Declaration of interest in Code_Aster

Nobo Solutions S.A. offers R&D services for power generation, piping, biomechanics and machine industry companies. Our main fields of activity are numerical modeling and simulations, structural integrity assessments of components like electric generator stators and rotors, composite and advanced materials modeling. We also offer design, calculations and assessments services of piping systems and vessels for power generation and other industries. In the field of biomechanics our interests focus on numerical modeling and simulations of biological structures, a design of implants and modeling of biological materials.

In our scope we have also development of software tools and solutions supporting engineering in the company main activities. We had started to use Code_Aster before establishing our company. During performed analyses we have found Code_Aster being, despite a certain language barrier, an almost complete replacement of commercial FE codes while accompanied with tools like Salome. In parallel, for our internal purposes we have developed a series of tutorials describing the use cases most common from our perspective.

In our activity in the ProNet we would like to focus on the following topics:

- supporting making Code_Aster a more user friendly software for non-French users,
- supporting in testing of Code_Aster features,
- developing tools supporting cooperation between Code_Aster and other FE codes,
- making Code_Aster more popular on (Polish) universities.

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