

#### **CALL FOR ACTION: ONTOLOGY TERM DEFINITIONS**

# The EU-NanoSafety Cluster WG F and NanoCommons with the support of the GRACIOUS project



# Tell us your needs!



Go to www.menti.com and use the code 11 75 43 9

In which area are you collecting ontology terms or are in need of new terms?

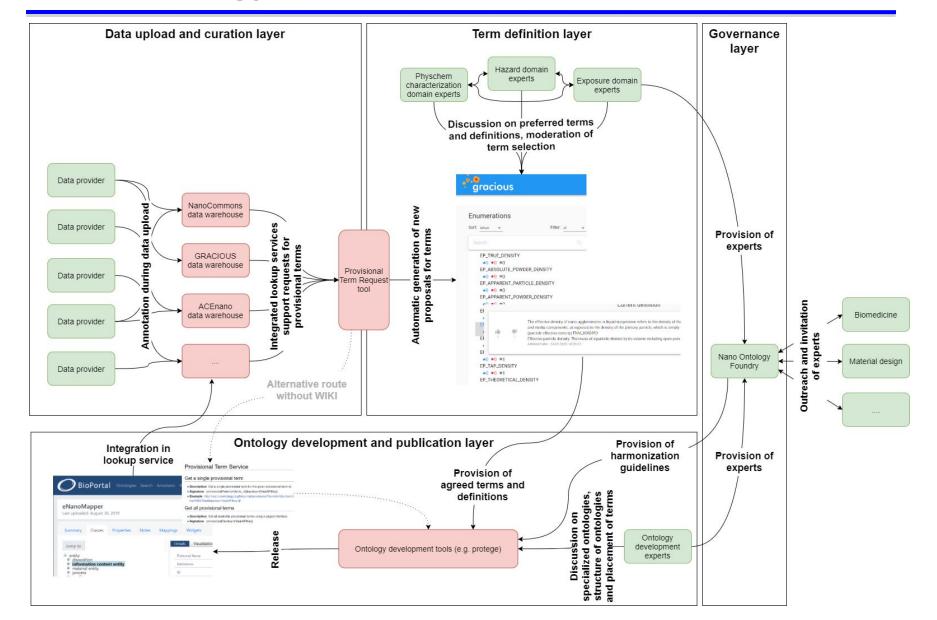
Mentimeter

safe by design physchem characterisation nanoinfomatics governance



# NanoCommons Nano-Knowledge Community

# The ontology development universe



# **The Ontology WIKI**

(powered by GRACIOUS)



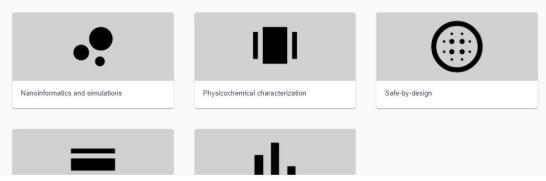


Search Q HELP V1 THOMAS EXNE

#### Nano Safety Cluster Terminology

This Software is a system which aids agreement upon term definitions towards the creation of harmonized ontologies

Select a knowledge base to start



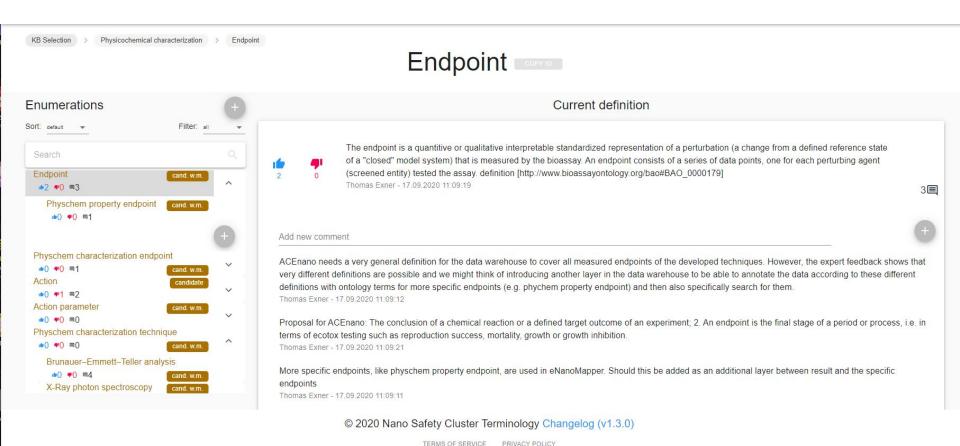
© 2020 Nano Safety Cluster Terminology Changelog (v1.3.0)

TERMS OF SERVICE PRIVACY POLICY

# The Ontology WIKI

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https://nsc-terminology.greendecision.eu/

### **Documenting ongoing activities**



Section 1 of 6

#### **NSC Ontology Task Force**



The task force was created to generate a complete picture of the ongoing activities with respect to ontology development and data annotation within the projects of the NSC and other international groups.

Currently there are increasing needs of high quality data to feed into the evolving nanoinformatics workflows and for use in a regulatory and policy context. To achieve this, datasets need to be findable online and machine readable and able to be combined to larger datasets to be reused for the identification of hidden patterns and relationships as demonstrated, among others, by Labouta et al. (2019) during the meta-analysis of 93 peerreviewed papers. Thus, datasets need to be annotated using established ontologies, along with communication between the various nanosafety databases/repositories. Currently, there is a number of parallel ongoing activities within the NSC projects for the development of data dictionaries (collections of terms), taxonomies and ontologies, which are focussed in a field-specific context. This potentially results in duplication of work and lack of communication between the various efforts, leading to lack of harmonisation and communication and to huge effort and time being wasted.

Aims of activity:

terms, taxonomies Identification on

#### • Generation of ar https://forms.gle/EEgz5Vb36zcT2HrZ7

community and promote data interoperability and reusability, as per the requirements of the Open data initiative of the European Commission.

Even if the Task Force will end after the collection the above information, this should be followed up by the creation of expert groups. These groups will work on term collection in specific fields of panosafety research



#### Thank you for your attention and input!

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