

Data description

The data are coordinate points on fish bodies for individual fish, that can be used for modelling Target Strength (TS) or creating more advanced, species-level shape model for the three fish species. The three species included are European sprat *Sprattus sprattus*, Atlantic herring *Clupea harengus* and Three-spined stickleback *Gasterosteus aculeatus*.

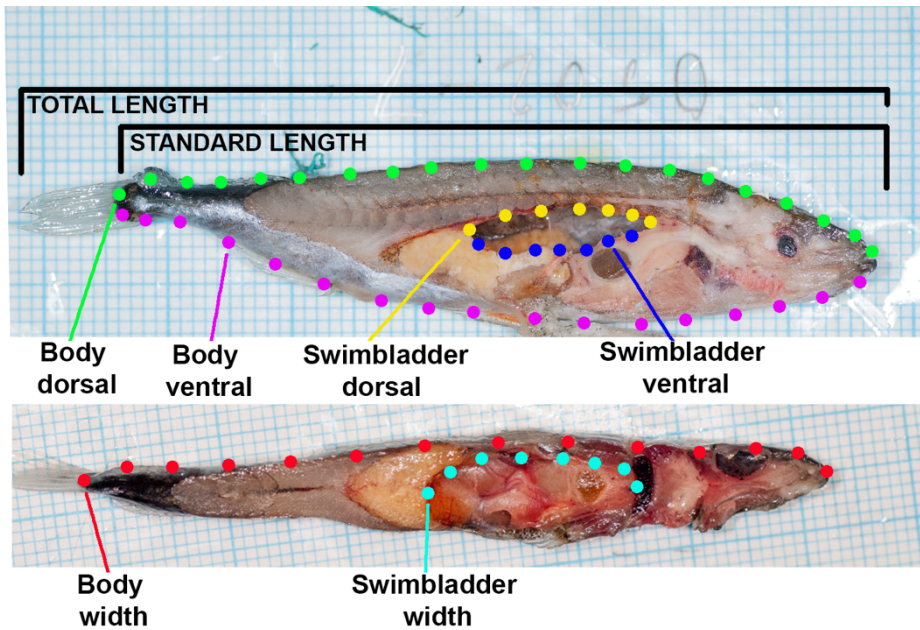
The data are from the paper: "Reassessing acoustic target strength to improve remote classification of Baltic Sea small pelagic fish" in ICES Journal of Marine Science 83, Issue 4, April 2026, fsag053.

The fields in the data are the following:

- Yr (year)
- Species (species)
- FishNo (id number of fish specimen)
- para: parameter name, with six possible values,
 - z_sbU, swim bladder upper dimension (dorsal)
 - z_sbL, swim bladder lower dimension (ventral)
 - z_fbU, fish body upper dimension (dorsal)
 - z_fbL, fish body lower dimension (ventral)
 - w_sb, swim bladder width
 - w_fb, fish body width
- x (position along the length axis of the fish in mm)
- y (position along dorsal/ventral/width axis of the fish, depending on parameter, in mm)

position 0,0 is the nose of the fish. All fish were measured with the nose to the left in the image. All other values are in relation to that value. The coordinate points were generated by manual annotation in Image J software.

The data can be freely used and shared for commercial and non-commercial purposes.



Morphological metrics explained. Colors indicating the six morphological metrics. The upper panel show dorsal (side) view and lower panel show ventral (top) view. In the lower panel, only the left-hand side is indicated, as we expect the specimen to be symmetric in this plane.