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citations, bibliographic records) which are most relevant to a query. This gets more difficult when the amount of data increases dramatically. Data sparsity and model scalability are the major challenges to solving this type of extreme multi-label classification problem automatically. In this paper, we propose to address this problem in two steps: we first embed different types of entities into the same semantic space, where similarity could be computed easily; second, we propose a novel non-parametric method to identify the most relevant entities in addition to direct semantic similarities. We show how effectively this approach predicts even very specialised subjects, which are associated with few documents in the training set and are more problematic for a classifier.

Legendre, Ariadne. 2019. "The Development of the Canadian Research and Development Classification."' *Knowledge Organization* 46(5): 371-379. 25 references. DOI:10.5771/0943-7444-2019-5-371.

Abstract: I describe the development of a new research and development taxonomy to facilitate the reporting of granting agency investments in research and the organization of effective peer review processes in Canada, which represents a kind of classification designed to support the administrative management of research. The development of the Canadian Research and Development Classification (CRDC) is being led by the Canada Foundation for Innovation (CFI), the Canadian Institutes of Health Research (CIHR), the Natural Sciences and Engineering Research Council of Canada (NSERC) and the Social Sciences and Humanities Research Council of Canada (SSHRC), in close collaboration with Statistics Canada. This collaboration represents an unprecedented effort by the federal research funding agencies and Statistics Canada to develop a common standard for the classification of research and development activities in Canada, and is intended to meet different needs within the broader research ecosystem. The CRDC, intended to align the way research and development is categorized in Canada, is the result of months of reviews, consultations, analysis and negotiations among the agencies and the Canadian research community. Notably, the CRDC was designed to include all sectors of research and development, represent the current research landscape in Canada, support a wide range of needs within the research and development ecosystem, and increase computability with international standards.

Thorat, Rahul and Reinout van Brakel. 2019. "Brief Communication: The Need for a National-Level Working Group for Higher Education Research Data in The Netherlands." *Knowledge Organization* 46(5): 380-386. 2 references. DOI:10.5771/0943-7444-2019-5-380.

Abstract: We describe the struggle the Association of Dutch Universities (VSNU) faces to get proper data on research systems. The type of users the VSNU encounters (from universities to policy makers) and what that means for classifying research is described. We list the research data governance practices from various countries. Based on those practices, a working group involving various stakeholders to develop a common research data governance framework in the Netherlands is proposed. The working group would propose standards in higher education, research and impact specific to data collection, metadata and their interoperability across various stakeholders. The results of the first brainstorming session on the governance of research data are mentioned.

Solc, Roman. 2019. "Brief Communication: Some Critical Notes on the Czech System of Evaluation of Research." *Knowledge Organiztion* 46)5): 387-397. 4 references. DOI:10.5771/0943-7444-2019-5-387.

Abstract: We try to critically analyze some aspects of the system of evaluation of scientific research in the Czech Republic. The government presents it as very objective, fair and motivating. Using the evaluating methodology of the state, data obtained from *Journal Citation Reports* and mathematical models we would like to demonstrate that the system is neither fair nor motivating.