Dr. Cloé Garnache is appointed in the MSU tenure system, and teaches applied microeconomics and ecological economics. Her research interests are in environmental and natural resource economics, with a focus on water resources and fisheries management, water quality issues, climate change, environmental policy design, and decision-making under uncertainty. Her work addresses economic questions at the interface between agriculture and the environment such as the tradeoff between the provision of multiple ecosystem services on agricultural landscapes. For example, Cloé’s dissertation focuses on a water allocation conflict among farmers and fishers in California, and examines the role of institutions on the returns to ecosystem services. Another part of her research investigates the role of payment design for agricultural greenhouse gas offsets on abatement efficiency. Her research interests also include access to safe drinking water in sub-Saharan Africa, and she is now exploring questions related to the adoption of water treatment systems and users’ preferences for point-of-use water treatment technologies.

The methods implemented for her research include dynamic programming, optimal control, and mathematical programming. Her work often integrates economics with natural and/or physical sciences to evaluate the welfare and environmental impacts of policies.

**Countries of Focus:**
Tanzania, Malawi