

OpenMI is a standard used to link water and environmental models. However, the standard and the currently available supporting software only support single-computer single-threaded simulations. The thesis delivers a system capable of linking OpenMI models across computers using their network subsystem. The system consists of hub servers that provide access to models registered by clients. The clients make local models accessible to the servers and also provide the legacy OpenMI software with a transparent access to remote models registered by other clients.