



## MEHR



- **Globally, only about 30-50% of oil contained in reservoirs is recovered. In the United States alone, approximately 300 billion barrels of oil is unrecoverable using current technologies.**
- **In an effort to develop technologies that utilize indigenous microorganisms in enhancing oil recovery, we are using a systems biology approach to fully characterize the microbial communities in oil reservoirs.**
- **Merging the fields of Molecular Biology, Ecology and Biogeochemistry to uncover critical controllers of microbial function in a production reservoir.**
- **A top down approach to use novel and state-of-the-art methods for complete characterization of relevant field sites.**
- **Multiple, confirmatory analyses of the genetic capacity of a MEHR ecosystem.**