

# Tripartite Cooperation in Assigning ETDs with DOIs - A Practical Experience of National Taiwan Normal University Library

Librarian, Chiu-Yun Yu<sup>1</sup>, Director, Hao-Ren Ke<sup>2</sup>

Email: [miayu@ntnu.edu.tw](mailto:miayu@ntnu.edu.tw)<sup>1</sup>, [clavenke@ntnu.edu.tw](mailto:clavenke@ntnu.edu.tw)<sup>2</sup>

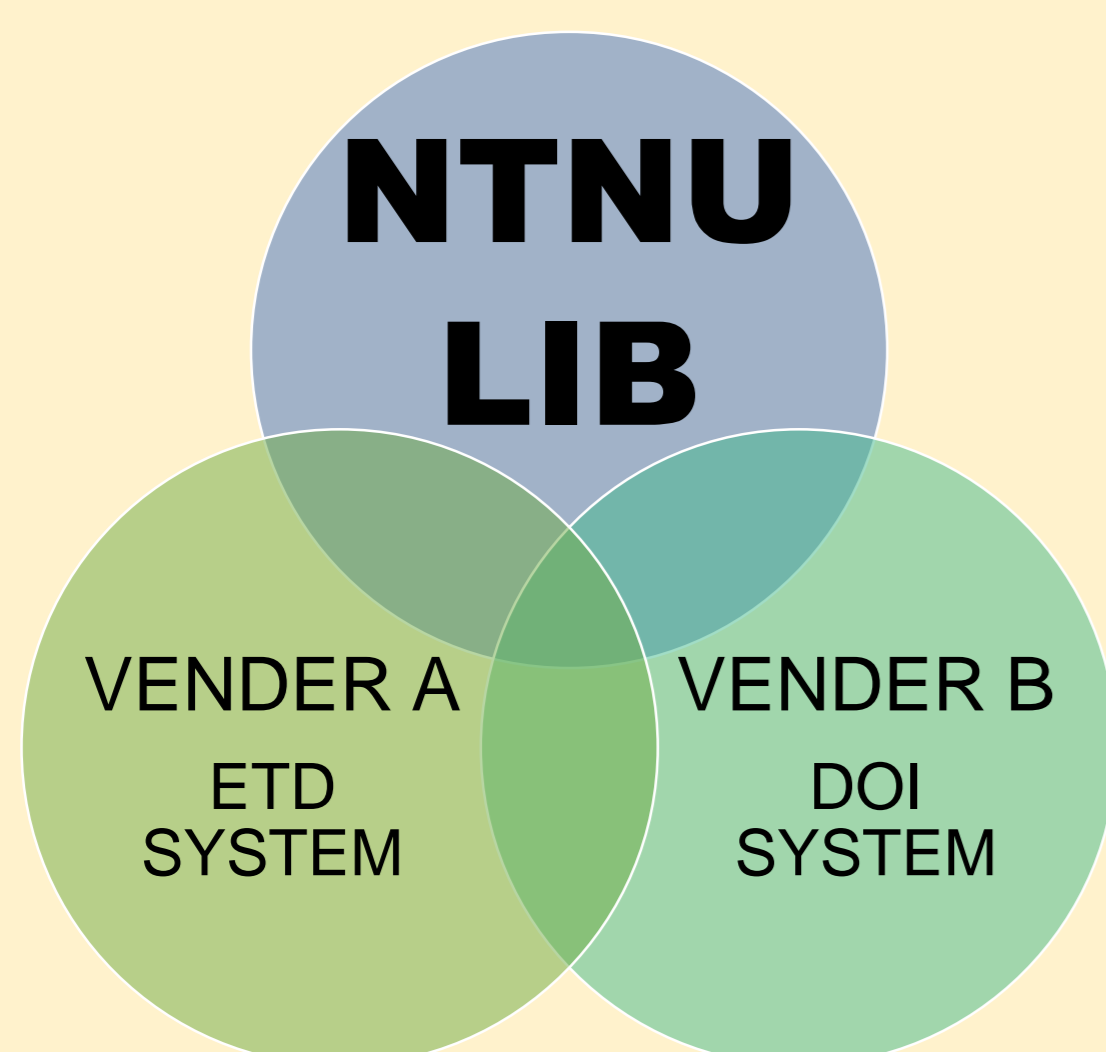
## ABSTRACT

National Taiwan Normal University (NTNU) Library used to manually manage the open access authorizations of electronic theses and dissertations (ETDs). After years' implementation, NTNU Library realized that more resources are needed to maintain the authorizations in order to increase the visibility of student ETDs. Therefore, NTNU library decided to use the ETD system to record and manage the authorizations, and at the same time use Digital Object Identifier (DOI) to improve international visibilities of ETDs. NTNU Library engaged with two different vendors to cooperate and set up the DOI assignment mechanism to improve international visibility of students' ETDs. This poster aims to share a valuable lesson through tripartite cooperation, and we firmly believe other institutions can benefit from our experience to save time and effort spent on the launch of such cooperation.

**Key words:** DOIs, ETDs, visibility, citation, cooperation, ranking

## Difficult

Because the automatic assignment of DOIs to ETDs involves the interoperability of systems developed by different vendors, the situation is a little complex. The DOI registration agency in Taiwan (say vendor A) is different from the developer of the ETD System of NTNU Library. (say vendor B)



## Method

- Set up Submit Flow Chart
- Tripartite Kick-Off meeting

### Phase 1 Kick-off meeting

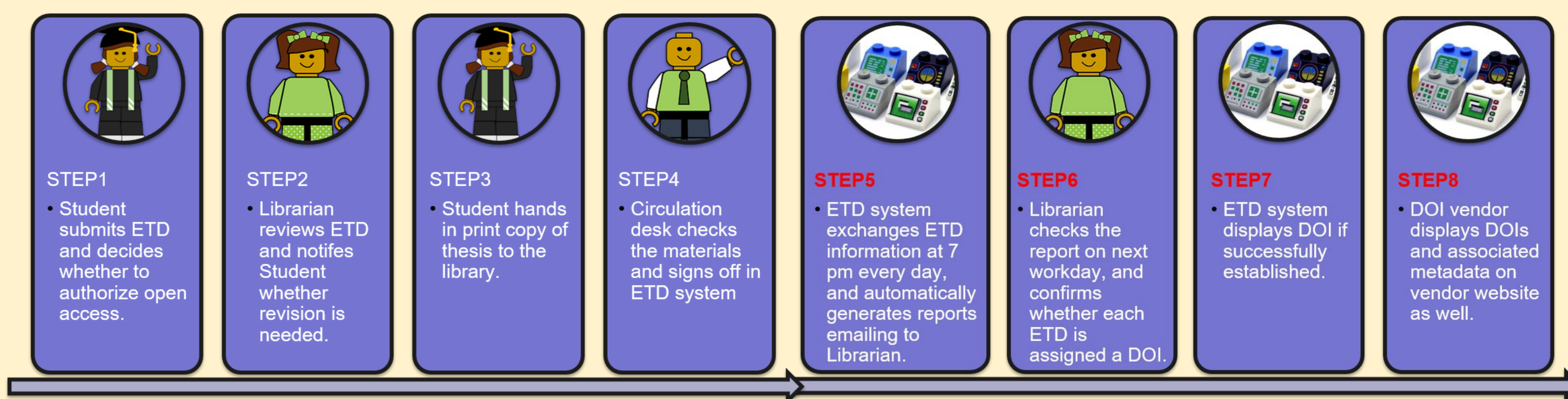
Date: 30/11/2017  
Attendance: NTNU staff and 2 Vendors - PM/IT/SALES  
\* API specification 1.0  
\* 30/11/2017-15/12/2017 test environment

### Phase 2 Troubleshooting

1/3/2018 Go live, but  
\* errors (DOI not found)  
\* duplicate DOI

### Phase 3 Present

\* API specification 2.0  
\* 31/10/2018-present working normally



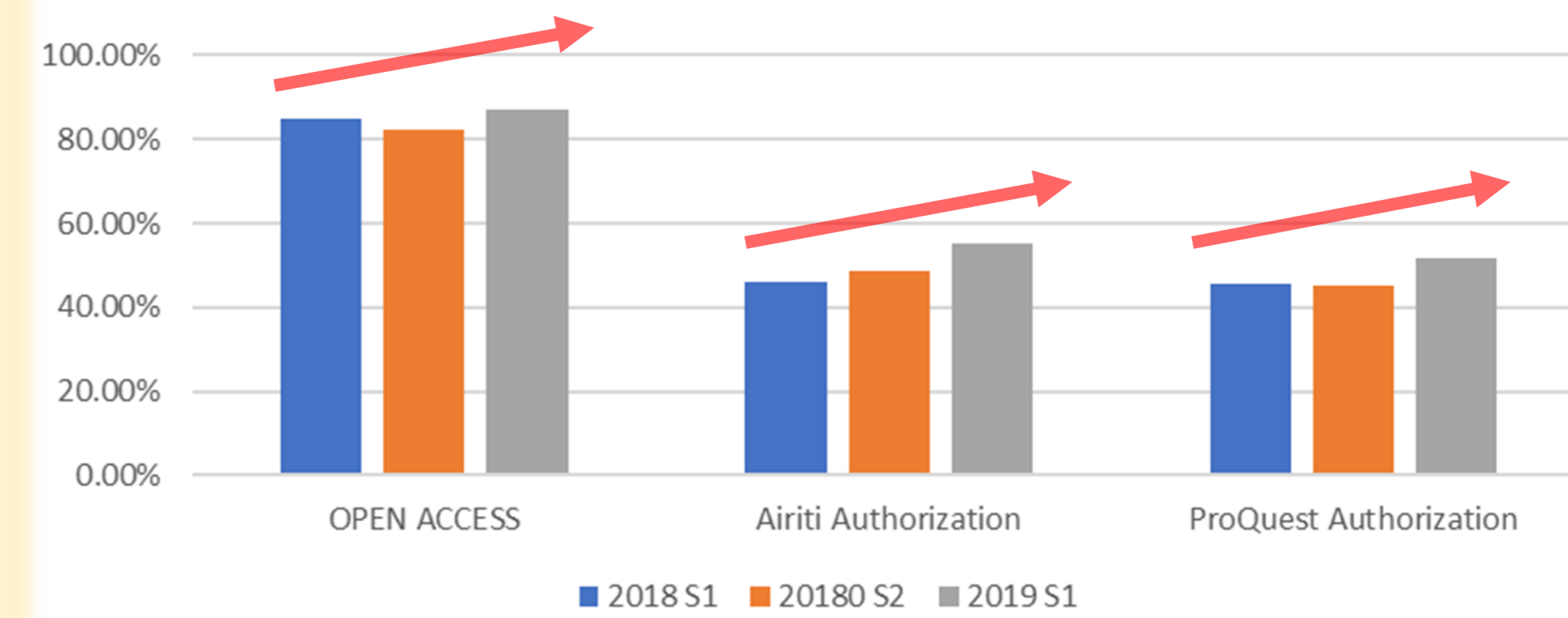
## Result



## Conclusion

- OPEN ACCESS raises
- VISIBILITY raises

### OPEN ACCESS Authorization Percentage



In conclusion, we have understood the importance of developing a customized technical specification for conducting a tripartite cooperation project, and of a standardized process of verifying functionality and accuracy of the established DOI links. These verification steps are crucial in ensuring that the established DOI links are indeed from authorized ETDs, and therefore protecting students' intellectual property rights. Our next step in this project includes increasing the authorization rate, as well as citations of our established DOIs to raise international visibility of NTNU.