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Geoscientific Instrumentation Methods and Data Systems Discussions

Interactive comment on "A Universal and Multi-dimensional Model for Analytical Data on Geological Samples" *by* Yutong He et al.

Anonymous Referee #1

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The manuscript presents a universal and multi-dimensional data model to solve the heterogeneity between theme-based analytical databases on geological samples which make a good contribution to scientific progress within the scope of Geoscientific Instrumentation, Methods and Data Systems. The work is well-structed and gives a very clear description and result. The introduction gave a satisfactory literature survey on the similar geoanalytical data model and it outlined the proposed data model well. A comprehensive data contents were summarized and abstracted as a basis, the data model was suggested clearly basing on three levels including CDMïijŇLDM and PDM. The response efficiency, space efficiency and operation flexibility have been well tested and compared with exist data model which gives a very positive result.

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