

# Metadata Details

## Title

Underwater footage of the bio diversity in the Kongsfjorden-Krossfjorden twin Arctic fjords, Svalbard, Norway

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## Science Keywords

|                 |   |
|-----------------|---|
| Category        | Marine Science                              |
| Topic           | Aquatic Sciences                            |
| Expedition Year | 2023-2024                                   |
| ISO Topic       | Biodiversity and Biotechnological Potential |

## Summary

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### Abstract

The ill effects of climate change has caused a poleward shift in the distribution of species due to the rapidly rising water temperatures. This calls for an immediate need to assess and document the extent of climate change-driven animal migrations occurring in the Arctic waters. However, the extreme climatic conditions and the remoteness of the region makes biomonitoring tedious in the Arctic ecosystem. The present study puts forward a deep learning-based analysis of a large underwater video dataset that was captured from the Arctic region. The dataset was acquired by underwater cameras mounted on custom-made stainless-steel frames. The videos footages were collected over a period of 26 days from the Kongsfjorden- Krossfjorden twin Arctic fjords in Svalbard, Norway.

### Purpose

These data are intended for OBIS portal display and download for ad-hoc end-user study. This data set is associated with classification of arctic fish images collected from the Kongsfjorden- Krossfjorden twin Arctic fjords in Svalbard, Norway.

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## Data Center