

Assignment 2: Active Acoustic Research Approaches

Holliday and Pieper (1995) state: “One of the more serious constraints in fisheries acoustics is that innovation has been suppressed in favor of standardization.”

1. What is the standardization that Holliday and Pieper refer to? Provide evidence using the literature to illustrate your agreement or disagreement with this statement.
2. An alternate way to interpret this quote is that philosophies and approaches used by active acoustic researchers differ. Characterize plankton and fish acoustic research approaches as proposed by Holliday and Pieper. Contrast fundamental differences between the two approaches (tabular form).
3. Is it appropriate to categorize active acoustic researchers into two groups? Do you see the groups within this general category converging or diverging? Explain.

Holliday, D.V. and Pieper, R.E. 1995. Bioacoustical oceanography at high frequencies. ICES J. mar. Sci. 52: 279-296.

Marking Rubric:

1. (6) definition (2); opinion evidence (4)
2. (9) table of at least 4 items
3. (5) two groups appropriate (1); converge or diverge (1); explain (3)