



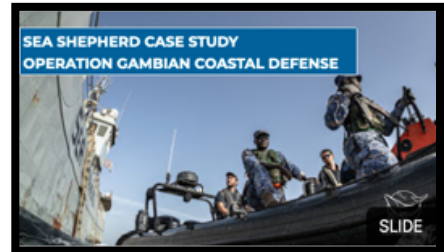
SEA SHEPHERD CASE STUDY: OPERATION GAMBIAN COASTAL DEFENSE

CASE STUDY GUIDE: PRIMARY SCHOOL (Age 8 – 11)

Case Study Summary

This Case Study connects with our Lessons: Illegal, Unreported and Unregulated (IUU) Fishing 1 - 4. It focuses on our campaign Operation Gambian Coastal Defense supporting the government of The Gambia to patrol their waters for illegal fishing activity.

This Case Study takes 25 minutes to complete.



Subjects relevant to

English, Geography, History, Science and Social Science.

Learning objectives

- Understand which IUU fishing activity is taking place in Gambia.
- Determine the impacts this has on marine species.
- Understand the causes of overfishing, by-catch and shark poaching.

Preparation

- This case study has been designed to supplement our main lessons. It can be stopped at any time should you wish to include your own discussion/questions or incorporate the lesson activities.
- Depending on whether students are working in a classroom or remotely, you can choose to discuss questions in the class or use the online learning app.
- This digital lesson has an interactive option called student devices. If you choose this option ask the students to bring their mobile phones or tablets to the lesson.
- Should you choose the interactive option, it will run a quiz during the lesson. Recommendation: only use this interactive option in classes of up to 30 students.
- Students can sign up on their mobile device to the www.LessonUp.app. They will be asked for a PIN code (this will appear automatically on slide 3 and will also show at the bottom of the screen). Students who sign up under a false name may be removed by the teacher.
- Students who do not have a mobile device can join the quiz with another student.
- If student devices is turned ON, you can opt to turn the sound and the share screen ON or OFF. Further on you can choose if you want to 'show ranking after each quiz' question. Doing so will create a competitive element, but it can be distracting. Recommendation: turn the 'show ranking after each quiz' OFF.
- The abovementioned options will also show if you click on the PIN code at the bottom of the screen.



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Lesson plan

Slide 1 Introduction

This lesson is provided by Sea Shepherd. Sea Shepherd is a marine conservation organisation with a mission to protect the ocean and marine wildlife. Sea Shepherd works globally on a range of issues impacting the ocean, running numerous direct action campaigns each year. IUU is one issue Sea Shepherd is working on.



Slide 2 Lesson action icons

During the lesson we will use these icons to identify the learning actions.



Slide 3 Introducing Gambia Coastal Defense

In August 2019 Sea Shepherd launched a partnership with The Gambia, the seventh African coastal State to join a growing effort to stop illegal fishing around the African continent through joint at sea patrols.

The waters of The Gambia are particularly rich in biodiversity, and over 200,000 Gambians depend on local fisheries for their livelihood. Sea Shepherd teamed up with the Ministry of Fisheries and Water Resources and The Gambia Navy to patrol the nine-nautical mile Special Management Area, to conserve waters dedicated to artisanal fishing and stop the routine incursions by industrial trawlers and poachers, causing the decline in local fish populations.



Slide 4 The Gambia

The map shows the location of The Gambia.





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Slide 5 Patrolling

The Sam Simon, patrolled the waters of The Gambia from the end of August with four industrial trawlers arrested for a number of offenses. When activity went quiet the Sam Simon left The Gambia for the neighbouring country of Cabo Verde in order to plan a secret return.

The departure of the Sam Simon from The Gambia gave local fishing trawlers the impression that patrols had concluded.

Nine trawlers, believing the Sam Simon had departed, were subsequently documented fishing inside the Special Management Area, with one of those trawlers detected with its net in the water just 4.5 nautical miles off the coast, deep into protected waters. With evidence in hand the Minister of Fisheries and Water Resources instructed for the trawlers to be arrested in a series of night time raids executed by armed Gambian Navy sailors along the Gambian coast. A tenth trawler, operating near the other nine, was also arrested for not having proof of registration on board.



Slide 6 Biodiversity

The waters of The Gambia are particularly rich in biodiversity as the country is positioned where the nutrient-rich Gambia River meets the Canary Current. The livelihoods of over 200,000 Gambians are directly or indirectly dependent on local fisheries, while the United Nations Food and Agriculture Organization (UN FAO) believes that more than 46% of the assessed fish populations in the Eastern Central Atlantic are overexploited.



Sardinella and other small pelagic species are of critical importance to Gambians, which is why the Ministry of Fisheries and Water Resources instituted a nine-nautical mile Special Management Area to conserve waters frequented by artisanal fishermen. However, industrial trawlers routinely come close to the shoreline, with artisanal fishermen making daily complaints to the Ministry asking for compensation for nets lost to industrial trawlers running them over. Populations of sardinella are also rapidly declining due to these daily incursions.

Slide 7 Poachers arrested

Show this video (1.31min), which shows the arrest of two trawlers: <https://www.youtube.com/watch?v=scTdhoW3zNc&list=PLx1pnhQVtbbBsKCxtgLSHH5hkrDo6c1kH&index=15>





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Slide 8 Another trawler arrested

Show this video (2.02 min), which shows patrols arresting another trawler:

<https://www.youtube.com/watch?v=3RVivfBEcVQ&list=PLx1pnhQVtbbBsKCxtgLSHH5hkrDo6c1kH&index=14>



Slide 9 Shutting down poachers

Show this video (3.28min), which summaries the campaigns purpose:

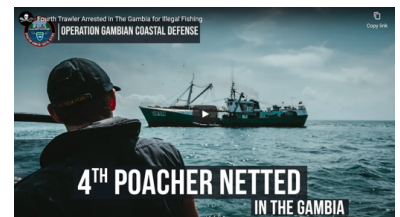
<https://www.youtube.com/watch?v=HCmG5WS4DPo&list=PLx1pnhQVtbbBsKCxtgLSHH5hkrDo6c1kH&index=12>



Slide 10 Fourth poacher arrested

Show this video (1.11 min), which shows the arrest of a fourth poacher:

<https://www.youtube.com/watch?v=PG8miKFbWi8&list=PLx1pnhQVtbbBsKCxtgLSHH5hkrDo6c1kH&index=11>



Slide 11 Second patrol in 2019

Show this video (4.20 min), which shows a summary of the second patrol in 2019:

<https://www.youtube.com/watch?v=xP3oXb7um1Q&list=PLx1pnhQVtbbBsKCxtgLSHH5hkrDo6c1kH&index=9>



Slide 12 Shark finning

Show this video (1.35 min), which shows a shark finning operation arrested:

<https://www.youtube.com/watch?v=UgSoUdDTNGE&list=PLx1pnhQVtbbBsKCxtgLSHH5hkrDo6c1kH&index=7>





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Slide 13 Return to The Gambia in 2020

Show this video (3.02 min), which shows the return of patrols to The Gambia in 2020:

<https://www.youtube.com/watch?v=PSM8gt2J1bM&list=PLx1pnhQVtbbBskCxtgLSHH5hkrDo6c1kH&index=6>



Slide 14 Arresting poachers

Show this video (2.19 min), which shows another poacher being arrested:

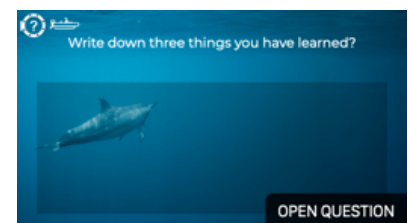
<https://www.youtube.com/watch?v=WBUEKYNtieU&list=PLx1pnhQVtbbBskCxtgLSHH5hkrDo6c1kH&index=5>



Slide 15 What did you learn?

Ask students to answer the following question using www.LessonUp.app or discuss in the classroom.

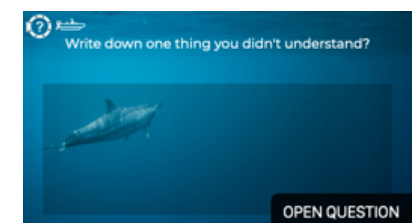
“Write down three things you have learned?”



Slide 16 What didn't you understand?

Ask students to answer the following question using www.LessonUp.app or discuss in the classroom.

“Write down one thing you didn't understand?”





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Slide 17 Close



YOUR FEEDBACK

We value your feedback and would be pleased to hear your thoughts about this lesson and activities. Any comments, suggestions or requests for further information can be sent to education@seashepherdglobal.org.