

DATA MANAGEMENT PLAN

Soon after initiation, we will register our project with the **Biological and Chemical Oceanography Data Management Office** (BCO-DMO) and consult with their staff regarding required data standards. We plan to submit all experimental source data and field monitoring data to BCO-DMO concurrently with the corresponding publication but no later than 2 years after they have been retrieved in full.

In addition, we will utilize special databases to archive source data, such the **European Project on Ocean Acidification (EPOCA)** database, PANGAEA, or Dryad.

Types of data:

A: Temperature (C), dissolved oxygen (% and mg L⁻¹), pH (NIST scale) from field monitoring.
File format: ASCII; File size: ~ 10MB per year

B: pH-, DO-, and temperature-specific trait values of early life Atlantic Silversides including pre- and posthatch survival (%), time to hatch (days), somatic growth (mm/day), otolith size (mm²), and embryo oxygen consumption (mg mg⁻¹ h⁻¹) File Format: ASCII, File Size: < 1MB

The standards for data and metadata (date, time) formatting will be according to the BCO-DMO guidelines.

Data will be regularly backed up and kept in redundant copies on password-protected webservers (e.g. Dropbox). Data will remain confidential until their publication, upon which they will be openly accessible with BCO-DMO.

In addition, we will keep all of our data in redundant copies and in standard formats (Excel, Access, ASCII) and send them to inquiring individuals for the purpose of modeling or compiling metadata.