2D viscous Boussinesq’s system models atmospheric and oceanographic turbulence, and the field of Buoyancy driven flows. The system is one of the most commonly used simplified model equations for 3D incompressible Navier Stokes equation, sharing the same vortex stretching effect. In this talk, I will review some recent progress on the global well-posedness, and large time behavior of the system on a bounded domain. The talk is based on joint work with M. Lai, K. Zhao, and with S. Bianchini. (Received September 22, 2011)