

Conflict of interest form for council

Name: Howard I. Browman
Date: January 1, 2018

Conflicts of interest (COI) arise where there is a divergence between an individual's responsibilities to COPE Council and their other interests, such that an individual's motives might be compromised, or perceived to be compromised. COIs are important since Council members' opinions and actions must be, and be seen to be, impartial. COI of all council members are collected on election and annually thereafter.

COI include, but are not limited to, the following. Council members are required to disclose any of the following:

All relevant financial relationships with commercial interests (entities producing, marketing, re-selling, or distributing goods or services) in any amount as well as the nature of the relationship (personal or immediate family) within the past 5 years, eg; None
Grant/research support: See additional pages
Consultancies: None
Membership of speakers' bureaux: None
Patent ownership: None
Membership of scientific advisory board: 2014- Member, Scientific Advisory Panel, Hellenic Centre for Marine Research, Division of Marine Biological Resources and Inland Waters 2011- Member, Scientific Steering Committee, Ocean Acidification Flagship Research Program, Fram High North Research Centre for Climate and the Environment, Tromsø, Norway
Membership of board of directors: None
Stock shareholding (directly purchased): None
Other financial support (eg, honoraria, travel grants, gift, royalties) (please specify): Editor-in-Chief honorarium for my work with the ICES Journal of Marine Science. Travel budget in support of my EiC position with the ICES JMS.

Any **non-financial relationships/affiliations** relevant to COPE (please specify):

Editorial Policy Committee, Council of Science Editors.

Grant Research Support

Current funding

- 01/2018 - 12/2021 The Research Council of Norway (MARINFORSK Program), "MAREEL: The importance of the marine habitat for the critically endangered European eel." (Principal investigators = Caroline Durif, Howard Browman, Anne Berit Skiftesvik+++). NOK 11 335 000
- 01/2018 - 12/2021 Program for Health Management in Aquaculture, Strategic Investment Fund of the Chilean Ministry of Economy, Development and Tourism, "CaligusLIFE: Scientific research of excellence towards understanding sea lice biology and its application in control strategies for the salmon industry". (WP5, Principal investigator = Cristian Gallardo+++; WP5 Co-investigators = Howard Browman, Anne Berit Skiftesvik, David Fields). 795.818.000 Chilean pesos total funding for the entire project
- 01/2018 – 12/2020 Institute of Marine Research, "Marine Cladocerans as a model system to decompose genetic vs epigenetic mechanisms of adaptation to ocean acidification and warming." (Principal Investigators: Howard Browman, Anne Berit Skiftesvik, David Fields, Caroline Durif). NOK 2 898 000
- 01/2018 – 12/2020 Fram Centre, "Marine Cladocerans as a model system to decompose genetic vs epigenetic mechanisms of adaptation to ocean acidification and warming." (Principal Investigators: Howard Browman, Haakon Hop, Anne Berit Skiftesvik, David Fields, Caroline Durif, Peter Countway, Neel Aluru). NOK 2 428 000
- 01/2018 - 12/2020 Institute of Marine Research, "Effects of anti salmon lice chemicals on non-target organisms." (Principal investigators = Ole Samuelsen, Ann-Lisbeth Agnalt, Howard Browman, Anne Berit Skiftesvik, Caroline Durif). NOK 3 000 000
- 01/2018 – 12/2019 Institute of Marine Research. "The effects of photo-induced toxicity of PAHs on foraging behaviour and escape performance of larval fish". (Principal Investigators: Bridie Jean Marie Allan, Sonnich Meier, Howard Browman, Anne Berit Skiftesvik, Valeriya Komyakova, Carey Donald, Elin Sørhus, Olav Sigurd Kjesbu). NOK 1 261 000
- 01/2015 – 12/2018 Institute of Marine Research. "Fine-scale interactions in the plankton – empirical observations to parameterize trophodynamic and drift models". (Principal Investigators: Howard Browman, Anne Berit Skiftesvik, David Fields & Caroline Durif). NOK 4 300 000

Previous funding (as Principal Investigator, except where noted)

- 01/2018 - 12/2018 Institute of Marine Research, "Spatial changes and connectivity of marine fish populations and their implications for fisheries management." (Principal investigators = Howard Browman). NOK 300 000
- 01/2015 – 12/2017 Institute of Marine Research, "Effects of increased CO₂/lower pH – and temperature - on vital rates of the planktonic copepod, *Calanus finmarchicus*." (Principal Investigators: Howard Browman, Anne Berit Skiftesvik, David Fields, Jeffrey Runge Caroline Durif). NOK 2 700 000
- 01/2015 – 12/2017 Fram Centre, "Effects of increased CO₂/lower pH – and temperature - on vital rates of the planktonic copepod, *Calanus glacialis*." (Principal Investigators: Howard Browman, Anne Berit Skiftesvik, David Fields, Jeffrey Runge Caroline Durif, Andrew Mount, Michael Arts). NOK 3 000 000
- 01/2014 – 12/2017 Arctic Monitoring and Assessment Programme (AMAP), "AMAP Assessment on Acidification of the Arctic Ocean and its Consequences on Biota". (Principal Investigator: Howard Browman). NOK 2 400 000
- 01/2013 - 12/2016 The Research Council of Norway (HAVKYST Program). "Impact of ocean acidification on Arctic zooplankton populations" (Principal Investigators = Haakon Hop, Peter Thor, Claudia Halsband, Howard I. Browman). NOK 3 600 000
- 01/2011 – 12/2014 Institute of Marine Research. "Fine-scale interactions in the plankton – empirical observations to parameterize trophodynamic models". (Principal Investigators: Howard Browman, Anne Berit Skiftesvik, David Fields & Caroline Durif). NOK 4 000 000
- 01/2012 – 12/2014 Institute of Marine Research, "Effects of increased CO₂/lower pH – and temperature - on vital rates of the planktonic copepod, *Calanus finmarchicus*, with an emphasis on the overwintering life stages." (Principal Investigators: Howard Browman, Anne Berit Skiftesvik, David Fields, Jeffrey Runge Caroline Durif, V. Thiyagarajan). NOK 2 700 000
- 01/2012 – 12/2014 Fram Centre, "Effects of increased CO₂/lower pH – and temperature - on vital rates of the planktonic copepod, *Calanus glacialis*." (Principal Investigators: Howard Browman, Anne Berit Skiftesvik, David Fields, Jeffrey Runge Caroline Durif, V. Thiyagarajan). NOK 2 700 000
- 01/2014 - 06/2015 The Research Council of Norway (HAVKYST Program). "In situ swimming and orientation ability of larval cod and other plankton. Parameterizing models of prey availability to top predators" (Principal Investigators = Howard I. Browman, Claire Paris, Frode Vikebø, Anne Berit Skiftesvik). NOK 142 000
- 01/2010 - 12/2014 The Research Council of Norway (Strategic Institute Program). "Effects of climate change on the *Calanus* complex (ECCO)" (Principal Investigators = Webjørn Melle, Espen Bagøien, Howard Browman & Geir Huse). NOK 37 084 000
- 03/2011 – 12/2013 Arctic Monitoring and Assessment Programme (AMAP), "AMAP Assessment on Acidification of the Arctic Ocean and its Consequences on Biota". (Principal Investigator: Howard Browman). NOK 200 000

Further information

Charity Commission

http://www.charitycommission.gov.uk/charity_requirements_guidance/charity_governance/good_governance/conflicts.aspx

While COIs will be reviewed annually, they must also be specifically declared at the beginning of each Council or Forum meeting or before participation in any complaints processes. COIs are posted on COPE's website.