Peter Tyedmers is an ecological economist whose research explores questions related to the scale of human system dependence on ecosystem productivity, the environmental implications of technological substitutions and the biophysical sustainability of food production systems. Beginning with his Ph.D. research, in which the biophysical costs of salmon fishing and farming were compared using energy analysis and ecological footprint accounting, over the last two decades Peter has established himself as an authority regarding the energy and related environmental performance of seafood production systems. Related research has included: building and maintaining, in partnership with his former student Dr. Robert Parker, a database on energy inputs to fisheries globally; leading projects that explore the scale of energy use and greenhouse gas emissions from major fishing sectors (e.g. tuna, reduction fisheries), the effect of fisheries management on the energy performance of fisheries; as well as numerous projects in which life cycle assessment (LCA) has been used to assess the resource and environmental performance of seafood systems (e.g. Spanish tuna fisheries, salmon fishing and farming systems globally, Canadian and U.S.-based lobster fisheries, Antarctic krill fishery, etc.). Non-seafood projects have included the first North American analyses of the life cycle environmental performance of alternative dairying systems, conventional and organic apple production and wine production.

Peter holds a Ph.D. (2000) and an LL.B. (1992) from the University of British Columbia and a B.Sc. (1988) from the University of Waterloo and is appointed as a Full Professor in the School for Resource and Environmental Studies at Dalhousie University in Halifax, Nova Scotia.