



Video tutorials to support the

Best Practice Guide for Multiple Drivers Marine Research

Introduction to the MEDDLE video tutorials

- Tutorial:** The [Introduction](#) to the video tutorials can be found on the [MEDDLE for Multiple Drivers Research](#) YouTube channel.
- Speakers:** [Philip Boyd](#), Institute for Marine and Antarctic Studies, University of Tasmania, Australia
[Sinead Collins](#), University of Edinburgh, UK
[Dave Hutchins](#), University of Southern California, USA
[Kunshan Gao](#), Xiamen University, China
[Jorge Navarro](#), Universidad Austral, Chile
[Christina McGraw](#), University of Otago, New Zealand
[Jon Havenhand](#), University of Gothenburg, Sweden
- Video:** [Christina McGraw](#), University of Otago, New Zealand
- Transcripts:** Rebecca Zitoun, University of Otago, New Zealand
- Resources:** The complete resources for the *Best Practice Guide for Multiple Drivers Marine Research* are available on the [MEDDLE website](#).
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A growing body of evidence from ocean observatories is showing simultaneous changes in life-sustaining properties such as nutrients, temperature, carbon dioxide, and oxygen. [Philip Boyd]

A major challenge is to determine the cumulative effects of interactive and widespread changes to marine organisms, communities and ecosystems. [Sinead Collins]

This challenge is multifaceted. And as a research community, we need to develop a new generation of methodology. [Dave Hutchins]

We have come together to develop [resources](#) to help you tackle these problems. You will find links to each resource in the video description below. [Kunshan Gao]

The guide book introduces the challenges when predicting the future ocean using perturbation experiments. The web-based [decision support tool](#) will help you identify relevant drivers and design your experiment. The [MEDDLE software](#) allows you to test your design and statistical analysis by simulating data from 1, 2 or 3 driver experiments. The Video tutorials provide in-depth information about some of the more challenging aspects of multi-driver experiments. [Jorge Navarro]

We suggest you watch the [introductory videos](#) to learn how to identify relevant drivers and design an experiment that will actually answer your question. Next watch the [themed videos](#) to fill in knowledge gaps. [Christina McGraw]

Multiple driver experiments are challenging and these resources are designed to help you. Go hard and good luck! [Jon Havenhand]



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