

Governance for Nanotechnology: Definition of Nanomaterials

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Abstract

The present work constitutes an approach to nanotechnology from the legal point of view. We present and analyze different definitions of nanomaterial - especially from the European Union and the International Organization for Standardization-. The aim is to assess the relevance of the definition given by the National Advisory Council of the Colombian Network of Nanoscience and Nanotechnology.¹⁻²

(NACCNNN) Nanomaterial: “Naturally or artificially synthesized, manufactured or manufactured material that exhibits properties, phenomena or biological effects that are attributable to its dimensions up to a limit scale of a micrometer. In the specific case of nanoparticulate materials, they will have this category when they present a distribution greater than 10% of particles less than or equal to 100 nm in at least one of its dimensions. In addition to this classification, materials that have been modified on a nanometric scale in their conformation or interface to give rise to a material with new properties, are included”.



Colombian Nanotechnology Regulatory System



(ISO/TS 80004-1:2015) Nanoobject: “Object that has one, two or three external dimensions in nanoscale”.

1. Brosset, E. (2013). The law of the European Union on Nanotechnologies: Comments on a paradox. *Review of European, Comparative and International Environmental Law*, 22(2), 155–162.
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