

Project 1. Data Reuse for Community Development

Project PI: Ayoung Yoon, Assistant Professor, Indiana University Indianapolis (IUPUI)

This project aims to examine how data are used and reused among regional communities for their community development. The major goals of this project is to (1) understand communities' data reuse needs and investigate the challenges and barriers that community data reusers face and to (2) explore strategies for community data reusers to work with existing data institutions, such as academic institutions and data repositories, in order to support cooperative data exchange and integrate communities into the open data landscape.

Open access to data has been endorsed by an increasing number of scientific communities. While the scientific community has recognized the great potential and contribution of data sharing and reuse, the impact of data sharing and reuse has also reached community and/or participatory research beyond traditional scientific communities. Many community researchers become involved in data sharing and reuse for community development and decision-making. However, community researchers' experiences with data are distinctive; they have different backgrounds, characteristics, and data needs than academic researchers or scientists. They might also face different barriers to data sharing and reuse because they are often not part of current scientific data exchange infrastructure. Studying data sharing and reuse among community researchers is important to promote citizen science and participatory research and to support an open data culture to broaden stakeholders' recognition of the impact of data sharing and reuse.

This project takes a qualitative approach to investigating research problems in a small city in the Midwest (U.S.) and conducted a semi-structured interview with different community members (data reusers) from community foundations, educational centers, community development corporations, and city governments.

This project is funded by *RDA/US Data share fellowship* through *Alfred P. Sloan Foundation #G-2014-13746*.

Project 2. The State of Data Sharing and Reuse in Uganda's Public Sector: Practice and Perceptions

Project PIs: Isaac Tomusange, Dean, Faculty of Science and Technology, MRU, Uganda

Ayoung Yoon, Assistant Professor, Indiana University Indianapolis (IUPUI)

Norman Mukasa, Senior Lecture, MRU, Uganda

With a rapid development and use of ICT, the public sector's demand for data sharing and re-use are growing even in developing countries. In Uganda, ICT and Internet development provide an access platform for data sharing and reuse among interested partners like scholarly researchers, business men, political leaders, developers, security agencies among others. However, there are numerous barriers that inhibit the development of data sharing and reuse culture in Uganda. This study aims to understand various factors that influence this varying status of data sharing and reuse in the public sector, such as facilitating or inhibiting factors, required skills for data sharing and reuse, and stakeholders' perceptions on data sharing and reuse. This study will focus on the following four public institutions that would have major impact on data sharing and reuse, including Uganda Bureau of Statistics (UBoS), Ministry of ICT and National Guidance-with a

focus on the Uganda Communications Commission (UCC), the Ministry of Internal Affairs, and Kampala Capital City Authority (KCCA). The project team will employ the mixed methods; interview will be carried out first, and its findings will be used to design the survey.

This project is partially funded by *RDA/US Data share fellowship* through *Alfred P. Sloan Foundation #G-2014-13746*