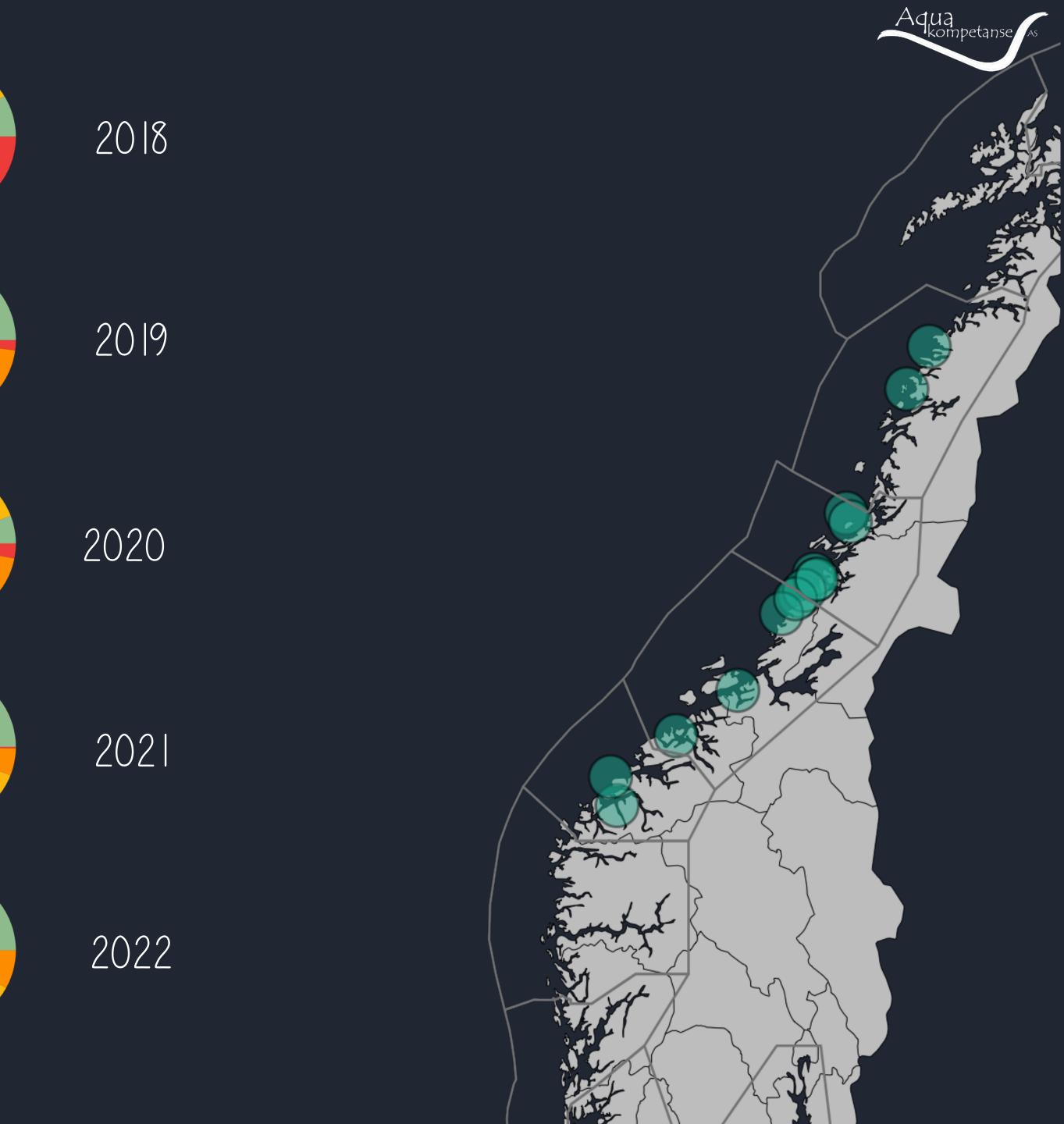


Changes of welfare over the years

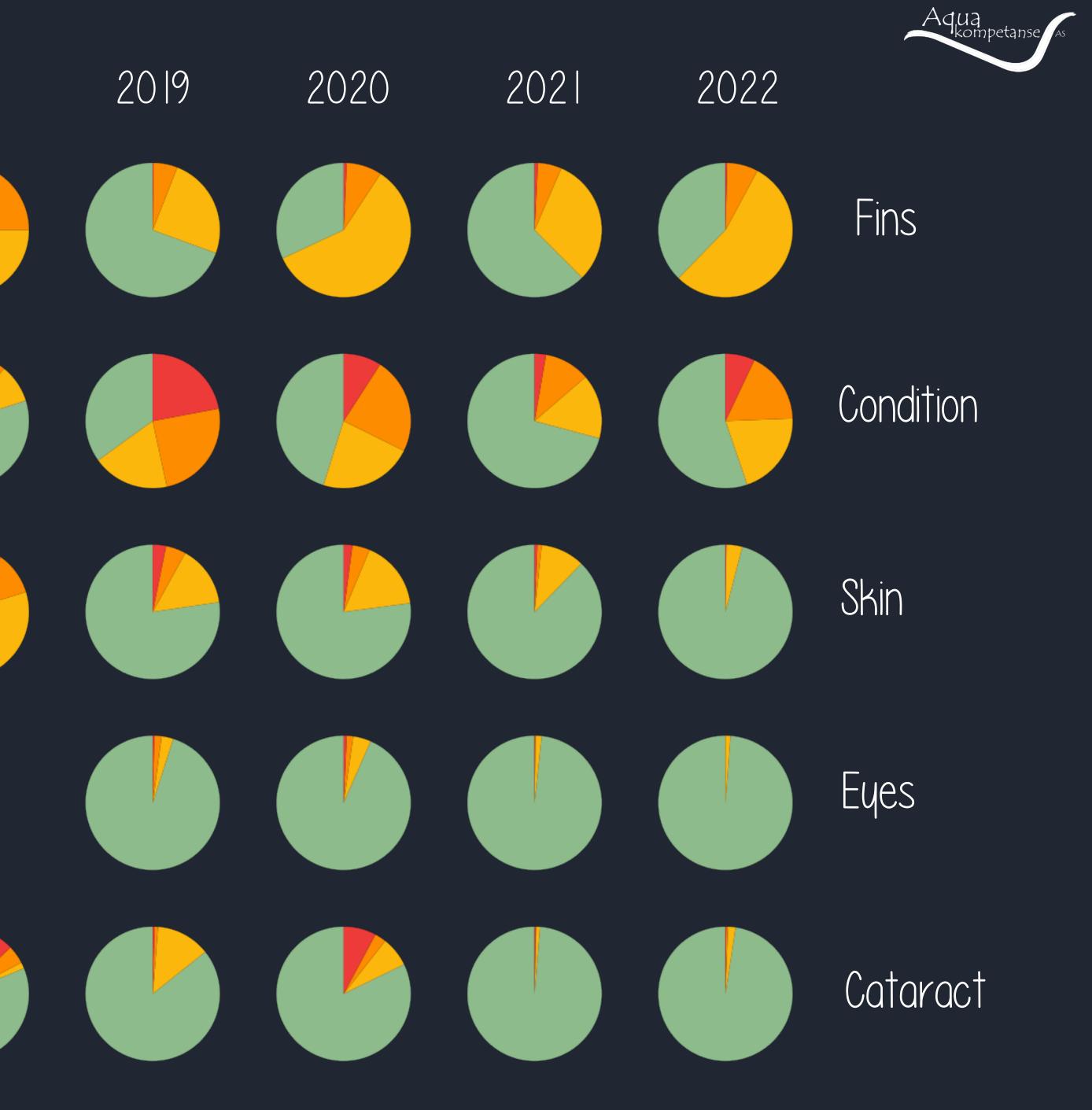
Good Slightly reduced Clearly reduced Severely reduced



Changes of welfare over the years

2018

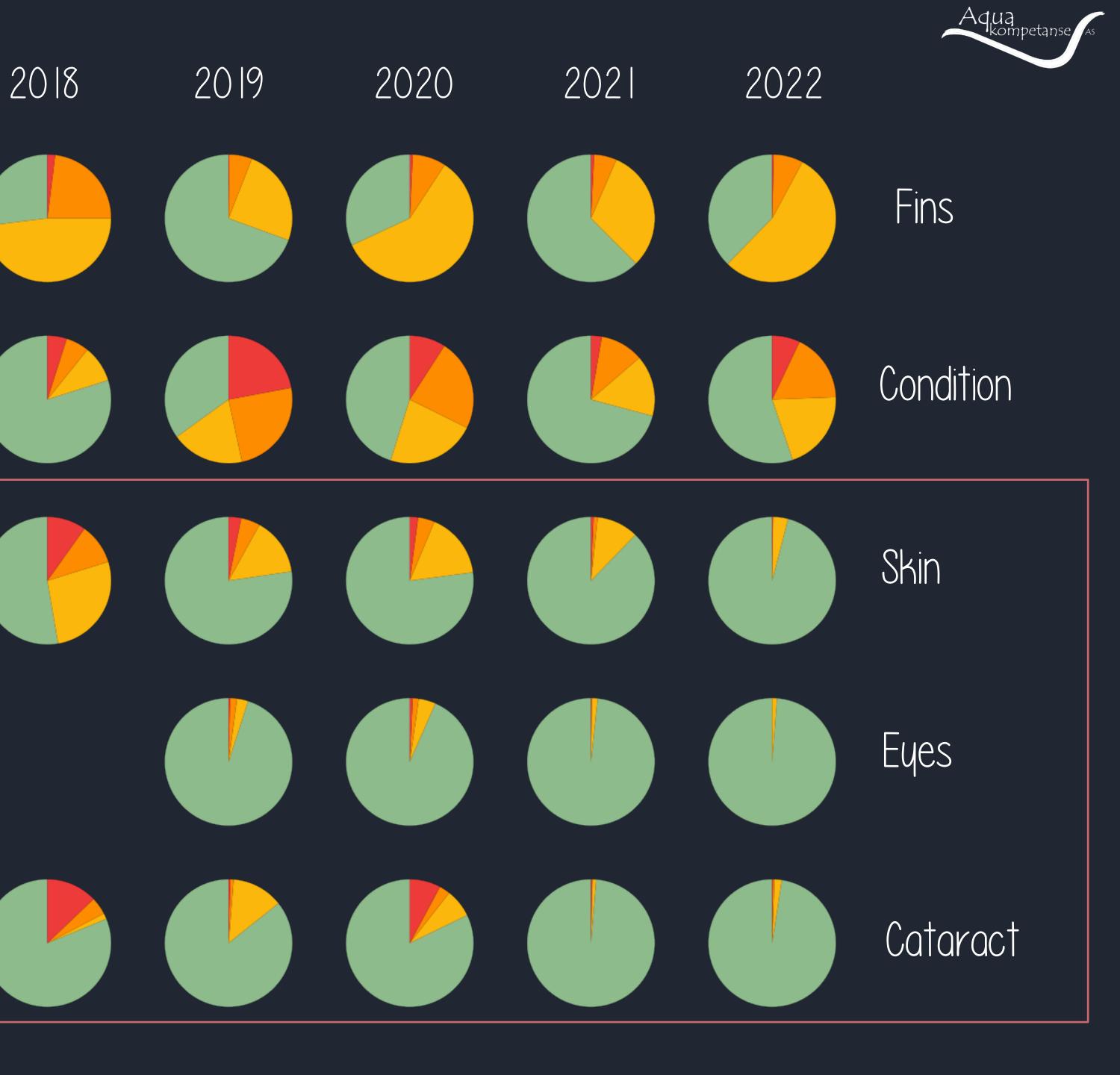
Good Slightly reduced Clearly reduced Severely reduced



Changes of welfare over the years

Good Slightly reduced Clearly reduced

Severely reduced







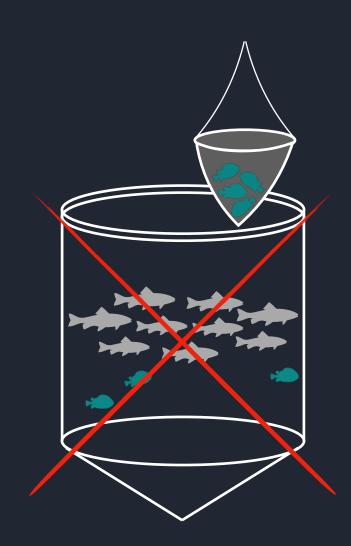
1111 What has changed in the recent years?

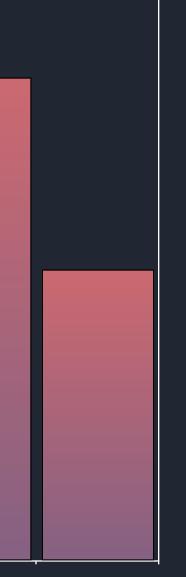




Number of stocked lumpfish (x 1000) 2015 2016 2017 2018 2019 2020 2021 2022

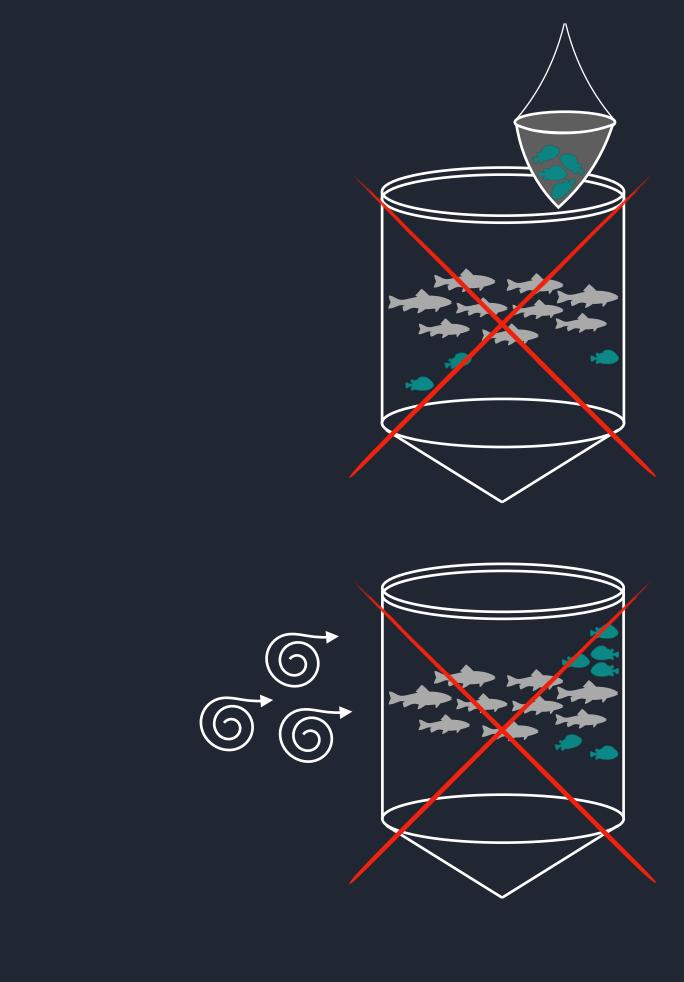






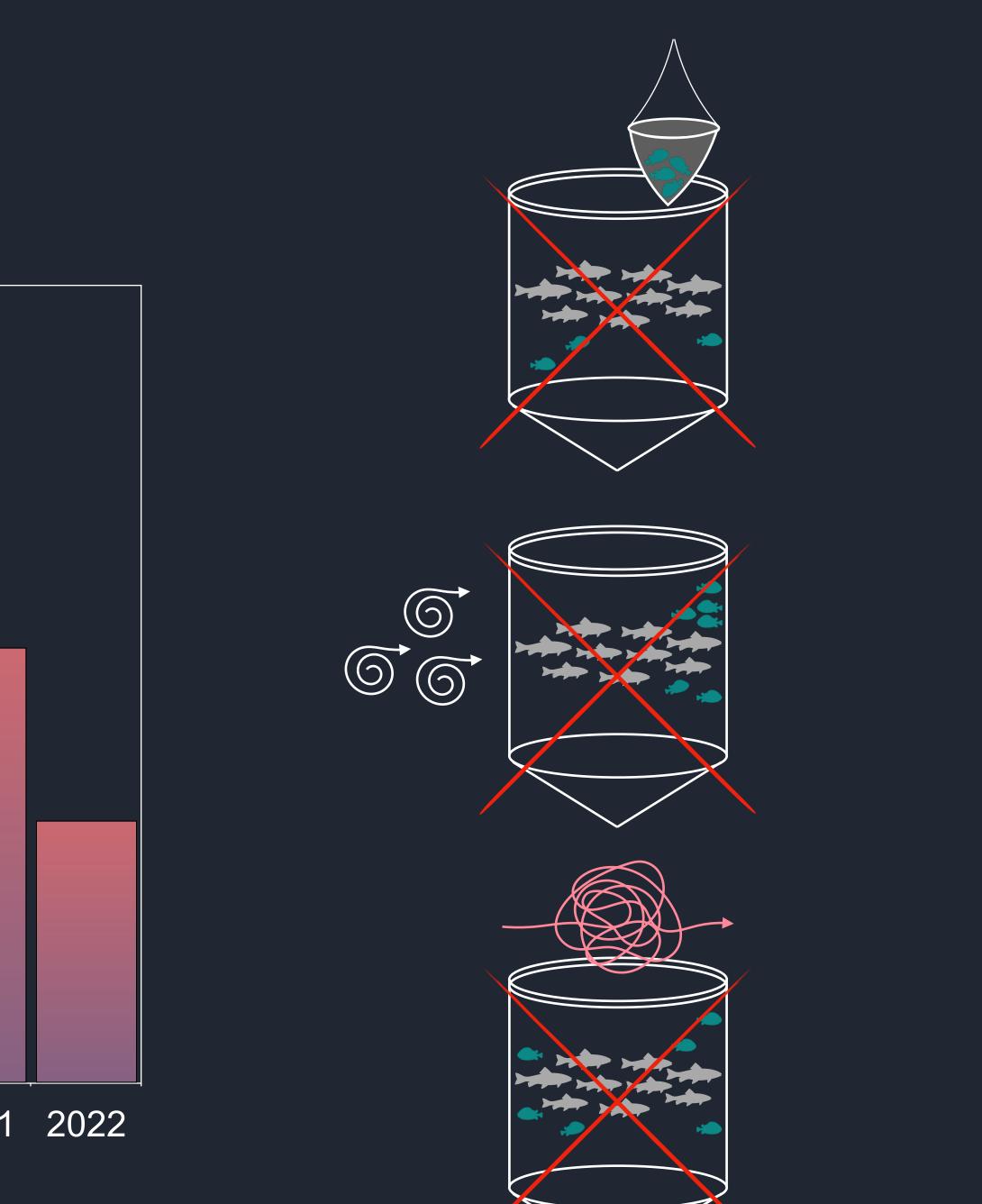
Number of stocked lumpfish (x 1000) 2015 2016 2017 2018 2019 2020 2021 2022





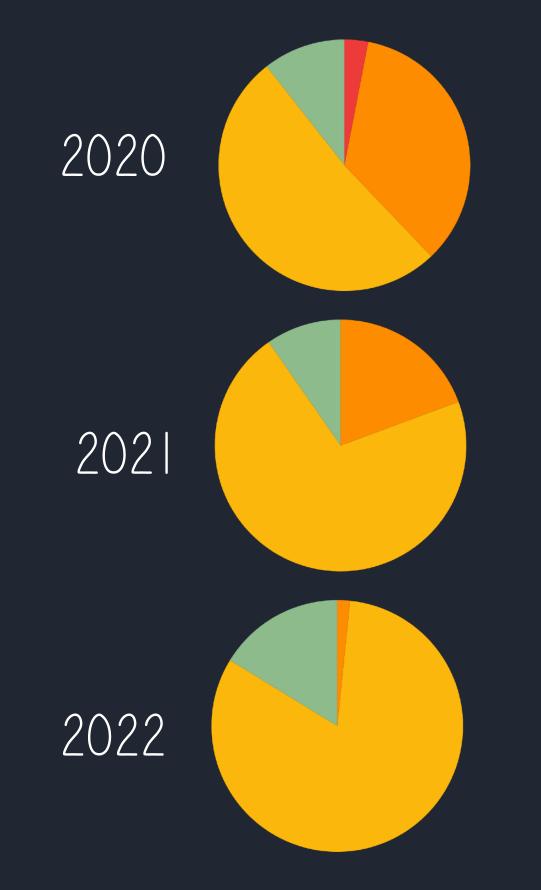


Number of stocked lumpfish (x 1000) 2015 2016 2017 2018 2019 2020 2021 2022





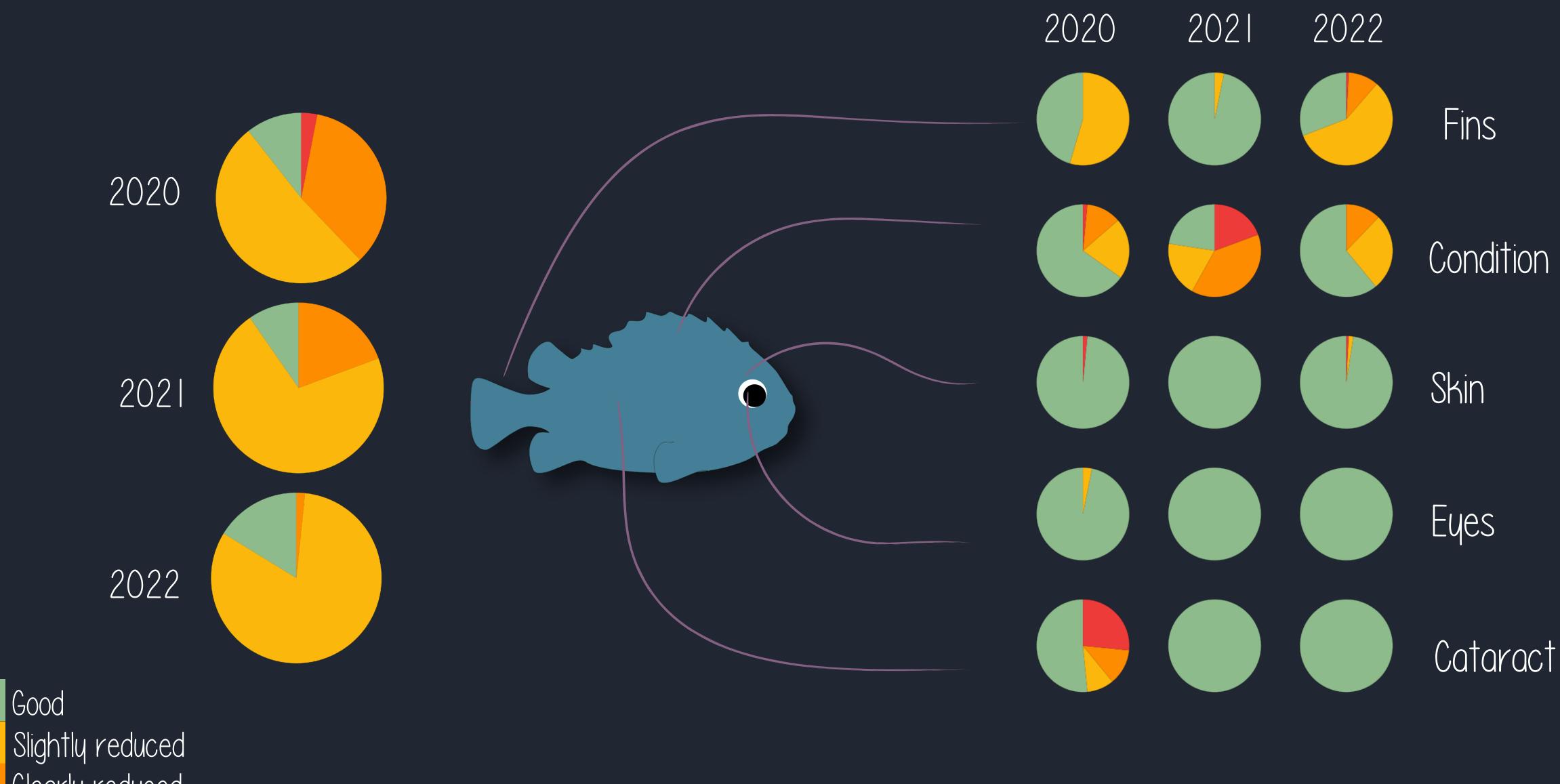
More focus on transferring robust lumpfish at sea



Good Slightly reduced Clearly reduced Severely reduced



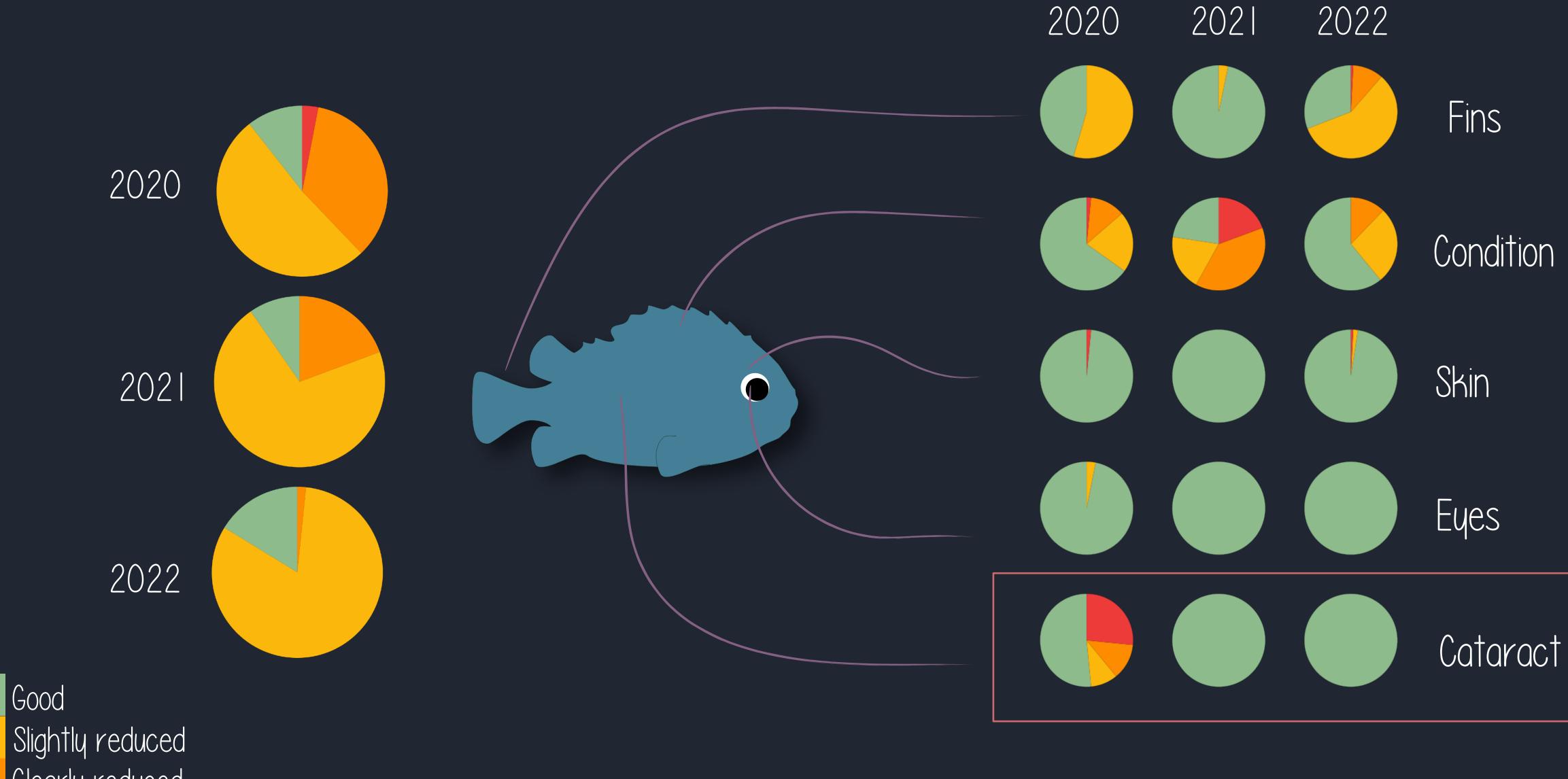
More focus on transferring robust lumpfish at sea



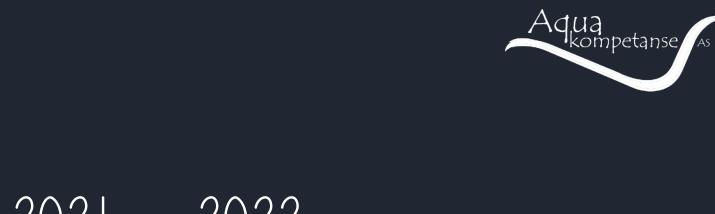
Clearly reduced Severely reduced



More focus on transferring robust lumpfish at sea



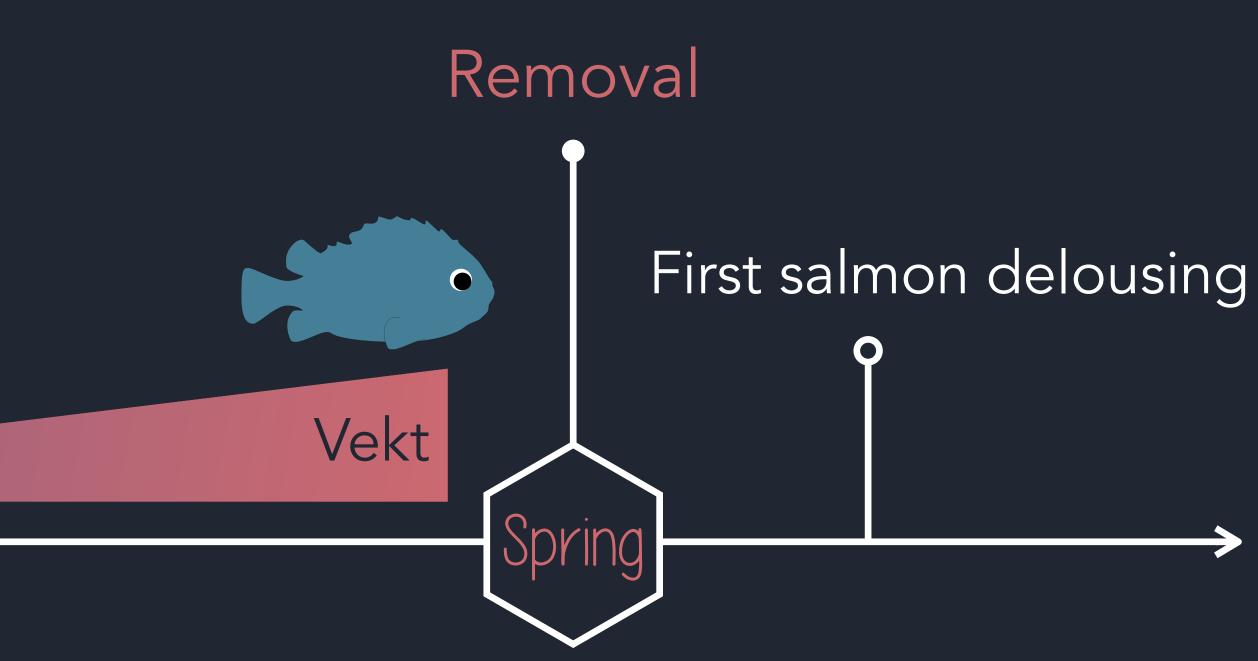
Clearly reduced Severely reduced



Shorter time in sea cages

Transfer at sea Fall

6-7 months in sea cages





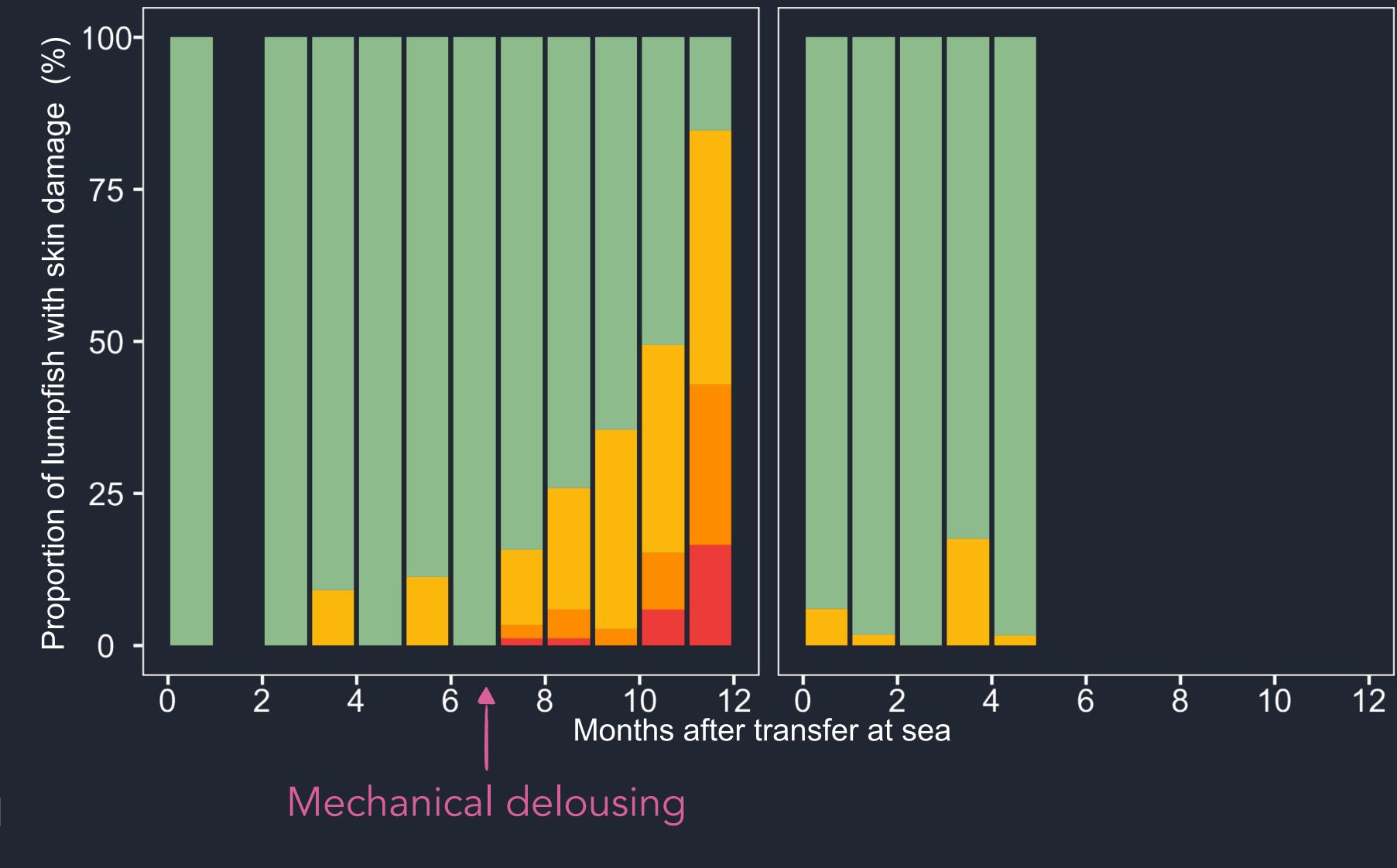
Aqua kompetanse





Shorter time in sea cages

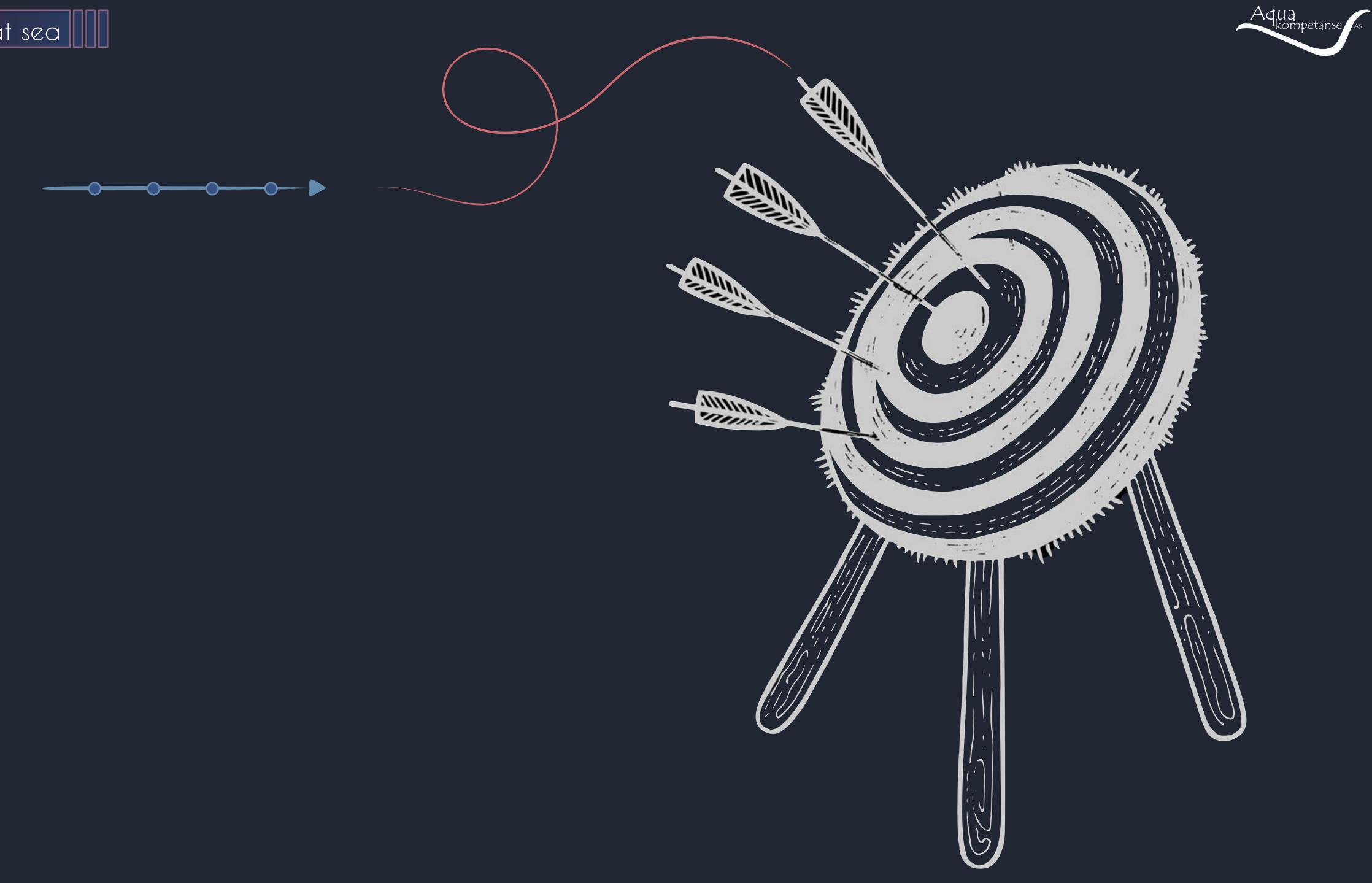
2020

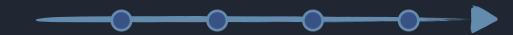


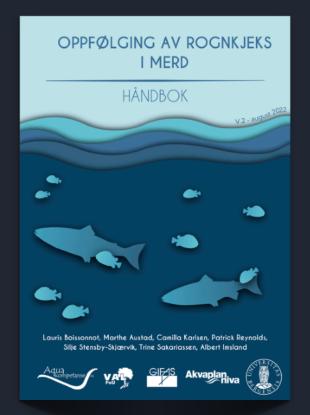
Good Slightly reduced Clearly reduced Severely reduced



2022

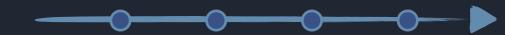


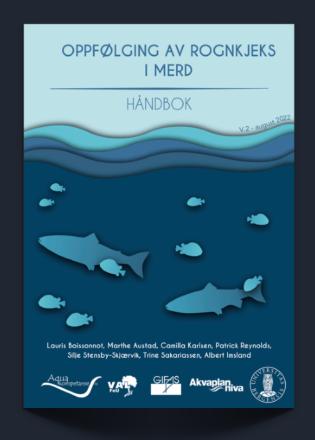


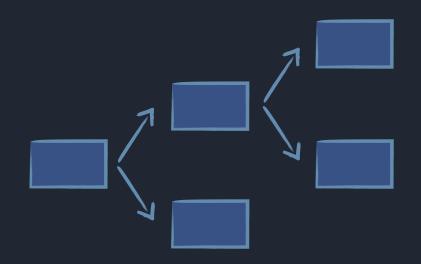


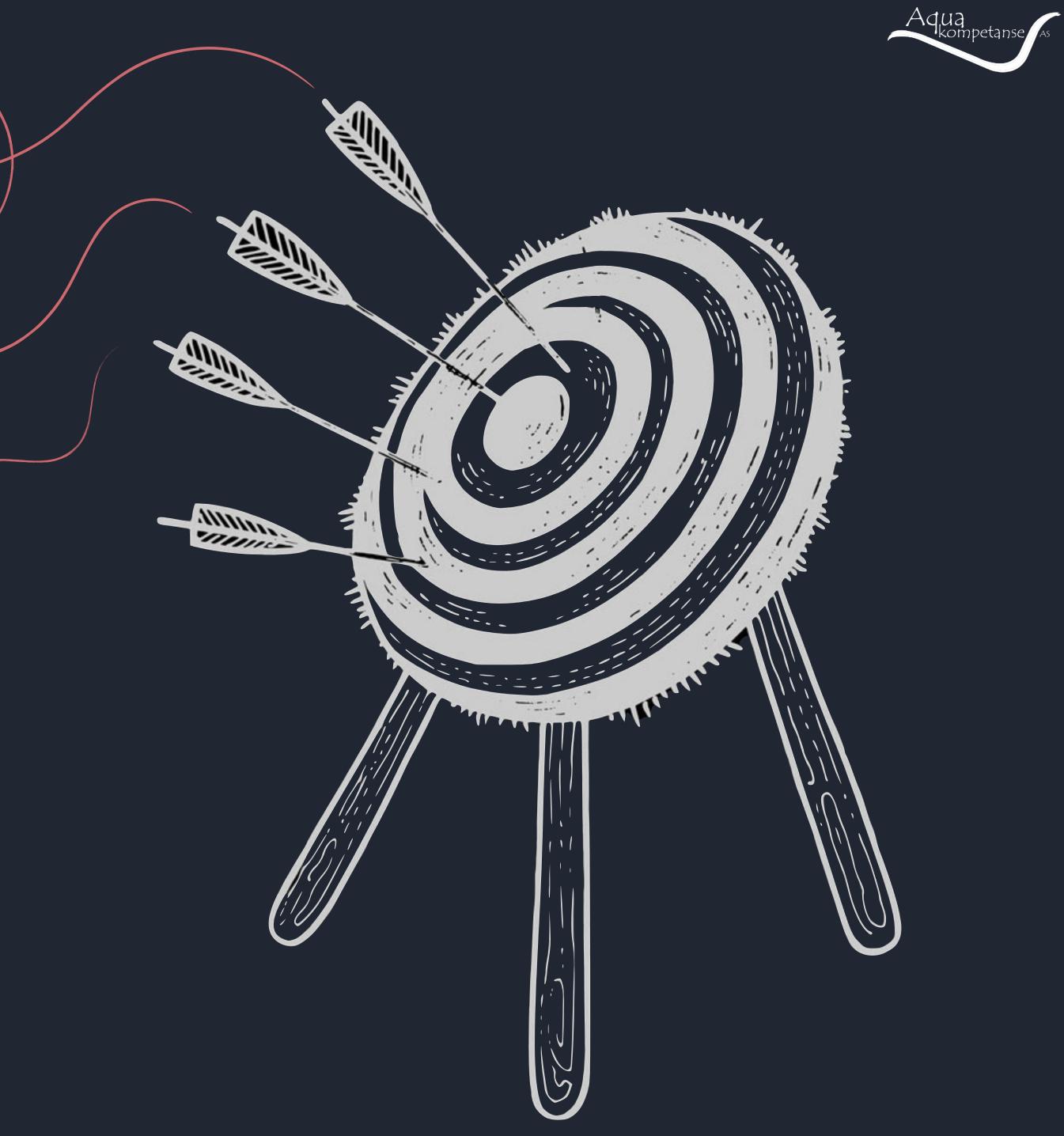
https://aqua-kompetanse.no/lumpfish/





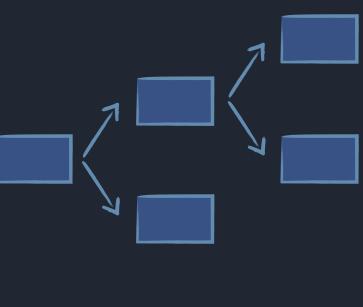














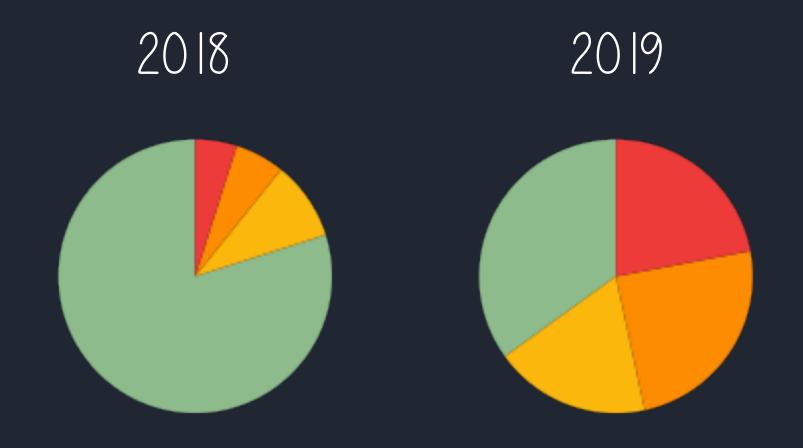




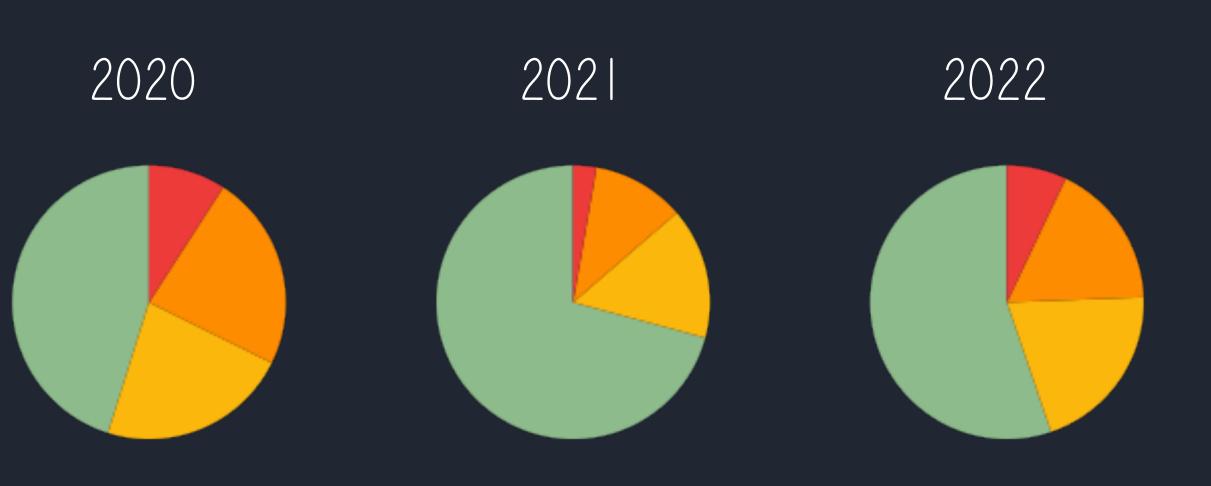


Some challenges still remain

Not enough control of nutritional status



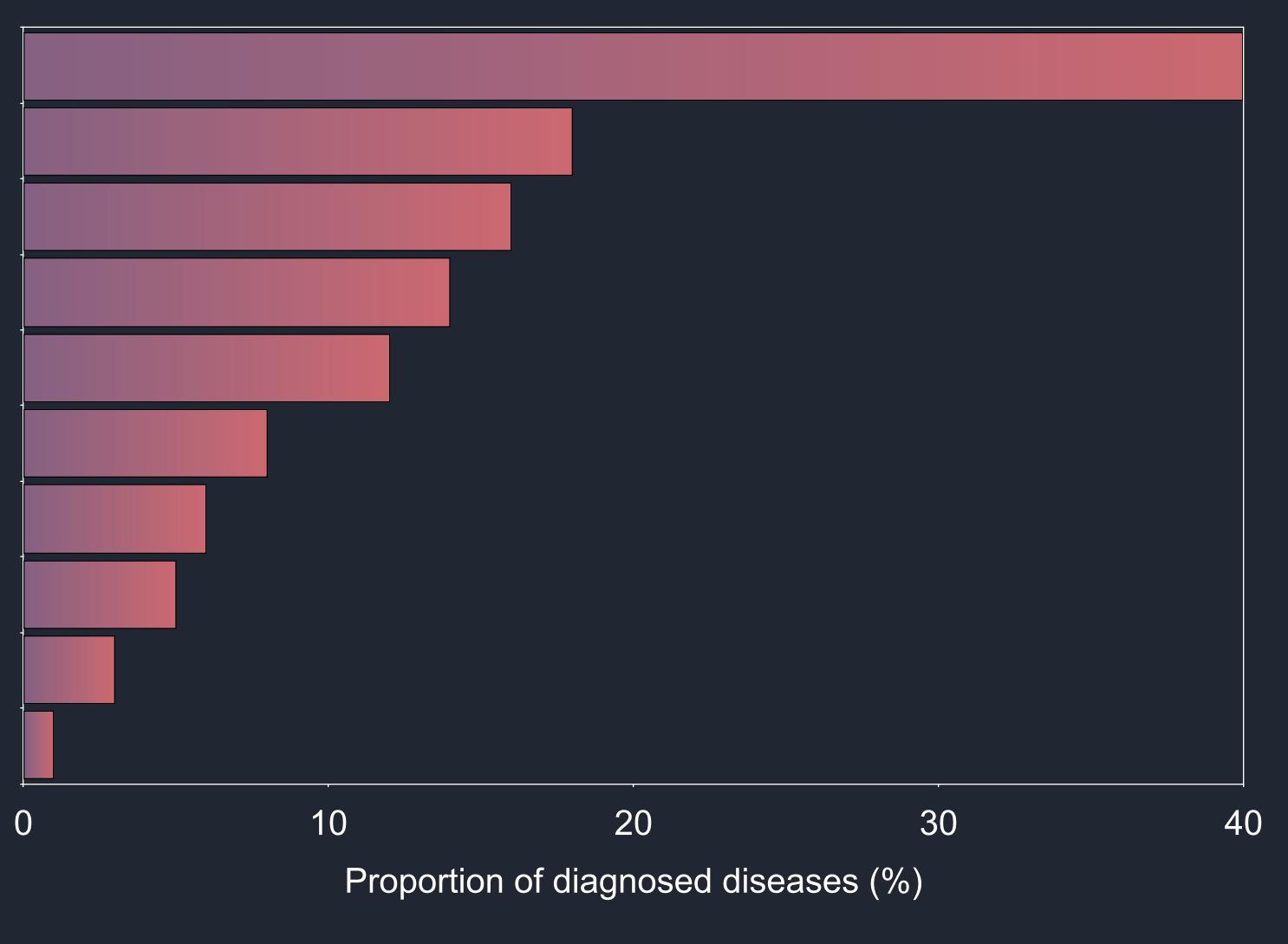
Good Slightly reduced Clearly reduced Severely reduced





Diseases

Sepsis Flavivirus Tenacibaculosis A. & typical furunculosis AGD Winter ulcer Crater sickness Pasteurellosis Pseudomonas Vibriosis







lauris@aqua-kompetanse.no

