Defining a Collaborative Ontology for Non-Pharmacological Interventions

The Loc Nguyen, Anne Laurent, Sylvie Rapior, François Carbonnel, Raphaël Trouillet, Gérard Bourrel, Gregory Ninot

To cite this version:

HAL Id: lirmm-01383168
https://hal-lirmm.ccsd.cnrs.fr/lirmm-01383168
Submitted on 19 Aug 2019

HAL is a multi-disciplinary open access archive for the deposit and dissemination of scientific research documents, whether they are published or not. The documents may come from teaching and research institutions in France or abroad, or from public or private research centers.

L’archive ouverte pluridisciplinaire HAL, est destinée au dépôt et à la diffusion de documents scientifiques de niveau recherche, publiés ou non, émanant des établissements d’enseignement et de recherche français ou étrangers, des laboratoires publics ou privés.
Defining a Collaborative Ontology for Non-Pharmacological Interventions (NPIs)

Nguyen L.1,4, Laurent A.1,4, Rapior S.2,4, Carbonnel F.3,4, Trouillet R.3,4, Bourrel G.4, Ninot G.3,4

1 Laboratory LIRMM UMR 5506, University of Montpellier and CNRS Montpellier, 161 rue Ada, 34095 Montpellier Cedex 05, France
2 Laboratory of Botany, Phytochemistry and Mycology, UMR 5175 (CEFE), Faculty of Pharmacy, University of Montpellier, 15 avenue Charles Flahaut, BP 14491, 34093 Montpellier Cedex 5, France
3 Epsylon EA 4556 Research Unit, University of Montpellier, rue du Pr. Henri Serre, 34000 Montpellier, France
4 CEPS Platform, European Methodology Platform for Non Pharmacological Interventions, University of Montpellier, rue du Pr. Henri Serre, 34000 Montpellier, France

“Non-Pharmacological Interventions (NPIs) are non-invasive methods of care (programs, products or services) whose efficacy in improving the health and quality of life of human beings has been proven. Their effects on health and quality of life markers are observable (with measured risks and benefits beyond mere user opinions) and can be linked to identified biological and/or psychological processes. They can also have a positive impact on health behaviours and socio-economic indicators.” (CEPS Platform, April 2016).

Criteria for selecting tools for developing the ontology
- Free
- Collaborative
- Available in English
- Web-based
- Graphical User Interface
- Versioning
- Audit Trail

Selected tools
- WebProtégé
- BioPortal

The first version of NPIs ontology at: http://purl.bioontology.org/ontology/NPI/

Building an ontology:
- is an iterative process
- is a complex task
- requires a considerable amount of human effort.

Collaborative approach

Defining a shared ontology of NPIs

Corresponding authors: Nguyen L. (the-loc.nguyen@lirmm.fr), Laurent A. (laurent@lirmm.fr)
Website: www.cepsplatform.eu