

## *Presentation*

# **A Survey of Metadata Use for Publishing Open Government Data in China**

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### **Abstract**

Open government data (OGD) is one important type of open data which grows fast all round the world. Many governments and organizations have already put their data online to the public. At the same time, linked data which conducted by W3C provides the publish mechanism and technical recommendation to explore the linkage of open data. Linked data promote the openness and availability of open data. Currently, 1,443 government related datasets are retrieved from datahub.io (2016-7-1).

From document to dataset, metadata still plays key functions for describing, locating and managing OGD. Although most OGD has some basic categories, tags and properties, more comprehensive metadata vocabularies need to further study. Utilizing metadata to achieve high quality, findable, machine readable and understandable OGD is the fundamental task for government chief data officers.

In recent 5 years, there are some remarkable development of OGD in China. National Bureau of Statistics of China has built national data portal for publishing monthly, quarterly and annual data, as well as the regional data and census data, which has nearly 8 million data. Beijing, Shanghai, Wuhan and Guiyang cities provide public data service. Zhejiang province integrates the public data category. In future, China national open government data portal will be established in 2018 from *Promote the development of Big Data Platform for Action (2015)*.

This presentation will report the state of metadata use of OGD in China. We investigate 8 typical cases of China OGD which includes three levels (nation, province and city). It contains three parts as following:

1. Analyze the actual usage of metadata elements for datasets and data entry in these selected OGD portals and point out some usage issues;
2. Discuss the adaption of existed metadata standards (DCAT, Schema.org, GILS and etc.) for China OGD and propose a metadata vocabulary for China OGD.
3. Comparatively analyze data share and application of OGD between US and China by metadata interoperability.

### **References**

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