



## **The origin of the North Atlantic Deep Water components in the South Atlantic**

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The main task of the research is to determine the origin and the pathways of the North Atlantic Deep Water (NADW) components and in the South Atlantic.

There are some conceptions about the NADW structure. Classical concept [Wust, 1935] proposed that the NADW consists of 3 components: upper, middle and lower waters. From another point of view, which is based on CFC's distribution [Rhein et al., 1995], the NADW should be divided into 4 parts: the shallow upper water (SUNADW), the layer from the Labrador Sea and two lower layers the old and the overflowing (LNADW-old, OLNADW). During this work the structure of NADW including 4 layers was redefined and described more accurately, in a counterbalance to aforesaid conceptions [Rhein et al., 1995].