Writing workshop SEAwise review T4.1

8-10 February 2023 – Sebastian, Elliot, Esther

# Agenda

* Status of case studies and align structure
* Status of manuscript
* Status of database cleaning and structuring

# Notes 8 Feb 9:00-10:00 – Elliot, Esther

Manuscript Introduction

* Esther will have another go at the text, as it hasn’t been revised since we changed the aim of the paper from descriptive to more focus on the case studies.

Manuscript methods

* If long, just give summary in main text, and refer to Review Protocol in Supplementary material.
* People that want to repeat our review should not go to the deliverable reports, but to the Review Protocol in this manuscript.
* Mention that protocol was built and locked before data analysis.
* Within the manuscript, have paragraphs on the search, screening & data extraction collapsed into one paragraph. There can be one sentence that refers to each element in the Review Protocol.
* Have another paragraph in the methods on the review outcome (e.g. number of search records, % excluded) with the Sankey diagram + how we did the analysis.
* PRISMA figure on the fate of papers can be placed in the Review Protocol.
* Probably can take text for Review Protocol directly from the deliverable reports. We can explicitly state that the protocol was taken from these reports.

Manuscript General results

* Take figures/code from D4.1 report.

Manuscript Case studies

* Have one well known and one not well known: bycatch PET species (Sebastian) and marine litter (Elliot).
* Two case studies is probably enough, but we could consider adding a third very well-known one, e.g. impact on benthos.
* While analyzing, check the Direction of relationship for the studies in your case study so we are sure that these are correct.

Manuscript Concluding statement:

* Idea for future studies: update the database at the start of a new project.
* Think about this more when having finished the case studies.

Publishing the database

* Elliot aims to have the R Shiny app published with the data from all reviews, together with the synthesis paper of the reviews.
* This manuscript should thus be linked to this web app.

Ideas for journal

* Would be good to have one mind, so we know the number of words and format to keep in mind.
* Esther will come up with suggestions and send them around.

Timeline:

* Submit before summer 2023
* Finish case studies before Easter (9 April).

# Notes 8 Feb 10:30-12:00 – Sebastian, Esther

* We managed to fix Sebastian’s Github and to do a trial commit and push to the SEAwise Github.
* Sebastian agreed with deadline of having finished case study before Easter.
* On the topic of discarding/bycatch: Sebastian will have to look how broad or how narrow the case study can be, depending on the number of papers available. The case study should reflect one with lots of evidence (as opposed to the other case study on litter), so it could well be the topic will be broad (e.g. multiple ecosystem components).
* For the bycatch case study, Sebastian should probably have a look at the Pressure category ‘Bycatch’ as well as ‘Bycatch reduction & selectivity’ to see if they both make sense to include or only one of them.
* Also be aware of that the Pressure Type and Pressure Category ‘Discarding’ in the review is only used in the sense of providing organic matter/food to the ecosystem, e.g. to seabirds, marine mammals, scavengers.

# Notes 8 Feb 13:30-14:30 – Sebastian, Esther

Manuscript Introduction

* OK that Esther will have another go at it.
* Remember that we need still quite some good refs, such as for why EBFM is not so well developed in EU as it is in countries like US, Austrialia etc. Check also the Bastardie & Brown paper Sebastian added as a reference on this topic (line 32).

Manuscript Methods

* To put it in main text or the supplement may boil down to the preference of reviewers and/or editor.
* Maybe option to first see how the large the Methods section ends up being in relation to the other parts – if quite big, then definitely crop it and put most of it into Supplement as a Review Protocol.
* Remember to add somewhere that we did both a screening and data extraction test to train the reviewers and improve the screening criteria and data extraction file.

Manuscript Case studies

* The sub-headings in the manuscript in the Case study section right now are more of a guidance on what type of things to analyse than that we strictly need to follow these. Later on we can see how we want to write up the results & discussion of each case study.

Figures

* Although plots by Karin in base R are very nice, most of us have more experience with ggplot2. There were also some details that Esther was not able to get right in base plot R, using Karin’s code. So suggestion to switch entirely to ggplot2 where possible, so that figures are as similar as possible.
* Sebastian may would like to save plots in EPS format so that they can be adjusted in Illustrator if necessary.

# Action points

**All**

* Finish action points before Easter (9 April)
* Keep each other up to date on progress whenever deemed necessary.
* Work via the Github so that we can share data and code.
* Use ggplot2 as much as possible for plots, using same theme/layout proposed by Esther: theme\_bw() and colour scale viridis.

**Elliot & Sebastian**

* Conduct analysis for the two case studies: discarding/bycatch (Sebastian) and marine litter (Elliot).
* Make sure to align structure and analysis of the two case studies as much as possible.

**Esther**

* Share theme and color palette with Sebastian and Elliot: theme\_bw() and color scale viridis. Be mindful though of the yellow colour – maybe not always good to use this one.
* Come up with list of possible journals and share with the rest to discuss.
* Revise Introduction
* Shorten Methods section, and create Review Protocol as Supplementary Material
* Create figures for General results and write section on this (based on Elliot’s first go at this in current version of manuscript).
* Put manuscript in an online version so we can work on it simultaneously: <https://docs.google.com/document/d/1ywlAWjCH7j642y6QIY2qqp4CypXyeWUs/edit?usp=share_link&ouid=100275983051440317438&rtpof=true&sd=true>