

**Short Description nii00062:** The purpose of this project is to numerically design the jet actuator devices at leading and trailing edge of swept FNG high-lift airfoil. The numerical approach involves the Reynolds Averaged Navier Stokes (RANS) computations with Active Flow Control (AFC) over the swept FNG high-lift airfoil using Chimera grids. In order to proceed with the tasks, an efficient numerical simulation approach is required. This has been done by the DLR TAU code using Chimera grids for locally resolving the flow scales. This approach was proven in project nii00048.