

Day 1

12:00	Tour around the IGB (optional)
13:00	Welcome and introduction of participants <i>Prof. Werner Kloas, Leibniz-Institute of Freshwater Ecology and Inland Fisheries</i>
13:30	'The Protein Paradoxes-Project' <i>Juliane Arasin, M.A., Leibniz Research Alliance 'Food and Nutrition'</i>
13:45	Workshop Introduction (structure and goals) <i>Dr. Hendrik Monsees, Leibniz-Institute of Freshwater Ecology and Inland Fisheries & Dr. Holger Kühnhold, Leibniz Centre for Tropical Marine Research</i>
14:00	Keynote 1: 'The current state and (untapped) potential of aquaculture for global food security and nutrition' <i>Dr. Matthew Slater, Alfred Wegener Institute</i>
14:20	Discussion round: 'What are (sustainable) future protein production methods in the context of aquaculture?' <i>Prof. Werner Kloas & Dr. Matthew Slater</i>
14:45	Coffee break
15:00	Keynote 2: 'Shifting paradigms and closing the N loop' <i>Dr. Georgina Robinson, Scottish Marine Institute</i>
15:20	Discussion Round: 'How to close loops (energy, water, nutrients) in aquaculture?' <i>Prof. Werner Kloas & Georgina Robinson</i>
15:45	Discovering Linkages and Synergies <p>(Emphasising thematic linkages and synergistic research areas within Leibniz and beyond, potential synergies could be e.g. in education and outreach, climatic projections with respect to SDG's, plant sciences and horticultural management, animal nutrition, alternative feeds, economics, microbial interactions, nutrient recycling, sensors and automation, advanced fertilizer management, ecosystem modeling and many more...).</p>
16:15	Break
16:30	Pitch talks about group work themes for the next day (5-10min each) <u>Theme 1:</u> Land-based recirculation aquaculture systems (RAS), Aquaponics, pond and flow through systems <i>Dr. Hendrik Monsees & Dr. Fabian Schäfer (requested)</i> <u>Theme 2:</u> Seawater aquaculture (Mariculture), coastal zone and offshore systems <i>Dr. Yustian Alfiansah (requested)</i> <u>Theme 3:</u> Linking aquaculture with the SDGs <i>Dr. Prajahl Pradhan, Potsdam Institute For Climate Impact Research & Dr. Holger Kühnhold</i>
17.15	Formation of working groups
17:30	Summary of the day and closing <i>Dr. Hendrik Monsees & Dr. Holger Kühnhold</i>

Day 2

09:00	Start in the day <i>Dr. Hendrik Monsees & Dr. Holger Kühnhold</i>
09:30	Parallel group work session Defining challenges and potential research intersections
10:30	Break and poster show case
11:00	Parallel group work session Defining objectives and research questions
12:00	Lunch + first glimpse of each group leader
13:00	Parallel group work session Developing project ideas
14:00	Break + feedback of graphic recorder
14:15	Parallel group work session Capture the work - Output fixation in each work group
15:15	Break
15:30	Presentations of group work Input / recommendations of all participants to all ideas
17:00	Summary and closing of the workshop <i>Dr. Hendrik Monsees & Dr. Holger Kühnhold</i>