

Projects and cooperations

Projects

- European Joint Programme on Radioactive Waste Management – EURAD. The European Union's Horizon 2020 research and innovation programme, No. 847593, 2019-2024. Beneficiary: AGENCE NATIONALE POUR LA GESTION DES DECHETS RADIOACTIFS - ANDRA (France); co-financed by the Czech Radioactive Waste Authority (SÚRAO); IGN budget in CZK: 1,951 K; my role: team coordinator 2021-2023, team member 2020-2023.
- IT4Innovations excellence in science. The Ministry of Education, Youth and Sports (of the Czech Republic), National Programme of Sustainability (NPU II), project No LQ1602, 2016-2020. Beneficiary: VŠB - Technical University of Ostrava; IGN budget in CZK: 11,720 K; my role: deputy head of research programme Numerical Method for Engineering, coordinator of a task focused on numerical methods in nonlinear mechanics.
- DEvelopment of COupled models and their VALidation against EXperiments - DECOVALEX 2011, DECOVALEX 2015, DECOVALEX 2019, www.decovallex.org, strongly international project supported by the national agency responsible for a safe deposition of nuclear waste in the CR - the Czech Radioactive Waste Authority (SÚRAO). Last phase Decovalex 2019 was coordinated from the Lawrence Berkeley National Lab with the research teams from USA, UK, Switzerland, France, Germany, Sweden, Japan, Korea and Taiwan.
- IT4Innovations excellence in science. The Ministry of Education, Youth and Sports (of the Czech Republic), National Programme of Sustainability (NPU II), project No LQ1602, 2016-2020. Beneficiary: VŠB - Technical University of Ostrava; IGN budget in CZK: 11,720 K; my role: deputy head of research programme Numerical Method for Engineering.
- Prediction of EDZ properties with impact on safety and reliability of deep radioactive waste repository – ENDORSE. Technology Agency of the Czech Republic (TA ČR), grant No. TK02010118, 2019-2022. Beneficiary: TU Liberec; IGN budget in CZK: 4,417 K; my role: co-investigator 2021-2022, team member 2019-2022.