Lessons learned in the exposure assessment and risk management of nanomaterials Maidá Domat, Carlos Fito (ITENE)

The group nanosafety and emerging risks of ITENE has conducted numerous exposure assessment campaigns within different R&D projects, especially related with the nanopigments, nanocomposites and packaging industries. Regarding the exposure assessment, measurements demonstrate the potential for exposure to engineered nanostructured materials (ENMs) for key activities in the life cycle of the nanomaterials. The selection of adequate protection is essential to guarantee the safety of workers in processes where ENMs are manufactured and/or handled, thus, Personal Protective Equipment is also tested in an exposure chamber within ITENE facilities.