θ_{13} is the last neutrino mixing angle to measure: there is only an upper limit from the first Chooz experiment $sin^2(2\theta_{13}) = 0.2$ for a corresponding difference of squared mass of $2{\times}10^{-3}eV^2$. If this angle is not too small, CP violation experiments in leptonic sector will be possible. To perform this measurement, experiment at nuclear reactors are complementary of particle accelerators. At the Chooz site, it is possible to improve the first result by an order of magnitude. A first result will be at $sin^2(2\theta_{13}) = 0.04$ in 2009. A collaboration is beginning to meet, involving about 30 physicists. A letter of intent has been written (hep-ex/0405032).