



Norad



R/V DR. FRIDTJOF NANSEN



06.09.2019

CERTIFICATE OF PARTICIPATION

This is to certify that **Person in question** participated in the PELAGIC STOCKS AND ECOSYSTEMS SENEGAL-MOROCCO LEG 4.1 SENEGAL and GAMBIA in the period from 26 September to 07 October 2019 on board the *R/V Dr. Fridtjof Nansen*.

During the cruise, a wide range of survey techniques and equipment were applied. Pelagic fish resources were covered using multifrequency hydro acoustic methods and identified using bottom and pelagic trawl. Meteorological and current measurements, and certain hydrological parameters were collected continuously. On dedicated environmental transects, the physical and chemical properties of the seawater were investigated using CTD, and samples were collected with plankton nets for studies of zooplankton, fish-larvae and eggs, as well as microplastics and trace metals.

Modou Lamin CONTEH was working in the fish laboratory with taxonomic identification, biological sampling and quality control of collected data from our trawl catches. He has performed his duties to the highest standards.

Fabian Zimmermann
Cruise Leader

