Clyde 2020 Research Advisory Group – Membership

January 2020

Text has been taken from application letters and CVs has been edited for the purposes of this paper. Apologies for any errors or omissions.

Chair - Prof Mike Heath, Dept of Mathematics and Statistics, Strathclyde University

Having completed a PhD on cell division phasing Mike then obtained a post at the Scottish Office Marine Laboratory in Aberdeen. Initially researching and modelling migrations of herring using parasite fauna as natural tags, designed to improve stock assessments of herring. During the following years he led observational, field and modelling programmes and led a sequence of EU and NERC funded programmes. These projects were designed to advise the Scottish Government on the impacts of aquaculture nutrient release on the environment, impacts of climate change on fisheries, and latterly on human and climate impacts on indices of ecosystem status.

In 2010 he was successful in obtaining a research post at the University of Strathclyde funded by the Marine Alliance for Science and Technology Scotland MASTS. His current research interests are the mathematical and statistical modelling of fish populations and fisheries and the dynamics of ecosystems.

Dr David Bailey, Institute of Biodiversity, University of Glasgow

Key Interests
Ecology and physiology of marine animals, in particular the effects of climate and fishing on abundance and community structure. These studies use field-based and laboratory methods including baited cameras, trawling, in situ studies of deep-sea fish physiology and behaviour using autonomous vehicles, and mathematical modelling of animal locomotion and behaviour. Current projects are on coastal fish communities in Scotland and Egypt, scavenger ecology, deep water fish biology and conservation.

http://www.gla.ac.uk/researchinstitutes/bahcm/staff/davidbailey/davidbailey/

Dr B. Beukers-Stewart, University of York

Key Interests
Actively involved in research in the Clyde in general and around the Isle of Arran in particular. Working with students from the University of York and with the assistance of the Community of Arran Seabed Trust (COAST including monitoring the recovery of marine life inside the Lamlash no-take marine reserve. Also involved in considering how the management of the Clyde as a whole might be changed to help restore its previous diversity and productivity actively advising the Sustainable Inshore Fisheries Trust (SIFT) on its plans to apply for a Regulating Order for the Clyde. My primary focus with SIFT has been on advising how the scallop fishery might be better managed in future, but I have also been

involved in more general work about their spatial management proposals and how the effectiveness of these might monitored into the future.

http://www.york.ac.uk/environment/our-staff/bryce-beukers-stewart/

Dr Sally A. Campbell, Lamlash, Isle of Arran

Key interests

- A lifelong interest in the marine environment, having worked in research, taught at university level, and run marine courses.
- Interest in plankton blooms, linkages to life-cycles and environmental conditions.
- Wider involvement in social and economic constraints within communities seeking to change working practices and establish a new vision for future opportunities.
- An interest in Scotland's seas, especially the Clyde, the developments over the past 3 years in Marine Planning, MPAs, GES and MSFD.
- Understanding the fisheries and aquaculture industries, the influence of changes in CFP, discards, research into types of trawl equipment
- Microplastics and plastics pollution, POPs and the potential marine environmental consequences.

Dr Scot Mathieson, Principal Conservation Policy Officer, Scottish Environment Protection Agency

Key Interests

- Fellow of the Royal Society of Biology, Chartered Biologist, marine biological doctorate and highly experienced ecological advisor (25 years), particularly on the interaction between environmental regulation and nature conservation; strongly committed to protecting and improving the environment
- Developed operational procedures, policies, strategies, guidance, research and decision-support tools (e.g. APIS, www.apis.ac.uk) to ensure compliance of environmental regulatory systems with nature conservation legislation
- Represented SEPA widely on working, expert advisory and steering groups and forums, including government liaison groups at Scottish, UK and European levels
- Conceived and currently working on the development of Scotland's Environment Web (www.environment.scotland.gov.uk).

http://scottishnatureboy.blogspot.com

Dr Tanja Miethe, Marine Laboratory, Marine Scotland Science

Key Interests

Currently employed by Marine Scotland Science at the Marine Laboratory; in the Stock Assessment and Modelling Group as a fish population modeller. Work includes stock assessment, the development of length-based indicators for the assessment of data-limited stocks and management strategy evaluations. Since 2015, annual stock assessments and forecasts for whiting in the North Sea (ICES assessment working group WGNSSK). From 2020, co-chair of ICES WGNSSK. Currently co-supervising two PhD students relating to

discarding, one on biodiversity of demersal fish communities in the North Sea and one on the role of discarding in the Clyde. Interested in demography and evolutionary ecology.

Dr Mhairi E. Alexander, Lecturer in Animal Behaviour, University of the West of Scotland

Key Interests
Lecturer in Animal Behaviour at the University of the West of Scotland since 2015. Interested in biotic interactions occurring in aquatic species in temperate and sub-tropical regions. In particular, she has a strong background in biological invasions and understanding and predicting the environmental impact of damaging non-native species. Her work focuses on aquatic systems that have been impacted by anthropogenic disturbances.

https://research-portal.uws.ac.uk/en/persons/mhairi-alexander