worked on topics such as coastal erosion, the importance of the fishery sector and the preservation of natural habitats (e.g. mangroves) in West African coastal zones



@ GI7

Contact: Nicola Hanke



#### Africa

# Angola: President establishes high-level inter-ministerial committee on the ocean



Small scale fisheries is a critical marine sector of Angola's ocean economy as it ensures food security for the coastal population.
© GIZ/Rodney Braby

The President of Angola João Lourenço issued a decree mid-August that establishes a committee under his leadership which comprises of 16 Ministers and assumes the mandate to improve ocean governance through inter-sectoral collaboration. The committee will be responsible for steering the sustainable development of Angola's marine area. In this context, Marine Spatial Planning was recognised as a key mechanism to achieve better marine governance and a sustainable ocean economy.

The Angolan process to enhance the sustainable development of the country's sea, including through MSP, is supported by the MARISMA project.

Contact: Gunnar Finke



Successful launch of coaching program for trainers and fish farmers



Malawi's fish farmers receiving technical training in pond construction designed for fresh water aquaculture.  $\bigcirc$  GIZ AVCP

In May 2019 the Aquaculture Value Chain Project (AVCP) in collaboration with consulting consortium (COFAD/GOPA/UMODZI) initiated a coaching program for 80 trainers who will instruct Malawi fish farmers on best aquaculture practices. Trainings conveyed technical aquaculture practices by a hands-on approach. In October 2019 trainers received methodological training and schooling in improved monitoring and evaluation techniques applied on a tablet based system, to ensure smooth monitoring of the project.

Furthermore, the "Aquaculture Round Table" has operationalized in Malawi. Since March 2019, expert working groups meet to discuss various issues in their area of expertise and how to best solve them.

Contact: Manding Suwareh



# Mauritania moving towards an early warning system for marine micro-contamination



Monitoring micro-contaminations © Martin Obermaier

A famous pilot once wrote that "what is essential is invisible to the eye". Marine microcontamination is similar: invisible to the eye, but with potentially enormous consequences for fishery and human health. In this context, over 50 experts met in

October 2019 in Nouakchott to discuss options for a national early warning system for marine micro-contamination. The discussions covered technical options, collection of data, grey zones (what is marine micro-contamination and what is not), communication protocols, etc. With support from GIZ, Mauritania has already become a renown regional leader in marine environmental management. The new early warning system for marine micro-contamination (foreseen for 2020) will ascertain that Mauritania continues to be an example for other African countries.

Contact: Martin Obermaier



# Managing complex environmental risk in Africa's largest marine protected area



© Martin Obermaier

A management plan is the most important tool for a protected area. It helps its administration to effectively manage its territory, based on clear objectives and vision for conservation. To develop a management plan is no easy task. It includes, among other, identification of conservation threats, planning based on financial constraints and opportunities, and participation of local communities and other stakeholders. The Parc national du Banc d'Arguin is Africa's largest marine protected area. Increasing pressures – open air mining, overfishing, and population encroachment – now threaten a still almost entirely pristine UNESCO World Heritage. To help the PNBA in preparing for this future, GIZ supports the development of a comprehensive new management plan for the PNBA.

Contact: Martin Obermaier



Valuing ecosystem services in marine protected areas: Grüner Wert and Parc national du Diawling



© Martin Obermaier

The valuation of ecosystem services has received more and more interest from protected area (PA) management: to give a value to their PA's, their functions and services, and therefore highlight what could be irrevocably lost if allowing unsustainable development to proceed around the PA's borders. The "Grüner Wert" program (green value in English) of GIZ joins PA management, experts, and scientists to evaluate ecosystem services of marine protected areas, and through this exercise support long-term conservation planning, conflict resolution, and highlight the links between maintaining natural capital and sustainable development. The Parc national du Diawling will be welcoming "Grüner Wert" in Mauritania in November 2019 with first results foreseen for early 2020.

Contact: Martin Obermaier and Ingo Cremer



## **Asia and Pacific**

# Breakthrough in Myanmar: Culture of Mangrove Crab (*Scylla*)



Crude but efficient, Farmers in the Ayeyarwaddy Delta in Myanmar flood rice paddy fields after harvest for culture of Mangrove Crabs. © Uwe Scholz

The Myanmar Sustainable Aquaculture Programme (MYSAP) achieved a breakthrough in the culture of mangrove crabs (*Scylla spec.*) which is currently the export commodity with the highest value in the country. Fattening of the crabs in captivity is a common practice along Myanmars coast, however, dependent on the collection of juveniles (crablets) in Mangrove areas. The sector is currently at risk due to an excess harvest of both adult and juveniles. MYSAP has partnered with Texcchem Ltd. to conduct trials on artificial reproduction of the crab, which was recently successfully completed for the first time in Myanmar. Texchem has meanwhile handed out 300.000 crablets to associated farmers for fattening.

Contact: Uwe Scholz



# Wanted: Digital solutions for the coastal (brackishwater) and inland aquaculture sectors in Myanmar

The WorldFish Centre developed, with funding by MYSAP (Myanmar Sustainable Aquaculture Programme), a mobile phone app for smallholder fish farmers to provide advice and assistance, as Governmental extension services are not too active (Greenovator). MYSAP , in cooperation with the Myanmar Fisheries Federation, is also about to develop a similar App for the coastal shrimp sector. We would nevertheless ask for any experience from projects in respect to digitalization. The latter could also include e.g. higher education (University support) or TVET ventures.

Contact: Uwe Scholz and Benjamin Cornils



## Support to local Universities in Myanmar

Sector: Aquaculture



Taunggyi University Master Students © Lennart Klein

In Myanmar, only few sources exist to obtain reliable knowledge about common practices in aquaculture. This is in part due to a lack of educated technicians and operators. To develop a source of knowledge and innovation, GIZ is working closely together with local universities. The development advisers in Taunggyi and Pathein are co-supervising master students from the zoology faculty and are helping with the design and methods of their theses. The university will also closely cooperate with the department of fisheries and experiments are designed to benefit the private sector. The students will research ways to improve fingerling survival rate, avoid inbreeding, and will study endemic fish species and conservation approaches.



# Capacity Development Sessions for Best Mangrove Award Finalists and Center of Learning (CoL) Representatives



© GIZ/Keisha Mayuga

GIZ and the Zoological Society of London (ZSL) held knowledge exchange sessions last October 21 in Quezon City, Philippines for representatives of ProCoast's CoLs and finalists of the Best Mangrove Awards for Para El Mar. The participants got the opportunity to present their speeches and receive feedback from an expert audience and to learn about GIS mapping, green-grey engineering, social marketing and how to write success stories. This knowledge exchange was organized in the run-up to the Para El Mar: Marine Protected Area (MPA) Awards and Recognition (October 22 to 23), an event showcasing the best performing MPAs in the country.

## Contact:

Franca Sprong and Raquel Capio



# Learning Visits between the ProCoast Project's Centers of Learning (CoLs) in the Philippines



© Liza Marana

The Zoological Society of London (ZSL) organized a learning visit for representatives from the six CoLs, which will showcase tested and adopted practices and measures in protecting marine and coastal ecosystems. Between September 23 and 26, the representatives visited the CoLs Sagay Marine Reserve in Negros Occidental and Katunggan Ecopark in Iloilo. During site visits, presentations and discussions these two

CoLs shared their innovations and challenges. Further learning exchanges between the CoLs will be hosted by the four remaining sites. In the future, the CoLs will be visited by the project's 30 replication sites according to their needs in marine and coastal management.

Contact:

Franca Sprong and Raquel Capio



# Rethinking Plastics in the Philippines



Mr. Enrico Strampelli of the Delegation of the European Union to the Philippines and Dr. Roland Schissau of German Embassy Manila join partners and stakeholders in the Philippines as marine litter solutions are identified.

© GIZ

The regional project 'Rethinking Plastics – Circular Economy Solutions to Marine Litter' held its in-country inception workshop in Quezon City, Philippines on October 2, 2019 to solicit local perspectives and needs in supporting a transition towards a more circular economy through sustainable consumption and production, waste management, and prevention of plastic waste entering into the marine environment. Co-financed by the EU and BMZ, GIZ implements the program in collaboration with Expertise France in seven partner countries, including the Philippines. Representatives from key government agencies, business sector, international and nongovernmental organizations, academe, and local government units actively discussed marine litter solutions across the plastics value chain.

Contact: Ronja Schmidt



## **Central and South America**

Sustainable financing structures and mechanisms for marine protected areas in Small Island Developing States



Unspoilt Sandy Island off Carriacou, Grenadines © Horst Vogel

The new project "Development of sustainable financing structures and mechanisms for marine protected areas in Small Island Developing States (SIDS), Caribbean" is in preparation. The project aims to improve the financing structures and mechanisms of marine protected areas in Eastern Caribbean SIDS through competence development. The main outputs of the project are (1) introduction of non-discriminatory financial processes at the level of protected area administrations (management boards); (2) exchange of models between management boards and the National Conservation Trust Funds (NCTFs) for improved access to and provision of sustainable financing systems; and (3) improvement of the regional framework conditions for financing marine management boards. The new project may start in March 2020 for a period of 3 years.

Contact: Mecki Kronen



Identification, demarcation of protected areas and integrated management of marine and coastal zones affected by climate change in Columbia



© Eric Rodriguez

A process of prior consultation with the Wayuu indigenous community of a future marine and coastal protected area in La Guajira / Colombia was initiated by the MIMAC (Manejo Integral Marina Costero) project.

The first step for the declaration of the regional protected marine and coastal area. The basis for the further development of co-management concepts is laid. A long-term and sustainable protection of the territory and thus fulfillment of the social function (ecosystem services for livelihood, the preservation cultural values) has been initiated.

Contact: Julian Castro



## and Chile



Visit of Chilean and Peruvian Mission to Isla Chincha Sur in Peru  $\ensuremath{\mathbb{G}}$  Jadhiel Godoy

Exchange amongst professionals from the Ministry of Environment in Chile and the Peruvian Protected Area Management Service - SERNANP, took place in September in Chile and in October in Peru within the triangular cooperation between Chile, Peru and Germany. SERNANP is the only public institution in charge of managing the areas, a beneficial model receiving great interest from Chile, which is in the process of creating a Service for Biodiversity and Protected Areas. Aspects of exchange and discussion were the processes of creating protected areas, management tools, relationships with local communities, financing aspects and integrated management and monitoring of marine protected areas.

Contact: Philine Oft

## **Additional information**

» Full article from the visit to Chile

TerraMar Project supports Brazil's Ministry of Environment in launching a national protocol for beach waste collection efforts (clean-up day).



Bildunterschrift..

On September 10 and 11, a technical meeting was held in Brasilia attended by representatives of the government, academia, the private sector and NGOs responsible for coordinating coastal clean-up day campaigns. As a result, a form was developed to standardize the data obtained in cleaning actions throughout the Brazilian beaches. Gathering the information provides a better understanding of improperly disposed solid waste and is useful for building a national diagnosis of the marine litter potential sources. Further, the collected information may guide the formulation of public policies addressing the main issues.

Contact: Carla Rossitto



Facebook/Whatsapp campaign done by TerraMar promoting the National Protocol for beach clean-up days © TerraMar Project



## **Publications**

# Advancing gender in the environment: Gender in fisheries –

## A sea of opportunities

Published by the International Union for Conservation of Nature and the United States Agency for International Development (2019)



Photo: Shutterstock

Since the fisheries sector provides great opportunities, development agencies such as GIZ as well as United States Agency for International Development (USAID) try to support sustainable fisheries and marine conservation around the globe. Women make up nearly half of the overall fisheries sector workforce including harvesting, processing, marketing, trading, and leadership roles. Nevertheless, gender inequalities prevent women from fully participating in economic opportunities that ultimately leads to a general restriction of the fisheries sector. With help of the USAID, the International Union for Conservation of Nature (IUCN) published a review with guidelines focusing on women's roles and impacts on the sector and fisheries as entry point for women's empowerment.

## Full publication

J. Siles, et al. (2019). Advancing Gender in the Environment: Gender in Fisheries - A Sea of Opportunities. IUCN and USAID. Washington, USA: USAID. 68pp.

### **Additional information**

- » <u>IUCN</u>
- » <u>USAID</u>
- » Gender and Environment Resource Center



# "The Bottle Is My Wife": Exploring Reasons Why Men Drink Alcohol in Ugandan Fishing Communities

Published by Breur et al (2019) "The Bottle Is My Wife": Exploring Reasons Why Men Drink Alcohol in Ugandan Fishing Communities. Social Work in Public Health 30:1-16.

Fishing communities in Uganda have high rates of excessive alcohol consumption and negative health outcomes related to alcohol consumption, such as HIV acquisition and transmission and intimate partner violence victimization and perpetration. Research lacks understanding of alcohol use in Ugandan fishing communities, underlying reasons for excessive drinking among fishermen or how their community perceives negative health outcomes linked to excessive alcohol consumption. A qualitative study published by Celia Breuer and colleagues from the University of California in September 2019 was conducted among Ugandan fisherfolk to determine why excessive alcohol consumption has overtaken their communities.

If you are interesed in reading the full publication please contact Kathrin Norda.



## **Upcoming Conferences**

## 7th Sustainable Ocean Summit 2019 in Paris

Paris, France, 20th - 22nd November 2019



© WOC/Cécile Baudouin

Paris will host the 7th Sustainable Ocean Summit (SOS) 2019. The SOS is the annual meeting of the global ocean business community dedicated to advancing private sector action on sustainable ocean development, organized by World Ocean Council – the global Blue Economy Business Organization.

### Additional information

- » Sustainable Ocean Summit
- » World Ocean Council



# The Santiago Climate Change Conference will take place in Parque Bicentenario Cerrillos in Santiago de Chile

Santiago de Chile, Chile, 2nd to 13th December 2019

- COP 25/CMP 15/ CMA 2 will take place from 2-13 December 2019.
- SBSTA 51/ SBI 51 will take place 2-9 December 2019.
- The pre-sessional period is from 25 30 November 2019

## Overview schedule

Contact: Mecki Kronen

### Provisional agendas and annotations

- » https://unfccc.int/documents/200599
- » <a href="https://unfccc.int/documents/200597">https://unfccc.int/documents/200597</a>
- » https://unfccc.int/documents/200602
- » https://unfccc.int/documents/200596
- » https://unfccc.int/documents/200598



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Cover Picture 'Tiny Island off Belize's coast' © Horst Vogel

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