

Case Study Summary

This Case Study connects with our Lesson Plans: Illegal, Unreported and Unregulated (IUU) Fishing 1-3. It focuses on our campaign Operation Dolphin By-catch targeting dolphin by-catch in French waters.

This Case Study takes 15 minutes to complete.



Subjects relevant to

English, Geography, History, Math, Science and Social Science.

Learning objectives

- Understand the meaning of by-catch.
- Determine the impacts it is having on marine species.
- Understand the causes of by-catch.

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.



SEA SHEPHERD CASE STUDY: OPERATION DOLPHIN BY-CATCH

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

Lesson plan

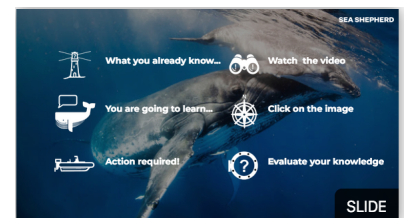
Slide 1 Introduction

This lesson is provided by Sea Shepherd. Sea Shepherd was founded in 1977 and is a marine conservation organisation working to protect the oceans and marine wildlife. Sea Shepherd works globally on a range of issues impacting the oceans, running numerous direct action campaigns each year. IUU is one area Sea Shepherd is working on to help stop illegal fishing and by-catch.



Slide 2 Lesson action icons

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



Slide 3 Operation By-catch

Each year along the Atlantic Coast, in the bay of Biscay, up to 10,000 dolphins are killed by fishing trawlers.

From January to March on the coasts of Vendée, Charente Maritime and Brittany the area is full of pelagic trawlers fishing in pairs, dragging nets between the two trawlers, and by large industrial fishing vessels.



Slide 4 Operation By-catch

Show this video 2.37 min

https://www.youtube.com/watch?v=sLQrTuHnThE&list=PLx1pnhQVtbbBWFmIGsduMvlu8YfISo_FC&index=13&t=83s



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Slide 5 French laws

The dolphins die after being caught as by-catch in the nets or from wounds inflicted by the fishermen on board the trawlers.

Although the law requires fishermen to declare any dolphins in their catch, in practice the government has not designated any regulatory body to receive this data.

This prevents any monitoring of the mortality inflicted on marine mammals by trawlers. Furthermore, no funds have been allocated to the implementation of more selective fishing techniques, even though these funds exist. Industrial fishing is heavily subsidized in France, but reducing dolphin mortality is not one of the priorities of the government's fisheries policy.

Show this video (1.36 min) which shows dolphins being caught in nets

https://www.youtube.com/watch?v=g1J8E7iuuco&list=PLx1pnhQVtbbBWFmIGsduMvlu8YfISO_FC&index=7



Slide 6 Targeting sea bass

The trawlers are targeting endangered sea bass on their spawning grounds, which is putting at risk the future populations of sea bass.



Slide 7 Sea Shepherd's mission

Sea Shepherd are working to have the state prohibit trawling in sea bass spawning grounds, monitor fishing, prevent the sale of juvenile fish and have proper recording of data.



Slide 8 Operation By-catch

Show the video (5.47 min) where our volunteer crew explain the campaign and what is taking place

https://www.youtube.com/watch?v=1I_Ykd9CCoo&list=PLx1pnhQVtbbBWFmIGsduMvlu8YfISO_FC&index=12





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Slide 9 How you can help

To support this campaign the general public can help by:

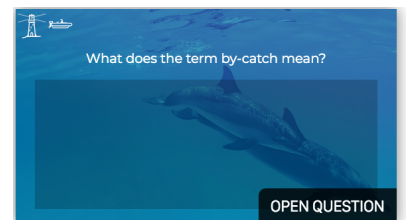
- Stop or drastically reducing fish consumption.
- Boycott small fish (juvenile fish).
- Boycott fish from trawl fishing and restricting it exclusively to line-caught fish to help reduce by-catch.



Slide 10 Question

Ask students to complete their answers to the following question using the www.LessonUp.app or discuss in classroom.

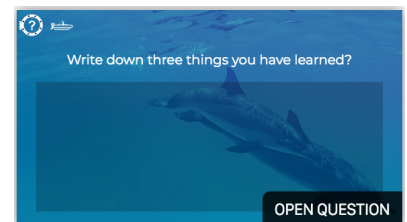
“What does the term by-catch mean?”



Slide 11 What did you learn?

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

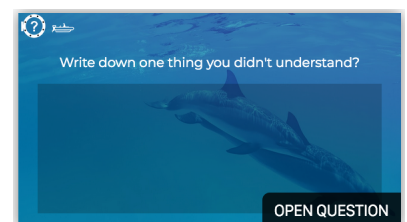
“Write down three things you have learned?”



Slide 12 What don'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 13 Close





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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.