Collection of data and monitoring the efficacy of Risk Mitigation Measures in caLIBRAte

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Abstract

Various EU funded Projects have developed predictive Models and Tools to assess potential risks associated to nanotechnology.

caLIBRAte project main goal is to funnel the state-of-the-art in nanosafety research and merge it with state-of-the-art risk governance and communication sciences to establish a versatile risk governance framework for assessment and management of human and environmental risks of NM and NM-enabled products. The ultimate goal is that the quality and trust in the nano-specific models in the caLIBRAte risk governance framework will exceed current level of most existing REACH tools.

One of the main tasks in calibrate is to gather (and generate) high quality data, including data on Value-Chain Case-Studies. Data belonging to concluded and ongoing EU Projects was inventoried, and the associated datasets evaluated for their quality and completeness.

Additionally, new case studies will be generated to provide high quality data for model calibration and validation selected for caLIBRAte framework. One of the new case study focus on a nano-based paint that will allow collection of data in all the stages of the value chain. The measurement campaign associated to this case study will allow the identification of potential risks and the eventual need to adopt some Risk Mitigation Measures (RMM).

In this presentation, the strategy for collecting and compiling data in an organized way will be described, as well as the experimental setup to collect and generate data will be shown for the nano-based paint case study.