

## **RV MARIA S. MERIAN – MSM110 „ECOTIP”**

06. - 29.08.2022, Reykjavik - Reykjavik

**4<sup>th</sup> Weekly Report** (12. - 29.08.2022)



The last working week of cruise MSM110 was dominated by sampling Kong Oskar Fjord, where, as in the other fjords before, three permanent stations were conducted. The program was similar to the other long-term stations, with sediment traps deployed for 24 hours, CTD and sediment sampling. Samples were also taken by zodiac near the, rarely found, freshwater outlets, so from a chemical point of view, we may hope to be able to characterize the freshwater sources well. After finishing the last permanent station on the morning of 24.8.2022 we started our return journey towards Reykjavik, which first led us back to our first station in the northern part of the Denmark Strait. Here we were able to complete the initial sampling with multiple nets and sediment cores. During three more stations we sampled the Denmark Strait extensively with CTD, multinet and sediment samples, and successfully completed the work in the early morning hours on 28.8.2022. We are now heading directly towards Reykjavik and expect our arrival on 29.08.2022 around 9am.

Greetings on behalf of all cruise participants,

Helmuth Thomas

(Helmholtz-Zentrum Hereon)