



# A Systematic Review in Research Data sharing of Agricultural researchers

By Jirawan Sriwong, Namtip Wipawin, Sam Gyun Oh, Onanong Naivikul, and Aree Thanyakijjanukij



## Introduction

Data sharing is a key of success in collaboration research and innovation catalyzation in agriculture research.

Without participation of agriculture researchers, research data sharing in agriculture research may not be accomplish.

This review will study their research data sharing practice and perception with systematic review some published scholarly articles.

The finding will help librarian and any worker understand their need, behavior and perception about research data sharing in agriculture research

## Research Methodology

Searching Articles    Assessment Articles    Data Extract & Analysis

## Inclusion and Exclusion Criteria

From the pool of 95 articles, only 15 articles meted the inclusion criteria. The articles assessed the quality of their research methodology with the Mixed Methods Appraisal Tool (MMAT) version 2011.

Criterion	Inclusion	Exclusion
Language	English	Non-English
Topic	Research articles on research practice and research data practice	- Not a research article - Articles which their objectives do not focus on research practice and research data practice
Participants	Researcher or scholar in Agriculture	Non-Researcher or scholar in Agriculture
Time	2008-2018	Before 2008

## Limitation

According to using only published scholarly articles, we found that all papers are conducted in the USA by librarian working in the university library. The results from certain context will help workers have some ideas and feel familiar with data sharing practice of the agriculture researchers. **Generalization the results should be cautiously considered.**

## Motivation of Data sharing



Grant Mandate & Publisher Requirement

It is an important reason why the researchers start to share their data



Community Practice

Sharing as a key of collaboration research and standard practice of their community



Sense of Good Citizen

Sharing is the way to pay back to other researchers and people who give them a fund

## The Way To Share



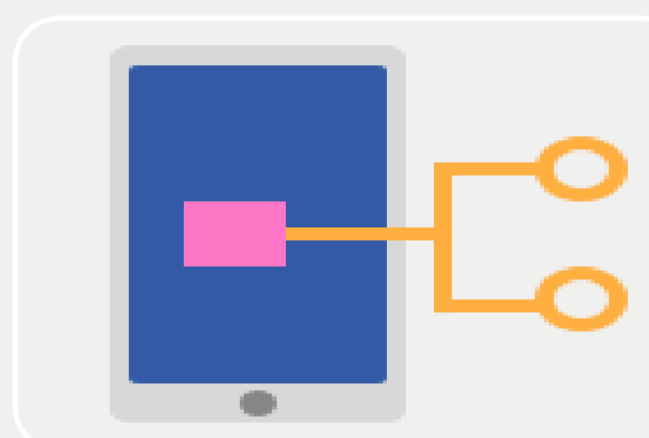
Supplement Files

- PDF Format
- Value-added data can be shared.
- Long-termed preservation by publishers is concerned.



Data Repository

- IR & Domain repository e.g. Genbank
- Only raw data accept that take time to manage data before deposit.



Privately

- Email
- Personal Web e.g. Research gate
- Lab or Department Website

## Challenges of Data Sharing from Researchers Perception

1

TIME AND EFFORT

To manage data ready to deposit in repository requires time, skill and effort.

2

MISINTERPRETING CONCERN

Due to variation in environment and factor in agriculture research, the researchers are worried about misinterpreting their data when reuse by the others

3

MULTIDISCIPLINARY

Agriculture research now is multidisciplinary. Researchers sometime have no idea which repository or journal that is suitable for published their research data.

4

IMPACT FROM SHARING

Data citation or credit is very few impact, comparing with writing an research articles.

## Acknowledgement Section

1. This poster is a part of my dissertation on "The development of ASEAN rice research data service model with scholarship support by Thammasat University and Royal Golden Jubilee Ph.D. Project, Thai Research Fund Agency.
2. Icons used in the poster made by Freepik from www.flaticon.com and Graphic Burger from http://graphicburger.com
3. PowerPoint templates from presentationgo.com

## Contact Information

Jirawan Sriwong  
jirawan.sriwong@gmail.com