

The politics of “grayboxing”: The use of QSAR models for the flexible regulation of chemicals

François Thoreau

Regulatory bodies make increasing use of computing techniques, models and simulations, for instance so as to predict the toxicity of chemical substances. Such predictions can enable a regulatory decision, typically a market authorization. Therefore, it is important to grasp both the empirical practices of producing and using models, and their political meaning. At stake here is the possibility of characterizing a way of governing anticipations that would be based on models.

François Thoreau is a FNRS postdoctoral fellow at Spiral research center (ULg, 2015-2018) where he works on genomic information in clinical practice and tries to unfold its biopolitical dimensions. He holds a PhD in social and political science from the University of Liege (2013) which critically addressed the responsible innovation of nanotechnologies. Previously François was Senior researcher at the CRIDS (U Namur, 2013-2014) where he worked on the politics of surveillance technologies (2013-2014) and at the Centre de Sociologie de l’Innovation (CSI — Mines ParisTech, 2014-2015), on risk regulation and computer modeling.