**PREFACE Milestone Report**

**Milestone#:** MS38

**Milestone name:** Meso- and bathypelagic records

**WP#:** WP12

**Lead beneficiary:** TI

**Delivery date from annex I:** 18.02.2015

**Final completed database:** 09.03.2017

**Milestone achieved:** YES

**Comment:**

The Thuenen Atlantic Midwater Ichthyonekton (TAMI) database of historical records from the 60-80ies contributes significantly to PREFACE WP12.1 objectives by compiling extensive historical information on midwater fish communities in the Atlantic. It specifically contributes to D12.1 and D12.2, which in turn will contribute to D13.3, and MS41 and MS42 and the overall PREFACE objective: “To improve understanding of the cumulative effects of the multiple stressors of climate variability, greenhouse induced climate change (including warming and deoxygenation), and fisheries on marine ecosystems, functional diversity, and ecosystem services (e.g., fisheries) in the Tropical Atlantic”.

Description: The TAMI database encompasses data on meso- and bathypelagic ichthyofauna in the North and South Atlantic covering tropical, subtropical, temperate and subarctic regions.

TAMI contains data from 410 fishing stations with information on almost 487000 specimens of fishes listed in 85600 records. Data was collected during 13 research cruises from 1966-1986 conducted by the Thuenen Institute for Sea Fisheries.

**Note:** The database was initially error-checked in February 2015. Further date errors were corrected in August 2015, taxonomy of species was checked and updated in February-March 2017 in accordance to new findings obtained during PREFACE cruises WH375 and WH383. The data base will be subject to further corrections and feedback information on inconsistencies and other mistakes is welcome (heino.fock@thuenen.de).

TAMI is available to all PREFACE partners and will be further made available after the end of the PREFACE in PANGAEA. An excerpt of the data with regards to the North-Western Atlantic (not directly PREFACE area) is already publicily available under <http://mar-eco.no/sci/data_management2/news/new_page.html>.