

Educational Video Series

Ocean Education: High School Years

Title: Canada C3 Science Leg 2: Fish Telemetry and the Marine Litter Challenge

URL: <https://canadac3.ca/en/video/canada-c3-science-leg-2/>

Overview: This 3-minute video explores two research projects conducted on Leg 2 of the Canada C3 Expedition: fish telemetry and microplastics, including the 90-second Marine Litter Challenge. Discuss with your students the significance of this research, why it's relevant to all Canadians and how the learning can be applied in your classroom and your community.

Discussion Questions:

- Daniel studies the behavior of fish from the Great Lakes and into the Atlantic Ocean. Why does this research matter? What can we learn from the movement and migration of fish? Is any specie migration research happening in your community?
- What do you think of Lyne's 90-second Marine Litter Challenge? Strengths? Weaknesses? Are you aware that Canada has an Ocean Plastics Charter?
- What are scientists saying about the current state of Canada's marine environment? The global marine ecosystem?
- What are the challenges we face in protecting our marine environment? What habits are easy to change and which ones are more difficult? Why?
- Near the end of the video, Lyne talks about the need to "popularize the issue and raise awareness" and continues on to say that "science alone will not give us all the answers to the large scale environmental issues that we face; the population and the collective creation (of solutions) are super important." What do you think of this statement? Discuss your position.
- Design your own 90-second challenge in your school or community for you and your peers to do that addresses one thing that you've learned / discussed after watching this video and that could contribute to improving Canada's marine environment.

Read Bios and Learn More:

[Dr. Lyne Morissette](#) is an ocean scientist that was on Leg 2 of the Canada C3 expedition. She is the Chef de la Mission for [Mission 10 Tonnes](#)– check it out!

[Daniel Hatin](#) is a fisheries biologist who works on the St. Lawrence River. To learn more about his work check out the [St. Lawrence Global Observatory](#) and the Fish Monitoring Network

Extended Learning Resources:

1. Watch a live [Google Hangout](#) with Lyne on board Canada C3 as she chats with classrooms from across the country about her research.
2. Check out the [Great Canadian Shoreline Clean Up](#) project
3. Share your ideas with Canadian Government on moving towards [zero plastic waste](#)