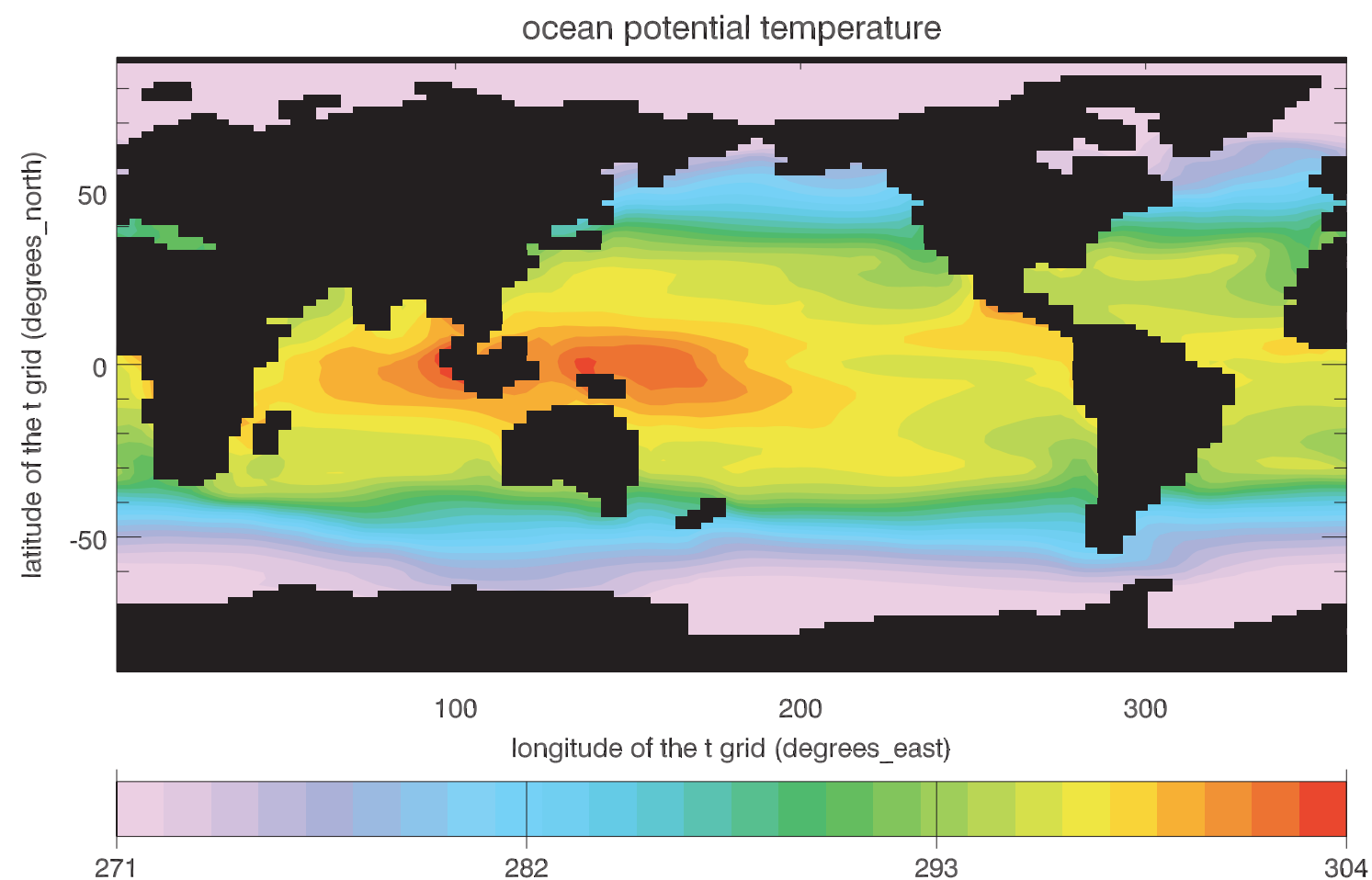
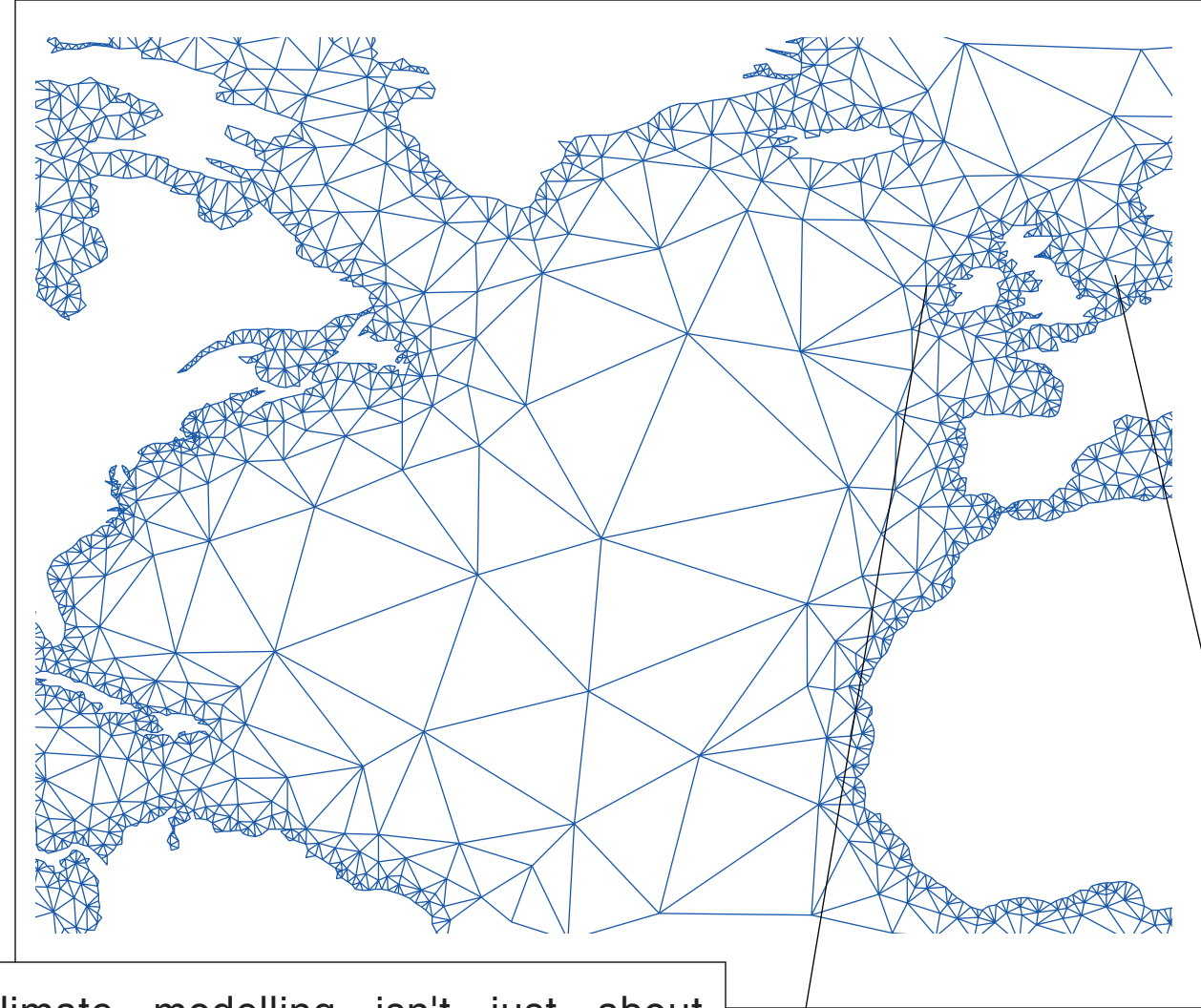


# Climate Modelling at the University of Victoria

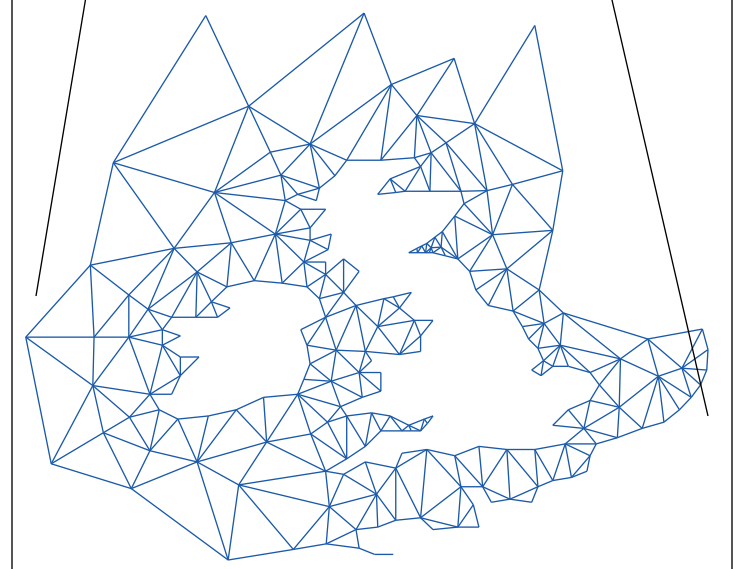
The University of Victoria Climate Modelling Group is involved in the modelling and analysis of past, present and future climate, primarily using their locally developed comprehensive Earth System Climate Model, known internationally as the "UVic coupled model". Members of the group come from varied backgrounds in physics, mathematics, engineering, oceanography and geology and from all over the world (Canada, Australia, China, England, France, Germany, Japan, Switzerland, United States). Our diverse group of individuals leads to a dynamic and exciting work environment and collaborations with many international researchers.



This figure illustrates typical output of the UVic ESCM.



Climate modelling isn't just about algorithms describing physics in the real world. It is also necessary to find ways to describe the shape of the world so that computers can solve the equations we've come up with. Ongoing research at UVic is exploring new ways to create grids for models to use. These figures show one such possibility created using the finite element approach. A benefit of using a grid like this is that higher resolution is available where needed.



See <http://climate.uvic.ca> for more information.