

# **Building global ocean profile-plankton databases for scientific research: World Ocean Database 2001**

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During the past 10 years the international ocean data management and scientific communities have worked together on ocean data management projects that have resulted in the development of the comprehensive ocean profile-plankton databases that are available internationally without restriction.

This presentation describes the results of these efforts which have culminated in the release of World Ocean Database 2001. Some scientific results made possible with these comprehensive databases will be presented. In particular, a comparison of observed upper ocean temperature changes using the data from World Ocean Database 1998 and results of Ocean General Circulation Models forced at the sea surface (NCEP/NCAR surface fields, sea surface salinity,...) will be given.