

Sharing country experiences from MSFD 1st cycle, measures under WFD to support MSFD, progress towards MAI/CART and reflections on MSFD 2nd cycle

Experiences from Germany

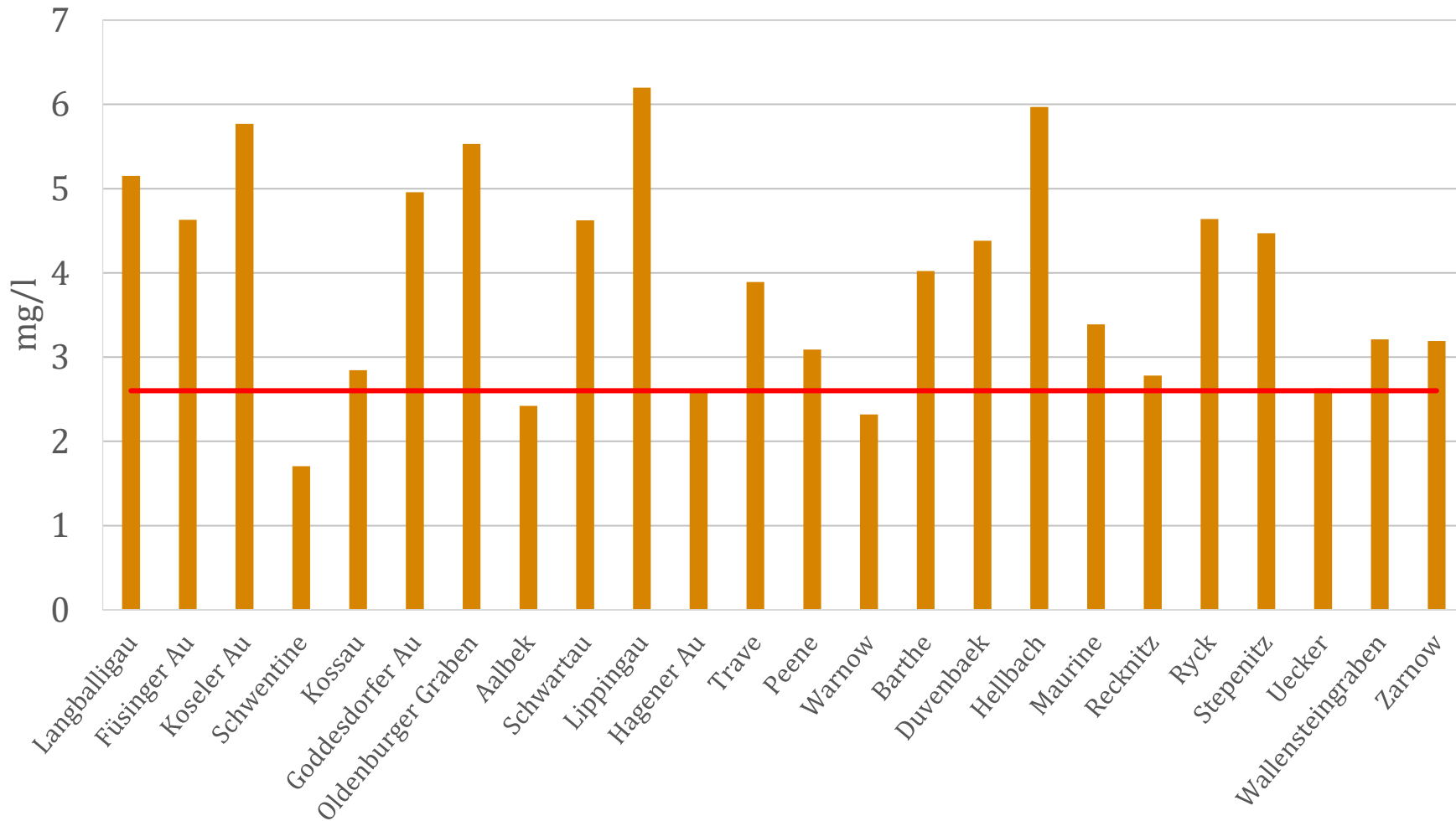
Julian Mönnich

Introduction

- Eutrophication is one of the main threats to the biodiversity of the Baltic Sea and is caused by excessive inputs of nutrients to the marine environment.
- To combat eutrophication Germany implements measures to achieve country allocated reduction targets of nutrients set by the HELCOM BSAP:
 - For nitrogen a 2.6 mg/l management value is used that was specifically set for rivers so that the coastal and marine waters reach good status with respect to eutrophication.
 - For phosphorus a WFD orientation value is used that was type specific set for rivers with respect to eutrophication.

Progress towards MAI/CART

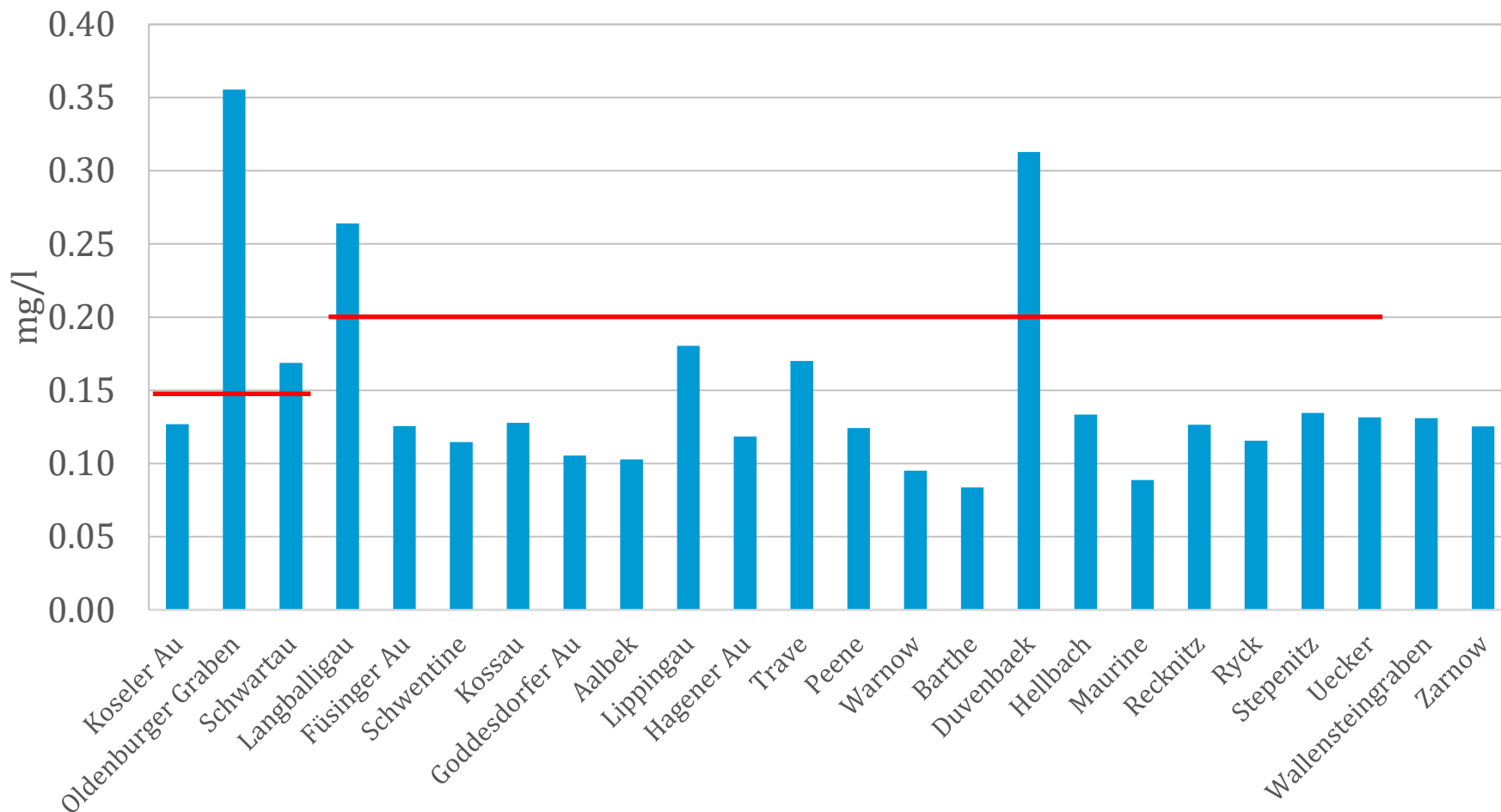
5-year-average of the TN concentration 2011-2015



Source: MSFD Status Report Baltic Sea 2018

Progress towards MAI/CART

5-year-average of the TP concentration 2011-2015



Source: MSFD Status Report Baltic Sea 2018

Experiences from MSFD 1st cycle

- All WFD measures to reduce nutrient inputs were carried over and reported under MSFD
- New measures implemented under the MSFD
 - ✓ Promoting NO_x reduction measures for ships
 - ✓ Support for the establishment of a nitrogen emission control area (NECA) in the North and Baltic Sea
 - ✓ Implementation of the Transboundary Air Pollution Convention (Gothenburg Protocol)
 - ✓ Implementation of MARPOL (Annexes IV and VI)

Source: MSFD Programme of Measures for Marine Protection in the German Parts of the North Sea and the Baltic Sea

Experiences from MSFD 1st cycle

Promoting NO_x reduction measures for ships

Measures:

- 1) Introduction and/or support of corrective action programs (e.g. Scrubber, LNG-/ Dual-fuel engines)
- 2) Support for the development of land-based and mobile LNG infrastructure in ports
- 3) External power supply of seagoing vessels (e.g. Support for the development of land-based electrical connection or operation of power barges)
- 4) Examine the introduction of a European NO_x-fund using Norway as an example
- 5) Support and/or expand existing concepts for emission-based port fees



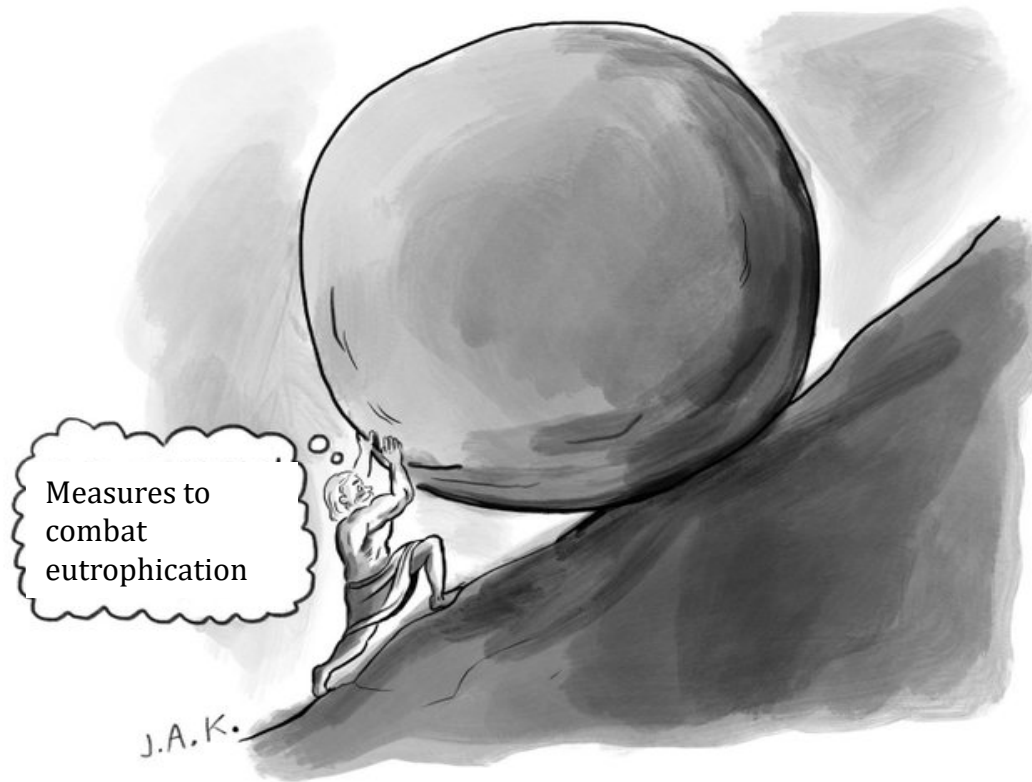
www.hamburg.de

Source: MSFD Programme of Measures for Marine Protection in the German Parts of the North Sea and the Baltic Sea

Reflection on MSFD 2nd cycle

- Process for the 2nd cycle of the MSFD has just started, first workshop to be held next week
- Submission of proposals for new measures and revision of the existing measures
- Synopses of new HELCOM Actions will be taken into account in the process
- German Environment Agency intends to introduce further land-based measures, but this will be challenging since such measures fall under the WFD

Many thanks for your attention!



Source: The New Yorker