

Executive summary:

Age reading exchange of Greenland halibut (*Reinhardtius hippoglossoides*) in 2022

The Greenland halibut stocks are up for benchmark in February 2023 and the assessment of the North-eastern Atlantic stock of Greenland halibut at [ICES Arctic Fisheries Working Group \(AFWG\)](#) is to be updated with age data. To do this, we need to assess the method used to determine ages of Greenland halibut. Age readers from three countries participated in this exchange: Norway, Iceland, and the Faroe Islands. No physical otoliths were exchanged between readers. Instead, images of otoliths were sent in from Norway, Iceland, Greenland, and Faroe Islands. All images were taken of the whole, right otolith but unfortunately, the procedures of photography varied between the countries. Nonetheless, the results are presented as graphs and tables with percentage agreement (PA), Co-efficient of Variation (CV), and Average Percentage Error (APE). The overall CV of 36 % for all readers and 25 % for advanced readers is too high. There is also a bias, particularly for younger fish. An international workshop should therefore be planned, preferably within two years.