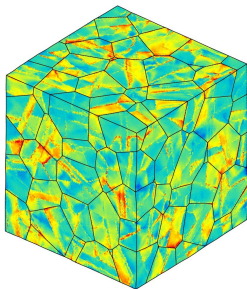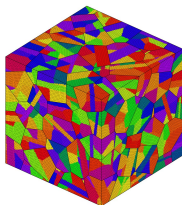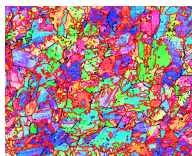# Numerical study of the behavior and rupture in polycrystalline materials

Industrial partners : EDF, CEA

- Crystal plasticity
- Multiscale microstructure generation
- Quantitative evaluation of the microstructure morphology
- Development of FE algorithms and material models
- Parallel computing with non linear models (10^7 dofs)