

Session/Workshop: W2 ICES/PICES cooperative research initiative: towards a global measurement of zooplankton

Abstract

Zooplankton Production and Metabolic Activity in the North Atlantic and Adjacent Seas

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Zooplankton productivity and metabolic activity were calculated using individual specific rates obtained from mass scaling equations. This size based approach basically combines concurrent assessments of total mesozooplankton and total abundance to derive a mean mass per individual. The attempt widely covers the ICES area based on a number of time series available. The results were fairly in agreement with the outcomes of other more laborious approaches, such as biochemical measurements and classical incubation methods. Reasons for differences will be discussed. There are meridional shifts and changing strength of seasonal patterns.