Kick-off Meeting for "Eagre/Aegir: high-seas wave-impact modelling"
Meeting Minutes

Location: Leeds and Wageningen (Teams Meeting)
Date: 18 January 2021
Time: 9 am – 11 am (Leeds time)
Attendees: - Wajih Rehman, Yang (George) Lu, Onno Bokhove (Leeds, UK)
-Tim Bunnik, Bulent Duz, Sanne van Essen, Arjen Koop, Sander Boonstra (Wageningen, NL)

Agenda:

1. Initial introduction
- Round with brief introduction (name, role)
- Minutes (George and Wajiha take minutes)

2. Planning, planned milestones and delays (2 to 4 months) due to Covid-19 (start date 2-2.5 later, formally 2 months later with self-isolation 2.5 months later)

3. Overview of project and progress to date —see presentation Onno on GitHub.
- Second academic supervisor? *Note that Mark Kelmanson (co-I), while working part-time, is still interested in providing assistance to WP2 "WaveTurbineImpact".*

4. Progress report from Wajiha and George —presentations, including self-introduction, research background and progress review. See GitHub for the presentations.

5. Overview MARIN
- Brief introduction of MARIN by Tim, and he also showed the introduction video on YouTube https://www.youtube.com/watch?v=l0OTVy4tHnY
- ***Query from Onno*** on providing literature regarding floating solar panels? ***Answer from Tim***: Linearised formulation is well known for hydro-elastic structures, which is available on the Internet, and it can provide guidance for floating solar panels.

6. Milestones continued and contingency planning, see item 2 and discussion in AOB.

7. Important Dates
- Milestones and deliverables (see Appendices A and C)
- Mid-term meeting on 26th March 2021; report achievements and progress to date.

8. AOB (Any other Business)
- ***Question from Bulent***: Whether a flap wave maker can be used instead of piston wave maker in numerical wave tank? ***Answer from Onno***: Yes, but a waveflap wavemaker is not implemented yet. See more details from Floriane's thesis http://etheses.whiterose.ac.uk/21730/

- ***Question from Onno***: Could you give a description of the training course at MARIN? And will the participants receive any certificate for this? ***Answer from Tim***: The two training courses include theoretical presentations and the participants will do theoretical and practical exercises, like building and testing ship model. They will receive a certificate of completion.
- ***Onno asked*** MARIN to give suggestions on outreach plan, for example, take advantage of MARIN's open day.
- ***Question from Onno to Sander:*** What wave-breaking parameterization is used in the Boussinesq model? ***Answer Sander:*** Numerical damping [is applied locally] in the [timestepping] leapfrog scheme based on the ratio wave height over water depth; rather ad hoc. ***Onno/Sander***: Let us keep in touch about wave-breaking parameterisations and share knowledge.
- ***Question from Tim and Arjen***: Does Brexit have an influence on this EU project? ***Answer from Onno***: No, Brexit has no impact on this project because the UK will continue to take part in H2020 projects.

9. Closing

Presentations found on GitHub: https://github.com/obokhove/EagreEUEID20202023

Action items:

AP	Action items	Owner(s)	Status
AP1-180121	Tim needs to send an email regarding confirmation of training contents and certification by MARIN.	Tim	In progress
AP2-180121	Email O/W/G literature on maths formulation photovoltaic floating platforms, asap please.	Tim (MARIN et al)	In progress
AP3-180121	Update the webpage of "Eagre".	Onno	In progress
AP4-180121	Contact EU to discuss the delays.	Onno	EU-UoL Office: simply explain
AP5-180121	Making public outreach plan.	Wajiha/George ***Others: assist***	In progress
AP6-180121	Keep an eye on WP2.7: linking MARIN research and FSI research; see Onno's presentation.	All	In progress