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

Dear Reader,

we are pleased to share the 11th edition of the Oceans & Coasts Newsletter with you. Once again we put together an interesting mix of projects, activities, publications and events from all around the world.

Just as a teaser: In this issue we start with a MeerWissen call for concepts, advertise the film-event "Ghost Fleet", which will take place at GIZ in the end of September 2019 and share new stories of
our GIZ projects worldwide.

Many thanks to all contributors & enjoy reading!

Mecki

P.S.: Ilka Beith was the friendly "helping hand" who put this issue together!

EVENTS & NEWS
» 2nd MeerWissen Call for Concepts now open
» SAVE THE DATE for our Film-Event “GHOST FLEET”
» Let's go - how to fund your business development ideas
» World Oceans Day

GLOBAL
» Use the expertise of the German coastal states for development cooperation
» Atlas for Plastics: Facts & Numbers about plastics
» "GO Plastik" to reduce plastic leakage into the oceans

EUROPE
» EU Fisheries Policies: Impact on African coastal communities

ASIA AND PACIFIC
» Mapping out the path for ProCoast's Centres of Learning (CoLs) in the Philippines
» Transitioning to Low Carbon Sea Transport in the Republic of the Marshall Islands
» New manual on Philippine Beach Forests Rehabilitation and Conservation

AFRICA
» Low-tech digital applications for monitoring aquaculture
» Sustainable aquaculture in Zambia
» Fish for Nutrition (FNP) – School Feeding in Kismayo, Somalia
» Opportunities and challenges for small aquaculture in Zambia
» Reservoir fisheries and small-scale aquaculture in the Eastern Province of Zambia
» Earth observation for improved coastal protection in Benin and Togo

CENTRAL AND SOUTH AMERICA
» School teachers are trained in northeastern Brazil to raise awareness about mangrove

REMINDER
» Don't miss out "GHOST FLEET"
In this call, the BMZ-Initiative "MeerWissen - African-German Partners for Ocean Knowledge" is seeking applications for partnership projects between African and German marine science institutions, with a focus on "Strengthening Marine Biodiversity Conservation in Sustainable Blue Economy Approaches in Africa". Details on requirements, evaluation criteria and the selection process as well as templates for the application are online at www.meerwissen.org. **Deadline for applications is 15 September 2019.**

We look forward to receiving many interesting applications! Please share widely with relevant colleagues and partners.

Contact: meerwissen@giz.de Anke Schneider, Janina Lobmüller, Barbara Lang

**SAVE THE DATE for our Film-Event "GHOST FLEET"**

Was your seafood caught with slave labor?
Take part in a journey inside the darkest secret of the sea with **GHOSTFLEET** - A Vulcan Productions and Seahorse Productions Film

Ghost Fleet follows a small group of activists who risk their lives on remote Indonesian islands to find justice and freedom for the enslaved fishermen who feed the world's insatiable appetite for seafood. Bangkok-based Patima Tungpuchayakul, a Thai abolitionist, has committed her life to helping these "lost" men return home. Facing illness, death threats, corruption, and complacency, Patima's fearless determination for justice inspires her nation and the world.

Coming to **GIZ in Eschborn on tuesday, 24th of September** and to **GIZ in Bonn on wednesday, 25th of September**. Further screenings: **23rd of September in "Haus am Dom", Frankfurt** (in cooperation with the "Entwicklungspolitisches Netzwerk Hessen" EPN)

Watch the **TRAILER here**

Don't miss **GhostFleetFilm**, the story of the heroes working to end human rights abuses.
“They beat me with a stingray’s tail, a metal pipe, and used hot water.”

- PRASETH, now blind in his left eye; enslaved for 6 years

GHOSTFLEET © thesocialpresskit.com, 2019 Brandknew LLC

Let’s go - how to fund your business development ideas

Have you ever thought of an innovative idea, but you lacked the time and resources to develop the concept towards a new acquisition fully? At Client Liaison and Business Development (AGE) we professionally support and systematically build business opportunities for the whole of GIZ. The team of Case Management helps you with ZAS budget, financial and personal resources to launch your ideas.

A business opportunity is a new opportunity for GIZ to develop market-oriented services as well as a profitable business. On November 13th, we will introduce Case Management further during a lunch meeting. Please save the date. An invitation with an s4b link will be sent out in due time.

Find out more here (German only)

World Oceans Day
Prof. Dr. Pörtner (AWI) pointed out the biggest challenge for humans being the reduction of emissions to succeed in limiting global warming to a maximum of 1.5 °C. Otherwise, we will face changes in climate beyond repair. The most controversial topic was deep-sea mining, as ecological and social consequences are partly unknown yet. Nevertheless, deep-sea mining will launch and Germany has its part to play while setting up sustainable framework conditions for this industry. Prof. Dr. Ekau (ZMT) gave an example for the fishing industry not always being the bad guy, as the absence of cod along the Norwegian coast is caused by shifting of stocks due to climate change, not to fisheries.

Click here to access the full report
More information about World Oceans Day here
Another article about the event here

Contact person: Ilka Beith, Sector Project on Sustainable Fisheries and Aquaculture
Global

Use the expertise of the German coastal states for development cooperation

"Fish populations are declining as oceans warm, putting a key source of food and income at risk for millions of people around the world [...] as fish make up 17 percent of the global population’s intake of animal protein, and as much as 70 percent for people living in some coastal and island countries." Article in the New York Times on the decline of fish populations worldwide. See also the original study which the article refers to here.

Atlas for Plastics: Facts & Numbers about plastics

In 2019 the „Plastikatlas“ (atlas for plastics) was released by the Heinrich-Böll-Stiftung. This interesting and informative literature discusses diverse topics in this content, e.g. plastics at our coasts and in our oceans and is therefore recommendable for readers of the Oceans & Coasts community. The atlas shows all the ways plastics inflowing the oceans, but still results in plastics mostly washed in by rivers. Studies demonstrate that the river Rhine has an average pollution of micro plastics with 893 000 particles/km². A descriptive diagram displays the invisible trash in the oceans: experts assume 86 Million tonnes of plastics have entered the oceans already. The Great Pacific Garbage Patch covers a surface area of 1.6 Million km², which is 4.5 times bigger than the area of Germany.

To continue further reading click here (German only)
Contact: Heinrich-Böll-Stiftung, Schumannstraße 8, 10177 Berlin; Bund für Umwelt und Naturschutz Deutschland e.V., Kaiserin-Augusta-Allee 5, 10553 Berlin

“GO Plastik” to reduce plastic leakage into the oceans

Our team of the Business Opportunity (GO) Plastics is working across the departments of GIZ in order to promote the highly relevant topic of plastic waste. We are continuously collecting information on the projects’ specific experiences in the sector, enhancing and completing our service offers, following the donors’ discussions, establishing contacts with public and private partners, research institutions, plastic banks and others to develop business and strengthen the role of GIZ. Presently members of the team are developing an idea for a 100 Mio. USD call of the MacArthur Foundation. Your input on the subject and all relevant information is highly welcome.

Read more in our Sachstand Juni (German).
Find the pdf of our presentation “Beat Plastic Pollution” (English) here – the PPT will be forwarded upon request.

Contacts: Management Unit of “GO Plastik”:
Detlef Schreiber and Mira Nagy (G330), Sylvia Gellert and Michaela Ungerer (A220)

Europe

EU Fisheries Policies: Impact on African coastal communities

The reformed Common Fisheries Policy, which entered into force in 2014, included a legally binding commitment to fish at sustainable levels, completed by the regulation in the Sustainable Management of External Fishing Fleets (SMEFF) in 2017 and the regulation on illegal, unreported and unregulated fishing (IUU) in 2010. However, the design of these policies and their implementation are not always fit to deliver on the SDGs. Moreover, some EU fisheries-related operations, for example in African countries, still escape regulation that would ensure their sustainability, like private EU investments in Africa in the form of fishing joint ventures or in factories processing fish into fishmeal.

Short version
Full publication

Contact: Francisco Mari, Brot für die Welt
Asia and Pacific

Mapping out the path for ProCoast’s Centres of Learning (CoLs) in the Philippines

During a cluster workshop, conducted on 22 and 23 May 2019 in Iloilo City, the IKI BMU ProCoast project partners GIZ, Department of Environment and Natural Resources-Biodiversity Management Bureau, Zoological Society of London and representatives from six CoLs determined crucial steps for the project’s implementation phase. The CoLs will showcase tested and adopted practices and measures in protecting marine and coastal ecosystems. To further develop their approaches and to facilitate exchange with replication sites, the partners guided the CoLs in analyzing their current situations, presenting their visions for the future and translating these into detailed action plans.

Contact:
Franca Sprong, Cluster Coordinator Biodiversity and Marine Protection, GIZ Philippines
Raquel J Capio, KMC Advisor, GIZ ProCoast

Transitioning to Low Carbon Sea Transport in the Republic of the Marshall Islands

CO2 mitigation in sea transport in Majuro, Republic of the Marshall Islands
The project aims at the reduction of CO2 emissions from the Republic of the Marshall Islands (RMI). Domestic sea transport. As an ocean nation spread over many atoll islands, RMI has committed itself in its NDCs to considerably reduce its CO2 emissions also from sea transport within and in-between its atolls. National and international partners collectively develop options for domestic shipping that build upon RMI’s marine legacy and assist the Atoll nation towards an eco-friendly, safe and more economic maritime transport. Modern technologies merge with regional traditions to revitalize RMI’s unique roots. It is hoped that other Pacific Island nations will adopt the project’s outcomes and improve their own maritime transport.
Find more information [here](#)

New manual on Philippine Beach Forests Rehabilitation and Conservation

Renowned mangrove specialist Dr. Jurgenne H. Primavera led the launch of the new Manual on Nursery and Outplanting of Beach Forest Trees during the 15th National Symposium on Marine Science in Aklan, Philippines on 5 July 2019. The IKI BMU ProCoast project in partnership with the Department of Environment and Natural Resources-Biodiversity Management Bureau, Zoological Society of London and GIZ Philippines, will provide training courses on science-based protocols for beach forest rehabilitation and conservation which will include beach forest ecology, biology, taxonomy, germination, nursery and outplanting techniques. The manual is also funded by the Turing Foundation.

Contact:
Franca Spreng, Cluster Coordinator Biodiversity and Marine Protection, GiZ Philippines
Raquel J Capio, KMC Advisor, GiZ ProCoast
Africa

Low-tech digital applications for monitoring aquaculture

MonitorFish – a Berlin-based company and SPDA partner

The Strategic Partnership Digital Africa (SPDA) is a network of more than 180 European companies aiming to provide digital solutions for pressing development challenges in African countries. It is commissioned by BMZ and managed by GIZ. MonitorFish – a Berlin-based company and SPDA partner – provides unique low-tech and easy to use monitoring tools for aquacultures. Based on a smart phone application in its basic form, their cloud-based technology enables fish farmers to gain valuable information on the health conditions of their fish. Combined with practical advice and guidance, this allows farmers to greatly increase their output and to utilise their resources more efficiently.

Contact person:
for GIZ: Niels Biermann, Project manager
for MonitorFish: Dominik Ewald, CTO
Sustainable aquaculture in Zambia

Luapula Province (Northern Zambia) and the Eastern Province; Zambia

Population growth, combined with stagnating and declining fisheries yields, have resulted in a decrease in fish consumption in Zambia over the last 50 years. Fish is an excellent source of micronutrients, including omega-3 fatty acids and others. The Zambian Government has therefore made increased fish production a priority.

In this context, a new sustainable aquaculture project in Zambia (start July 2019) aims to support the Government in implementing the National Aquaculture Strategy with a focus on national food security and poverty reduction. The project promotes fisheries in dams in the Eastern Province and sustainable and resource-conserving pond aquaculture in Luapula Province in the north of Zambia.

Read more here

Contact person: GVFisch@giz.de
Fish for Nutrition (FNP) – School Feeding in Kismayo, Somalia

Kismayo, Jubaland State of Somalia

A pilot campaign on fish nutrition awareness, education and hygiene campaigns was conducted in five schools in Kismayo town of Jubaland Somalia.

This pilot was launched in the framework of the GIZ Fish for Nutrition Project FNP) Somalia, funded by BMZ under its special initiative ‘One world – no hunger’ (SEWOH). Working together with the
Jubaland Ministry of Education and the Lutheran World Federation (LWF), GIZ FNP aims to improve the knowledge of the local population on the nutrition and physiological importance of fish through education and awareness creation.

The pilot campaigns in the five Kismayo schools involved: Serving school going children on a monthly basis with eight hot fish meals, accompanied by sensitisation campaigns for learners, parents, and school teachers on the nutritional and physiological benefits of fish, as well as teacher trainings (Jubaland Teachers Training College) on the nutritional benefits of fish.

More about the project available here

Contact: Abdirazak Muse Osman, Project Coordinator Fish for Nutrition Project (FNP)

Opportunities and challenges for small aquaculture in Zambia
SLE postgraduate study

GIZ/BEAF commissioned participants of the postgraduate study program Seminar für Ländliche Entwicklung (SLE – Centre for Rural Development) of the Humboldt-University of Berlin to conduct a research study on the small-scale aquaculture sector in Zambia. The students collected quantitative and qualitative data that aimed to provide a holistic view of the livelihoods of smallholder fish farmers in the south and north of the country. Three different outputs give insights into following topics:
livelihoods, assets and farm characteristics of fish farming households; value chain and gross margin analysis of the farms; and the role of gender and youth in the sector. According to the results, specific recommendations are given in the end of the report to enable relevant donors and stakeholders to successfully engage in the sector. The link to the full report can be found [here](#).

Contact: *Mara Gellner*, Junior Advisor Sector Project Sustainable Fisheries and Aquaculture

---

**Reservoir fisheries and small-scale aquaculture in the Eastern Province of Zambia**

SLE postgraduate study

The second part of the SLE study was a scoping mission in the Eastern Province of Zambia. The aim of the mission was to increase the understanding of the current situation of dam-based fisheries and small-scale fish farming and fish consumption in the province and the potential for improving sustainable fisheries and aquaculture for greater food and nutrition security. Information was collected through key informant interviews and quantitative and qualitative data collection with fish farmers, fish traders, consumers and dam management committees. The results suggest a high potential of fish production in the province due to numerous small water bodies (SWB). The findings are published in the SLE discussion paper: "[The potential for reservoir fisheries and aquaculture in Eastern Province, Zambia](#).

Contact: *Mara Gellner*, Junior Advisor Sector Project Sustainable Fisheries and Aquaculture

---

[Children fishing at a reservoir © Wiza Ng ‘ambi](#)
Togo
Federal-State Pilot Programme (BLP)

Impression from the cross-border Mono biosphere reserve (Benin/Togo) © GIZ

Within the BLP, the state Bremen implements the project "Earth observation for improved coastal protection in the Mono biosphere reserve". The estuary delta of the Mono River in Benin and Togo holds a manifold flora and fauna. Population growth causes pressure to the natural resources and increasingly threatens the biological diversity of the delta. To ensure its protection, appropriate biodiversity monitoring is required. The project develops a remote sensing based monitoring tool using Sentinel data from the ESA Copernicus Programme for the quantitative analysis of the changes in biodiversity, coastline and mangroves, which can be used independently by the reserve administration. The tool will presented in Bremen in Oct 2019.

Find further information here

Contact: Olga Weigel, Regional Office North, Hamburg
Author: Jelena Fleischmann

Central and South America

School teachers are trained in northeastern Brazil to raise
In partnership with the German-Brazilian cooperation project "Protection and integrated management of marine and coastal biodiversity" (TerraMar) and the marine protected area Reserva Extrativista Marinha da Lagoa do Jequiá, the institute Bioma Brasil organized the training "Brazil's Marvelous Mangroves" in the northeastern coastal community of Jequiá da Praia. The course applies low-cost and easily replicable methods to train school teachers in mangrove-rich regions, particularly near coastal and marine protected areas, to raise awareness about the importance of protecting mangroves as well as about individual and collective actions for nature preservation.

Contact: Dörte Segebart
Reminder

Don't miss out "GHOST FLEET"
Don't miss GhostFleetFilm, the story of the heroes working to end human rights abuses.

See you on tuesday, 24th of September in Eschborn and/or 25th of September in Bonn!

Deutsche Gesellschaft für Internationale Zusammenarbeit
(GIZ) GmbH

Registered offices
Bonn and Eschborn, Germany

Friedrich-Ebert-Allee 36 + 40
53113 Bonn, Germany
T +49 228 44 60-0
F +49 228 44 60-17 66

Dag-Hammarskjöld-Weg 1 - 5
65760 Eschborn, Germany
T +49 61 96 79-0
F +49 61 96 79-11 15

E info@giz.de
I www.giz.de

Registered at
Local court (Amtsgericht) Bonn, Germany: HRB 18384
Local court (Amtsgericht) Frankfurt am Main, Germany: HRB 12394

VAT no. DE 113891176
Tax no. 040 250 56973

Chairman of the Supervisory Board
Martin Jäger, State Secretary

Management Board
Tanja Göner (Chair)
Dr Christoph Beier (Vice-Chair)

In charge of this newsletter:
Mecki Kronen, mecki.kronen@giz.de

Editor(s):
Anneli Ehlers, anneli.ehlers@giz.de
Patrick Schwab, patrick.schwab@giz.de

Photo Credits:
Cover Picture © GIZ/Mecki Kronen

If you no longer wish to receive this newsletter, please click here.