

Case Study Summary

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

This Case Study takes 15 minutes to complete.



Subjects relevant to

English, Geography, History, Science and Social Science.

Learning objectives

- Understand which IUU fishing activity is taking place in Namibia.
- 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.

Lesson plan

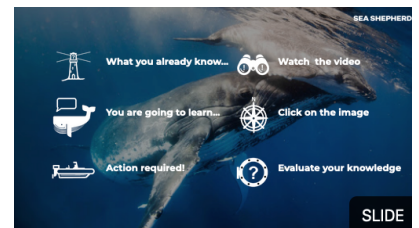
Slide 1 Introduction

This lesson is provided by Sea Shepherd. Sea Shepherd is a marine conservation organisation with a mission to protect the oceans 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 Operation Vanguard

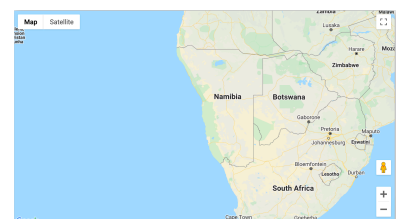
Beginning in April 2019, Sea Shepherd launched a partnership with the Namibian Ministry of Fisheries and Marine Resources (MFMR) compliance officials to carry out joint surveillance activities with the Ocean Warrior in Namibia's Exclusive Economic Zone (EEZ), to tackle Illegal, Unreported and Unregulated (IUU) fishing in Namibian waters.

These initiatives assisted the MFMR and other Namibian law enforcement agencies to force illegal and foreign industrial factory trawlers suspected to have targeted horse mackerel stocks through IUU activities, out of the Namibian EEZ.



Slide 4 Namibia

The map shows the location of Namibia.



Slide 5 Poaching

Large foreign industrial factory trawlers have been 'border hopping', sneaking into Namibia's EEZ at night, plundering fish, predominantly horse mackerel, off Namibia's famed Skeleton Coast. These illegal incursions have been worsened by heavy fog and shipwrecks in the area thereby making detection difficult.

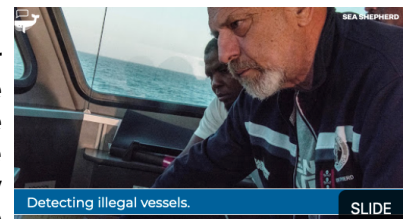
The illegal catches are transshipped to large refrigerated cargo vessels, also known as reefers, waiting to load the illegally caught fish just outside of Namibian EEZ. Refrigerated cargo vessels play a major role in IUU fishing as legal catch can be mixed with illegal catch, thereby making it impossible to verify the origin of catches. That is why the Namibian Marine Resources Act bans transshipment out at sea and only allows it to happen in port or in the presence of law enforcement officers.

As a result of these intrusions, the Ocean Warrior started patrolling the northern waters of Namibia on April 26th to stop incursions by large foreign industrial factory trawlers.



Slide 6 Detecting illegal vessels

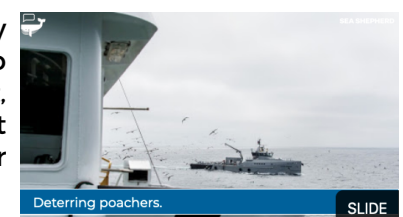
On April 26th this operation intercepted an illegal fishing vessel moving at trawling speed, 20 nautical miles south of the border between Angola and Namibia. On sighting the Ocean Warrior the illegal fishing vessel immediately changed course to escape apprehension. The Ocean Warrior came within 300 meters of the illegal fishing vessel, operating in close quarter in an effort to slow the larger vessel down. The unidentified fishing vessel had no discernible vessel markings, and unfortunately the illegal fishing vessel could not be boarded due to unfavourable weather conditions at the time.



Slide 7 Deterring poachers

The visibility of a patrolling presence off the Skeleton Coast by this joint operation caused a deterrence to fish poachers, as no further incursions occurred after the first vessel was intercepted, ensuring that the joint patrols had the intended deterrent effect enabling horse mackerel numbers in Namibian waters to recover from the fishing pressure of criminal operators.

Namibia has one of the richest fishing grounds in the world, especially after the Namibian government significantly reduced the number of legally-licensed horse mackerel fishing vessels operating in Namibian waters. But illegal fishing has recently increased. Vessels that have lost their licenses have now set up operations in neighbouring countries, with the intent of continuing to fish by illegally raiding Namibian waters.





SEA SHEPHERD CASE STUDY: OPERATION VANGUARD

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

Slide 8 Inspecting vessels

Show this video (2.00 min), which shows patrols inspecting fishing vessels:

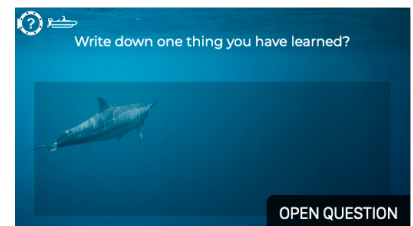
<https://www.youtube.com/watch?v=-9HyKSQtCY4>



Slide 9 What did you learn?

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

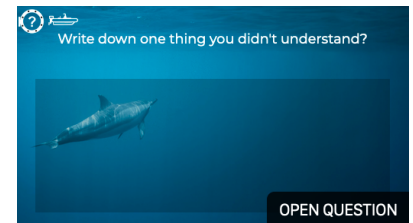
“Write down one thing you have learned?”



Slide 10 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?”



Slide 11 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.