Advancing Scholarly Communications with Wikidata's Open Linked Data:
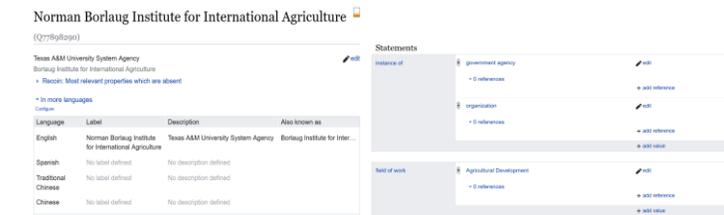## *A Case Study with the Borlaug Institute of International Agriculture*

Academic libraries can leverage Wikidata to support and amplify scholarly and societal impact.

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Introduction

Wikidata serves as a central knowledge base for Wikimedia projects. Academic libraries have been slow to capitalize upon Wikidata's potential to promote scholarly communication. A pilot project to enhance visibility of a research institute was undertaken as part of *Join the open data movement: a beginner Wikidata course,* Oct – Dec, 2019 .

Learning Objectives/Topics:

- Define Wikidata
- Understand basic parts of Wikidata
- Become familiar with Wikidata's interface
- Establish principles on evaluating data
- Wikidata community
- Processes & policies for adding data
- Queries for getting information from
- Queries limitations
- Querying with SPARQL
- WikiProjects editing
- Setting Preferences
- Contributing to a project

The Project

- supports a preexisting collaboration with the Office of Scholarly Communications and the Borlaug Institute to help them enhance their scholarly identities and show impact
- leverages Wikidata's linked data to increase scholars' visibility and to support scholarly and societal impact
- builds authoritative linked data around the Norman Borlaug Institute for International Agriculture, their researchers, and research

Sample Items & Statements
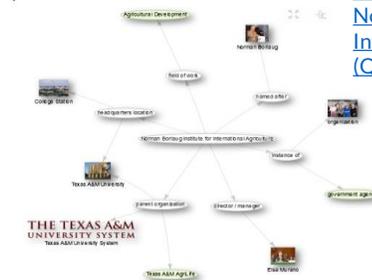Fig. 1 Norman Borlaug Institute for International Agriculture (Q77898290) in Wikidata

Querying Scholia

Wikidata can be queried and visualized with tools such as Scholia (Q45340488), which, "presents bibliographic information and scholarly profiles of authors and institutions using Wikidata." (Wikidata:Scholia, n.d.)

Figure 2. Interact with a visualization of the Wiki-item Norman Borlaug Institute for International Agriculture (Q77898290) in Scholia

What's Next?

Improve metadata quality & quantity

- Add reference, languages, additional statements
- Automate uploading of data using tools such as Wikidata: ORCIDator
- Add researchers, articles, links to repository
- Provide Instruction for Institute to manage their Wikidata & use it to create Wikipedia content

References
Wikidata:Scholia. (n.d.). Retrieved July 10, 2020, from https://www.wikidata.org/wiki/Wikidata:Scholia