Kick-off meeting of GEM3 associate team

July 8, 2025

9:00-9:05/14:00-14:05 Welcome

Scientific Sessions

Session 1 (Inria Project Team GALETS)

9:05-9:20/14:05-14:20   Roland Masson
  "Fault Reactivation Models and Discretization"

9:20-9:35/14:20-14:35   Konstantin Brenner
  "Trefftz Method for Linear and Nonlinear Elliptic PDEs in Irregular Domains"

9:35-9:50/14:35-14:50   Alessandra Marelli
  "Advanced nonlinear preconditioning techniques for the resolution of nonlinear problems in geoscience"

9:50-10:20/14:50-15:20   Free-time for discussions

Session 2 (LNCC: IPES and COMOD Team)

10:30-10:45/15:30-15:45 Marcio Murad
  "Linking Scales in Porous Media: Advances in Multiscale Modeling for Geoscience Challenges"

10:45-11:00/15:45-16:00 Frederic Valentin
  "Multiscale Finite Element Methods for Fluids"

11:00-11:15/16:00-16:15 Larissa Martins
  "Development of Post-Processing Techniques for the MHM method Applied to Elliptic Models"

11:15-11:30/16:15-16:30 Tadeu Gomes
  "The MHM Set of Libraries (MSL): Design and Parallel Implementation"

11:30-12:00/16:30-17:00 Free-time for discussions