

perigeo NGO

Somalia ACTION



Puntland Government of Somalia:
Ministry of Fisheries and Marine Resources
Ministry of Education and Higher Education
Ministry of Environment and Climate Change
Ministry of Commerce and Industries



Qaw Fishers and Marine School

2015 - 2018



FISHERS AND MARINE SCHOOL PROJECT

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FISHING SCHOOL
QAW



Objective:

Creation of a fishery school to support fighting poverty in Somalia through the upgrading and development of the fishery sector.

Area of intervention:

Puntland State of Somalia, Bandar Siyada (Qaw).

Funded by:

Caritas Somalia.

Total Budget:

\$ 115.000

Beneficiaries:

Direct: the project direct beneficiaries are the 25 students per year involved in the Fishery School training courses and their families.

Indirect: the project indirect beneficiaries are the fishermen of the area, with a beneficial impact on the entire population of Puntland.

Expected Results:

1. Realization of a training program based on the principle of Technical and Vocational Education and Training (TVET) in line with the parameters of the UNESCO_UNEVOC;
2. Construction of the building of the Fishing School, where the training courses will take place.

Road Map:

Step 1

August 2014: Perigeo's staff members verify the feasibility of the project during a mission on the spot and they started relations with the authorities and the local representatives;

September 2014: presentation of the project proposal to the Caritas Somalia

May 2015: approval of the project

June 2015: start up phase of the project

December 2015: field mission of Perigeo team to follow up the project activities.

The students attending the training course make some demonstration of the skills acquired.

April 2016: field mission of Perigeo team to follow up the project activities. The students attending the training course make some demonstration of the skills acquired.

December 2016: field mission of Perigeo team to follow up the project activities.

First stone of the Fishery School building.

February 2018: field mission of Perigeo team to monitoring the project's state of the art, together with the Director of Caritas Somalia. The building of the school is almost completed.

Step 2

September 2018: beginning of the second phase of the project which main objectives are: the building of a dormitory for the students, the purchasing of new tools and furniture for the school and the creation of a fish processing center.

Representatives:

- Prof. Eng. **Hussein Abukar Hussein**, country manager Perigeo in Puntland;
- Dott. **Gianluca Frinchillucci**, project manager,
- Ms. **Halimo Jama**, coordinator of the Fishing School project.

Partners:

since the project is in line with the Puntland State policies and plans on TVET Education, Development and Fishery, it has obtained the approval and the support by the following Ministries:

- Ministry of Fisheries and Marine Resources**
- Ministry of Education and Higher Education**
- Ministry of Environment and Climate Change**
- Ministry of Commerce and Industries**







PROJECT DESCRIPTION

Introduction

The State of Puntland, project location, has a particularly arid territory, affected by frequent periods of drought. The absence of water makes it very difficult for the local population to carry on continuously the agricultural activities, necessary for both self-sufficiency and livestock survival. Furthermore, the Somali population is predominantly young, over 70% do not exceed 30 years, and many people do not have the opportunity to receive adequate training, being pushed to move in search of better conditions. Job opportunities are also very limited and the situation is aggravated by the lack of adequate professional preparation. The combination of these factors generated serious conditions of poverty and food insecurity for years, making urgent to find alternative solutions for food supply and livelihoods. Despite the Somali Puntland coastline is one of the best for fishing in the world, being strategic for the economic and social growth of the country, the sector is still underdeveloped and affected by several issues, such as the backwardness of navigation and fishing techniques and the phenomenon of illegal fishing.

Perigeo's intervention was complementary to the programmatic lines of the Government of Puntland, it issues regulations (Puntland Fisheries Marine Policy and Strategy) aimed to both push the development of the sector and protect the marine resources.

Qaw, the project location, is a small town of northeastern Somalia, located in the Bosasso district of the State of Puntland. Needs assessment carried out by Perigeo and the local authorities of Puntland during the feasibility study showed that the popu-



lation has poor access to education, especially at higher levels. Furthermore, employment opportunities are limited, and the majority of the population is daily looking for any job to survive. The situation is exacerbated by the total lack of job economic and social growth of the country, the sector is still underdeveloped and affected by several issues, such as the backwardness of navigation and fishing techniques and the phenomenon of illegal fishing.

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As a result, the construction of a fishing school proposing a three-year training course responded to the various requests of the local institutions and the community to support young people in building their future, avoiding them to move in search of better opportunities.

Objective and methodology

The main objective of the project was to support the Government of Puntland in filling the lack training in the fish sector, giving to many young people the opportunity to develop adequate skills to carry out a job and be self-sufficient in the future. To this purpose, the initiative included the creation of a training course based on the principle of Technical and Vocational Education and Training (TVET). According to Perigeo's experience it is extremely important to adopt participatory methodologies that allow the involvement of all the actors in the decisions and in the identification of strategies, in order to decrease conflicts, avoid dispersions and ensuring the achievement of objective.



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It consists of four fundamental moments - knowledge, decisions, implementation and verification - and involves three phases - activation of proceedings, preparation of the tools, approval and formalization. Perigeo selected only skilled local operators who share the NGO's mission and train them on innovative teaching techniques, based on versatility and individual capacity.

Selection of the location

Qaw village has been chosen for the realization of the Fishing School Project because of its strategic location. More clean respect to Bosaso, Qaw is an ancient village and a peaceful little place. Local authorities and population gave a land where build the School near the sea (200 mt.) and the main road of Qaw (250 mt.). Taking the main road to the South, after few kilometers you arrive to the new international airport, not far from the major market of Bosaso, where any assistance and goods can be easily carried to Qaw.

Description of the activities

The project started in **July 2015** with the contracting of local staff and during the first two months all the specific agreements were established. Perigeo charged Mr. Hussein Abukar, in collaboration with the primary and secondary school of Qaw, to carry out the selection of teachers with proper professional and interpersonal skills, and they created a three-year study plan following a participative approach.

After a few months, the construction of the building of the school in the identified area of Qaw started, carried out by the selected local firm.

With the intention to initiate the project as soon as possible, Perigeo signed an agreement with the primary and secondary school of Qaw in order to start the course before the completion of the building.





2016/2017 was the first academic year of activity and 25 students attended the courses of fishing and marine science. During the first year the following subjects were covered:

- Physics
- Math
- Biology
- Chemistry
- English
- Swimming
- Operating fishing vessels

During **2017/2018**, the second academic year, the following subjects were/are going to be covered:

- Diving
- List of equipment for fishing (es. boats)
- History of fishing
- Fish processes
- Fish handling system
- Biology of fishes

Currently the school staff includes:

- One head teacher
- One teacher of theory
- Two teachers of practice
- One physic-math teacher
- One biology-chemistry teacher
- Two watchmen
- One cleaner

Perigeo's mission on the spot

In February 2018 the President of perigeo, Ms. Laura Bacalini, with other staff members and along with the Director of Caritas Somalia (the financing entity), visited the project location in order to verify the progress of the activities and the construction. The building of the school is almost completed: it now consists of 4 classrooms of 6m x 8m each, 4 toilets and a water-tank. As only a few details need to be completed, we believe that in the academic year 2018/2019 the course will take place in the new location.

During the mission in Puntland, Perigeo organized in the new building a community meeting to discuss the implementation of the projects, its outcome, and the future development. This meeting was attended by Qaw Major Mr. Abdirashid Habib, the Ministry of the Environment Mr. Warsame,



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the Governor of Puntland, the manager of the school, prof. Amhed Jama, many teachers and students of the course, and other members of the community of Qaw and Bosasso.

During the meeting the Ministry of the Environment Hon. Ali Abdullahi Warsame underlined the huge potential of the fish sector in the region, saying that “the sea is plenty of fish and people still die of hunger”. He also claimed that it is crucial for the Puntland to rely on its own resources instead of depending on international aid and assistance. For this purpose, the Ministry affirmed the importance of having adequate equipment as well as investing in training of young people. In this sense, the construction of the school represents a sustainable intervention to support the development of the fish sector, producing continuous and long-term benefits for the local population. On this occasion, some students talked about their experience in the last academic years, expressing their satisfaction and interest in the subjects as well as their desire to deepen their knowledge about marine science and practical training.

At the end of the meeting the whole community expressed its satisfaction and gratitude for the implementation of the project, underlined its value and contribution to the socioeconomic development of the region.



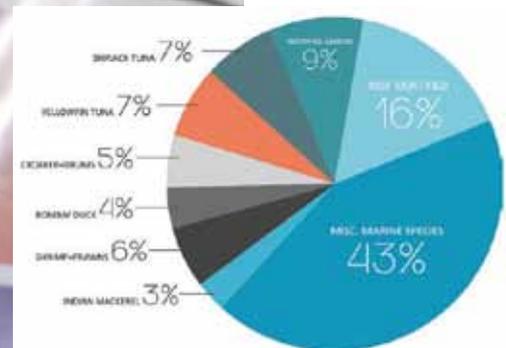
Project outcome

Thanks to the implementation of the project, **25 students** have already had the opportunity to take part in practical and theoretical training courses in the fishing sector. When the construction of the school building in Qaw will be completed, the structure will be able to accommodate about **100 students**. The skills developed by the students will allow them to work as fishermen at the end of their studies, having self-sufficient resources and becoming economically independent. This aspect will prevent the creation of migratory phenomena of

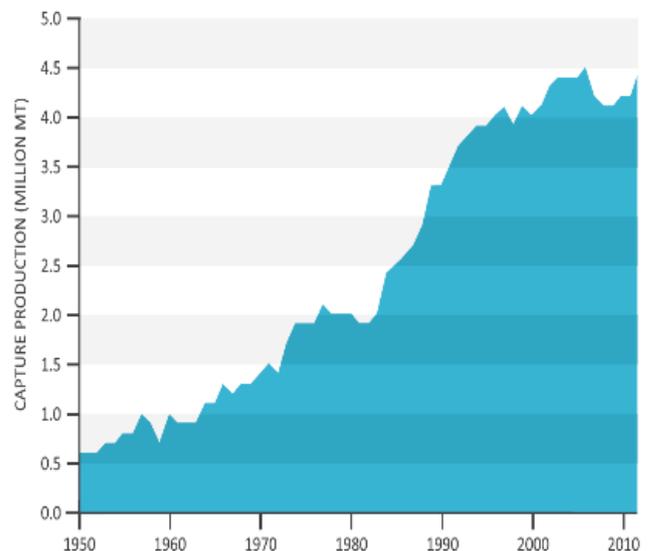
young people looking for opportunities of training or work. The implementation of the project will also generate long-term outcomes and in particular will contribute to the overall development of the fishing industry through the training of professional fishermen who will work in the sector. As a consequence, the availability of fish in local markets will also increase, benefiting the entire population.



Visit to the Fishing School in Qaw, with the authorities and the students.



Catch composition of Somali domestic fisheries (1981-2013)



Summary of economically important fishes and invertebrates found in Somali waters

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Future perspectives:

The construction of the school is just the **first step** of a wider project aimed to support the fish sector of the region.

The **second step** of the project, Perigeo is working on, foresees the realization of the following three main activities:

- 1.** Building a dormitory for the students: during the community meeting occurred in February 2018 the manager of the school underlined that the institute was built in a strategic place close to the sea in order to allow the practical training to be carried out. However, the building can be difficult to reach for the students living far away from the area. To solve this problem, we are planning to build next to the school: 5 boarding rooms, 1 kitchen, 1 dining hall of 10mx12m, 1 fence of 200mx150m, 1 workshop hall of 10mx10m.
- 2.** Buying new tools and furniture for the fishery school: the manager of the school also underlined the need to improve the equipment available to the students (primarily three fishing boats).
- 3.** Building a fish processing center: this structure would allow the fishermen and the students to process the fish for selling, enhancing the earning of their work. The industry would also create new jobs for local people and strongly support the growth of the fish sector of the region.



Summary of economically important fishes and invertebrates found in Somali waters

	Category (in Somali)	Family	Common Size Range (cm)	Common Habitat	Catch Methods in Somali Waters
Coastal and Demersal Fishes	Emperors (gacah, afisawane, maraam, afahere)	Lethrinidae	20-100	shallow to mid-depth, benthic, coastal, reefs, lagoons, seagrass	handline, trap, seine, gillnet, bottom trawl
	Goatfishes (gacane, fagalaati, labogonki)	Mullidae	20-50	shallow to mid-depth, coastal, reefs, lagoons, sandy bottoms, muddy bottoms	pole and line, trap, beach seine, gillnet, bottom trawl
	Groupers (bunmaan, caalo, gadii, yaqur)	Serranidae	14-270	shallow to mid-depth, demersal, reefs	pole and line, trap, bottom trawl
	Grunts (shoo, cafaashi)	Haemulidae	16-100	shallow, coastal, reefs	handline, trap, longline, bottom trawl
	Jacks, Scads, Trevallies (bayaad, caariyoog, doorah, barraic, jaha)	Carangidae	18-170	shallow to mid-depth, coastal or pelagic, reefs	pole and line, handline, gillnet, trawl, purse seine, beach seine
	Snappers (karaanad, qandaha, tartaba, cayir)	Lutjanidae	30-150	shallow to mid-depth, rocky bottoms, reefs	handline, longline, bottom trawl, gillnet
	Lizardfishes	Synodontidae	16-50	estuarine and marine, inshore	bottom trawl
Sharks and Rays	Seabream/Porgies	Sparidae	30-90	shallow to mid-depth, benthic, coastal, reefs, muddy bottoms	bottom trawl, longline, handline, trap
	Sharks (garrasle, fhaag, miishaac, ayfic, saracino, neelawon, baaladif)	Sphyrnidae, Lamnidae, Alopiidae, Carcharhinidae	400-760	shallow and epipelagic, reefs and oceanic	longline, gillnet, handline
Small Pelagic Fishes	Rays (wajin, baalabiy)	Dasyatidae, Myliobatidae	147-330	shallow, coastal, pelagic or benthic	longline, pole and line, handline, bottom trawl
	Sardines, Herrings (saraki, baraanaw, umballig, sayid)	Clupeidae	7-24	pelagic, coastal, schooling	seine, gillnet, trawl, castnets
Large Pelagic Fishes	Anchovies	Engraulidae	8-18	pelagic, coastal, schooling	seine, trawl, stakenet, castnets
	Bilfishes (kaadbi, faro)	Istiophoridae	230-500	epipelagic, oceanic	longline, gillnet, troll
	Tuna (tabadin, yajir-baal-cagaac, dhiigaw ama shiraw, baalad, ayicid, samuurt)	Scombridae	50-250	epipelagic, oceanic, some schooling	longline, gillnet, troll, handline, purse seine, pole and line
	Mackerel (fariik, tabadin, jaxar)	Scombridae	38-240	epipelagic, coastal and oceanic, schooling	gillnet, trawl, purse seine, pole and line
Invertebrates	Dolphinfish	Coryphaenidae	75-210	pelagic, inshore and offshore	longline, purse seine, gillnet, pole and line
	Cuttlefish (sanaani, soocane)	Sepiidae	5-50	shallow to mid-depth, demersal	trawl, jig, trap
	Squid (daxda)	Loliginidae, Onychoteuthidae	30-100	shallow to deep, neritic	trawl, seine, jig
	Lobsters (aripaasii)	Palinuridae	9.5-50	shallow to deep, reefs, rocky, muddy, and sandy bottoms	trap, diving, trawl, spear, nets
	Shrimp and Prawns (ayax baalad, gaambir, shirbi)	Penaeidae	7-34	shallow to mid-depth, benthic	trawl, seine, gillnet



Summary of economically important fishes and invertebrates found in Somali waters

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