mahalo project

https://mahalo.ex.nii.ac.jp/ **Released on July 2021**

DIAS
Data Integration & Analysis System

Mahalo Button: Building the Network of Gratitude for Sharing the Dataset Usage

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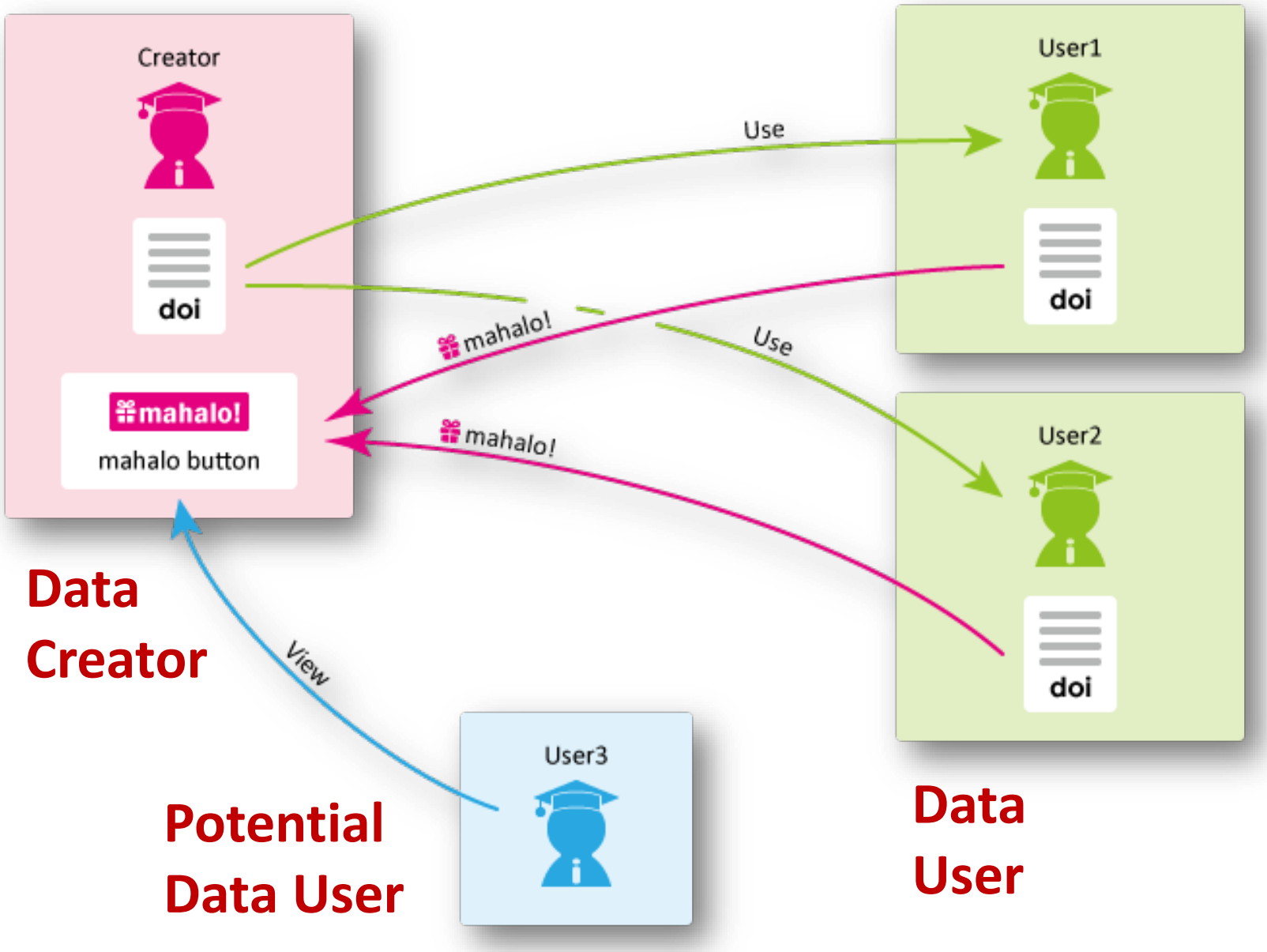
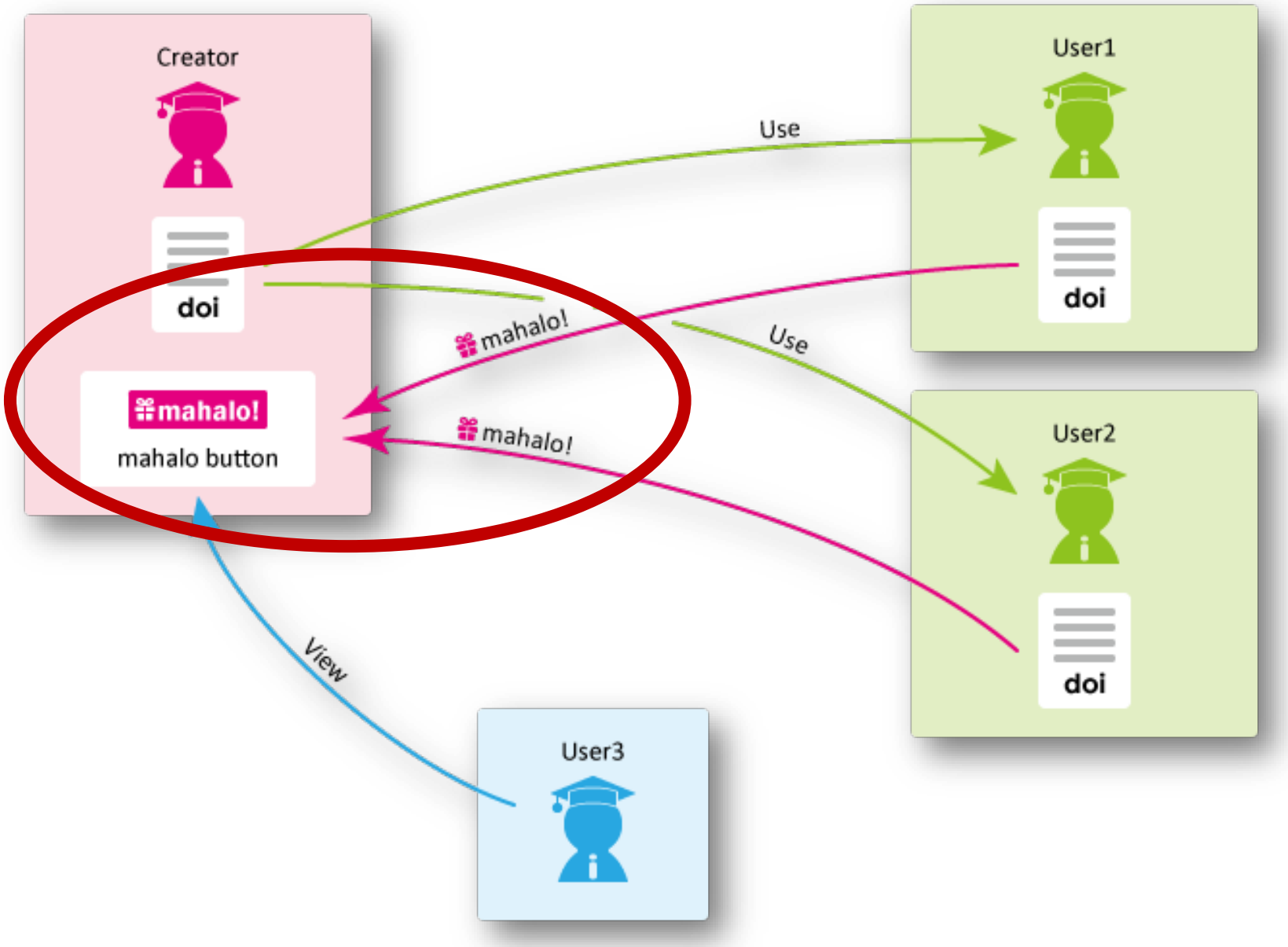
The Network of Gratitude

Mahalo is a Hawaiian word for 'thank you,' but it has a broader meaning such as admiration, praise, esteem, regards and respects (Mary Kawena Pukui et al., Hawaiian Dictionary, 1986).



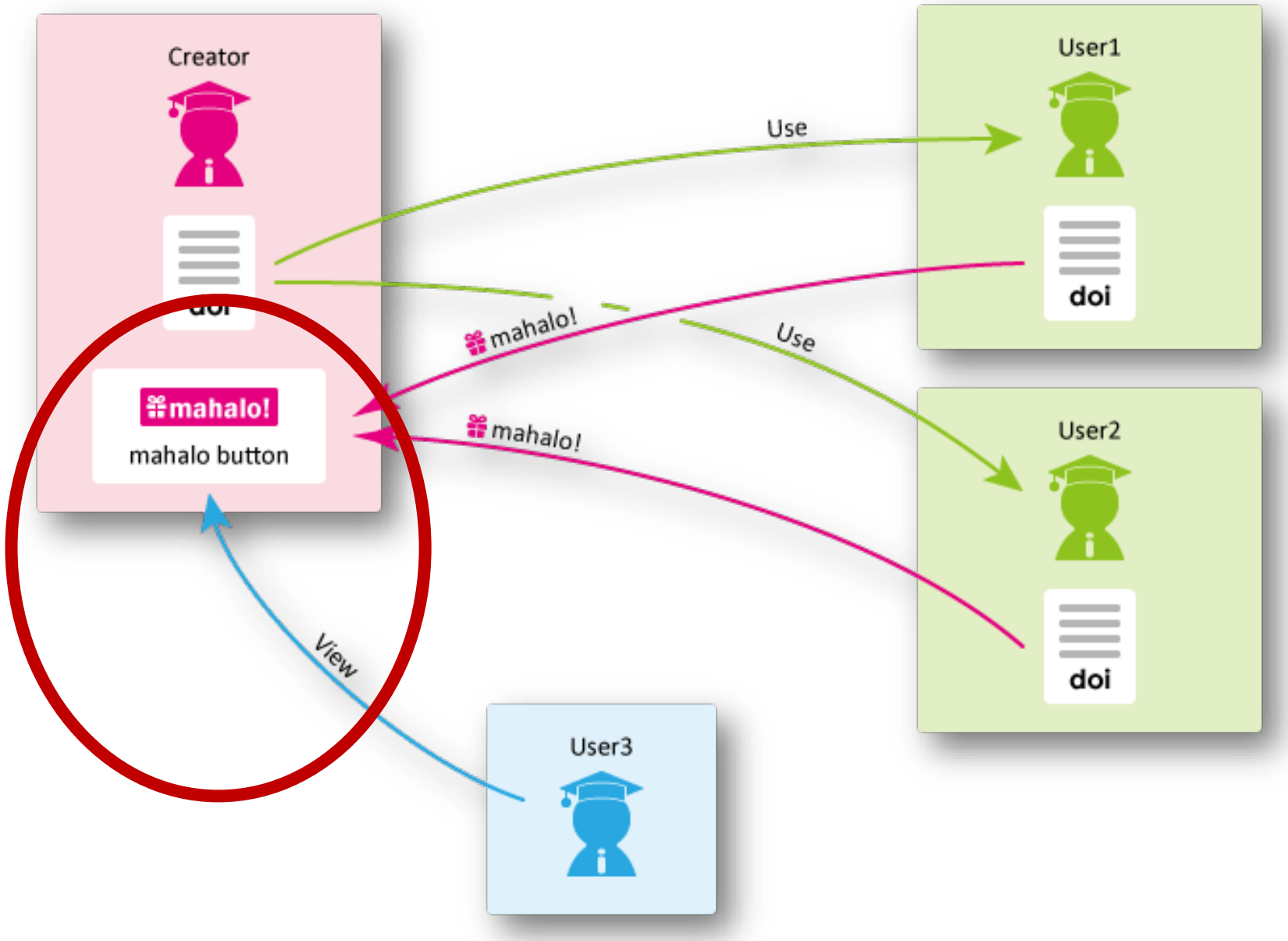
Pay-back Sharing 恩返し

Data users say thank you with a message and the **DOI** of research publications.



Pay-forward Sharing
恩送り

Potential data users can learn from papers and messages of **data users** and turn to **new data users**.



Mahalo Button

https://mahalo.ex.nii.ac.jp/

The Mahalo Button is activated on the landing page of the dataset to share dataset usage and give credit.

1. **Data Creators:** Login to the Website, and generate a UUID and the snippet. Then paste the snippet to the landing page of the dataset to activate the button.
2. **Data Users:** Give the DOI of research publications with a “Thank You Message” to data creators.
3. **Potential data users**: Read case studies collected at the button to be inspired for their usage of the dataset.

Open Science - How to Reward Data Creators?

Data Citation

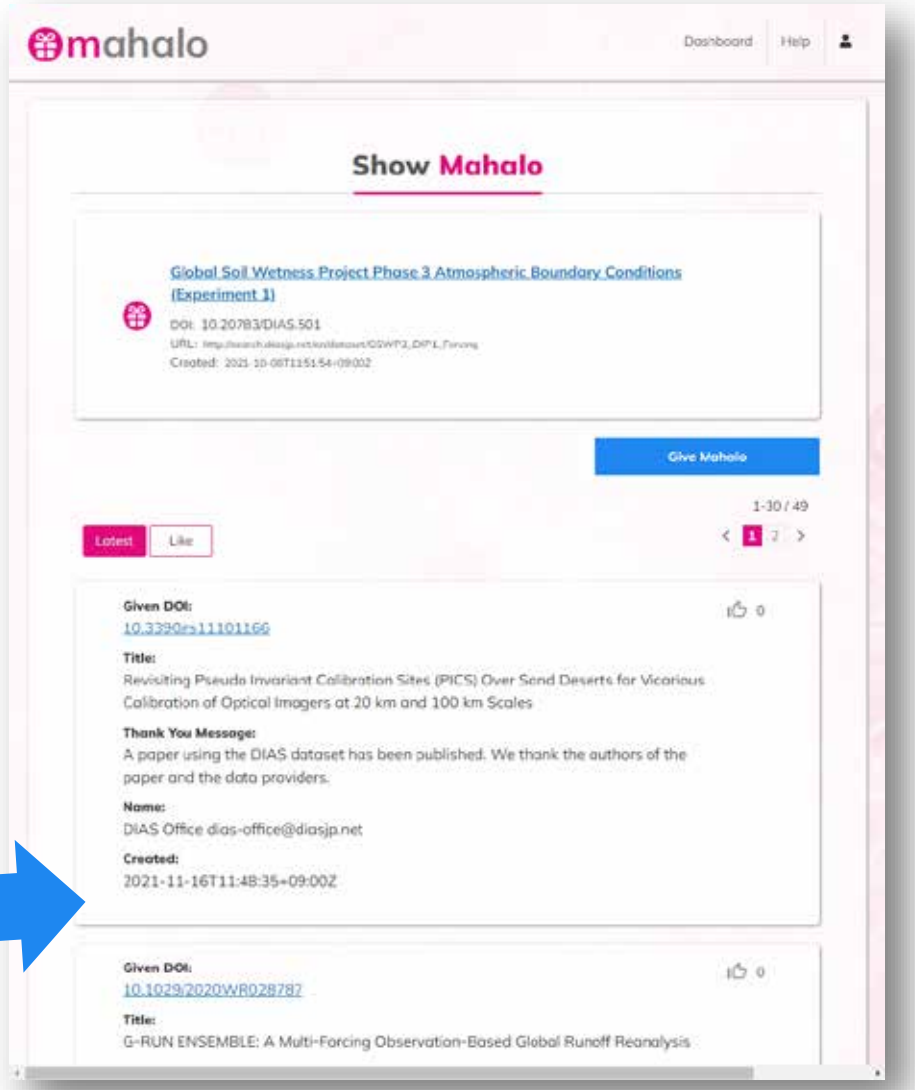
1. **Obligatory**: authors are required to include proper citation in their papers.
2. **Indirect**: users and creators have uni-directional relation.
3. **Heavy-weight**: globally collecting citation information requires a powerful platform.

Mahalo Button

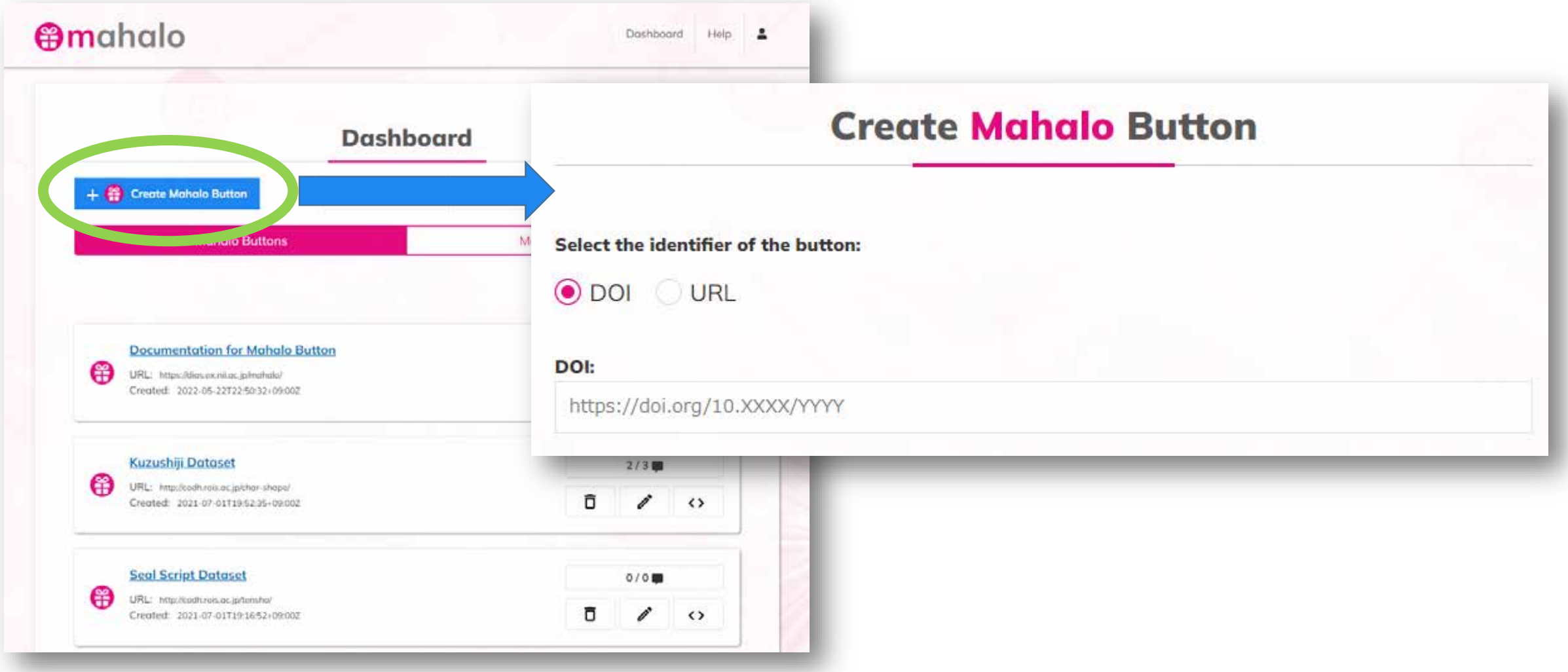
1. **Voluntary**: we ask data users to say thank you to data creators by pushing the button.
2. **Direct**: users give messages directly to creators.
3. **Light-weight**: data usage can be collected on a relatively simple platform.

Introduction of Mahalo Button to DIAS

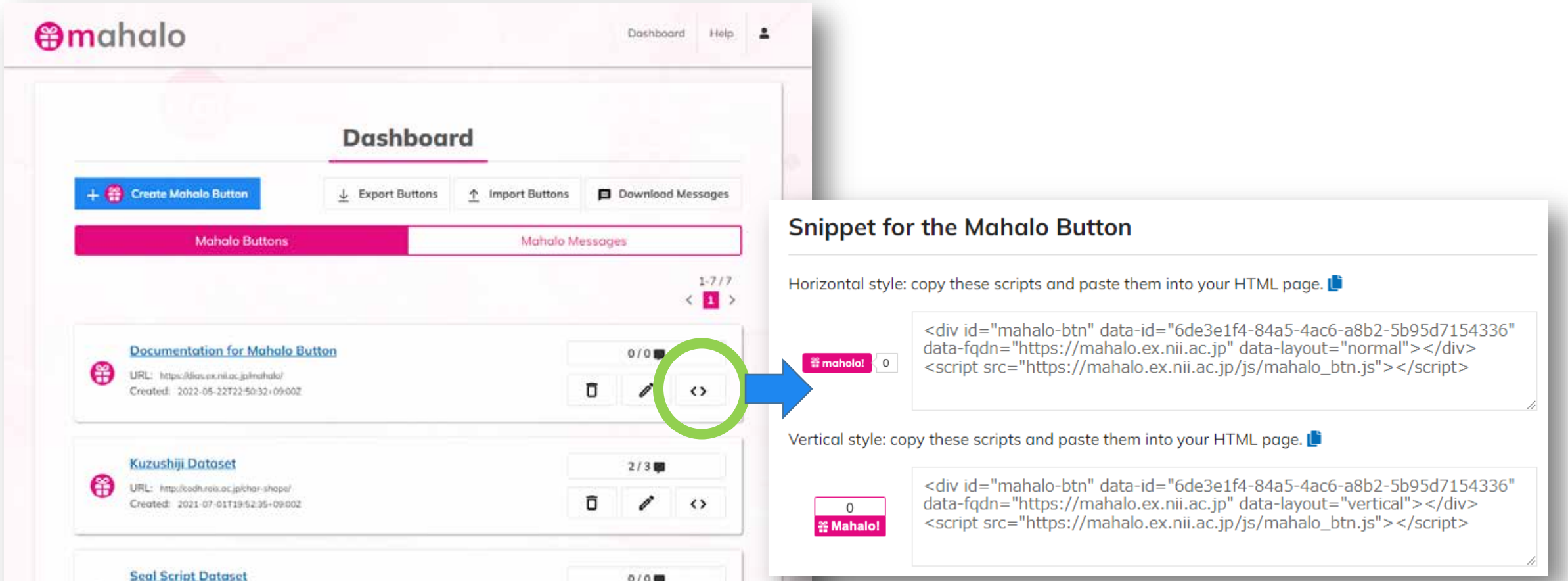
https://diasjp.net/infomation/20211116/



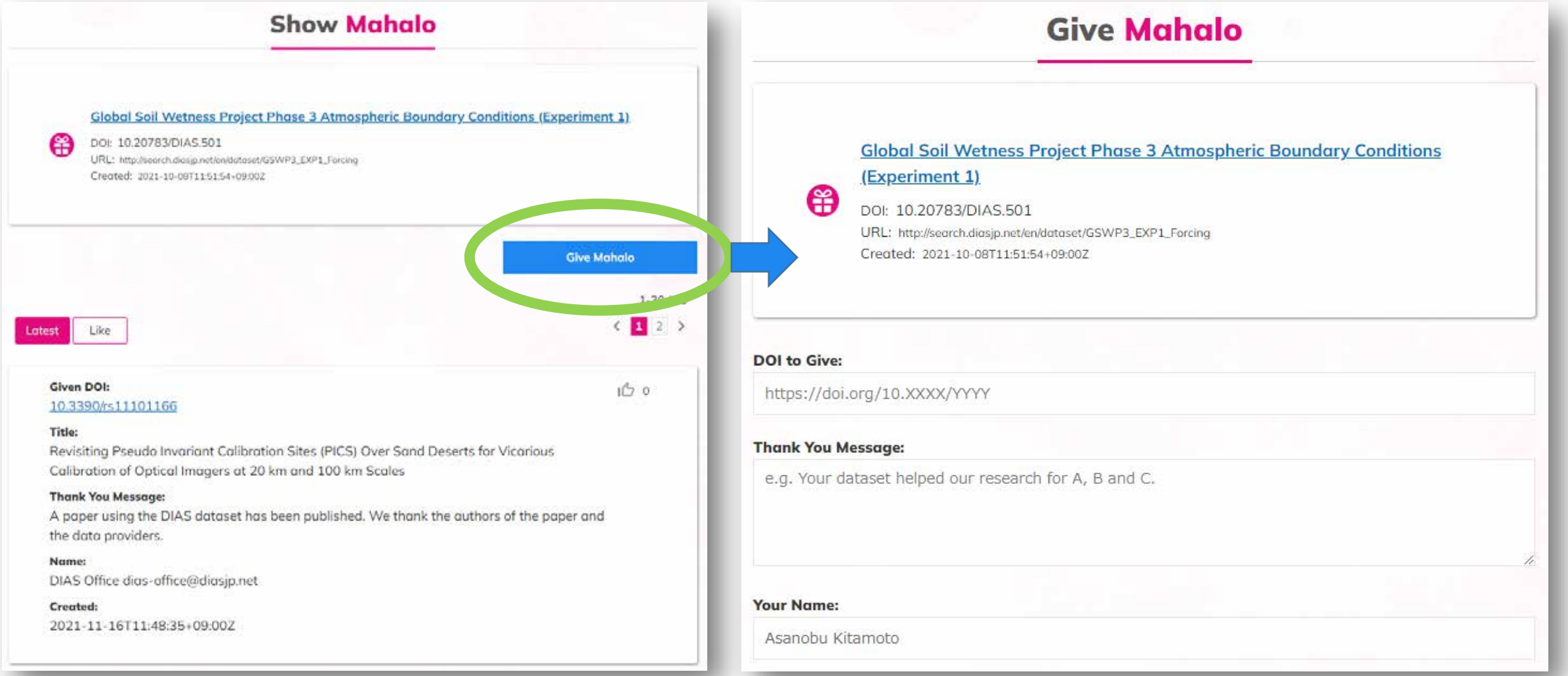
Data Creators – Create the Mahalo Button



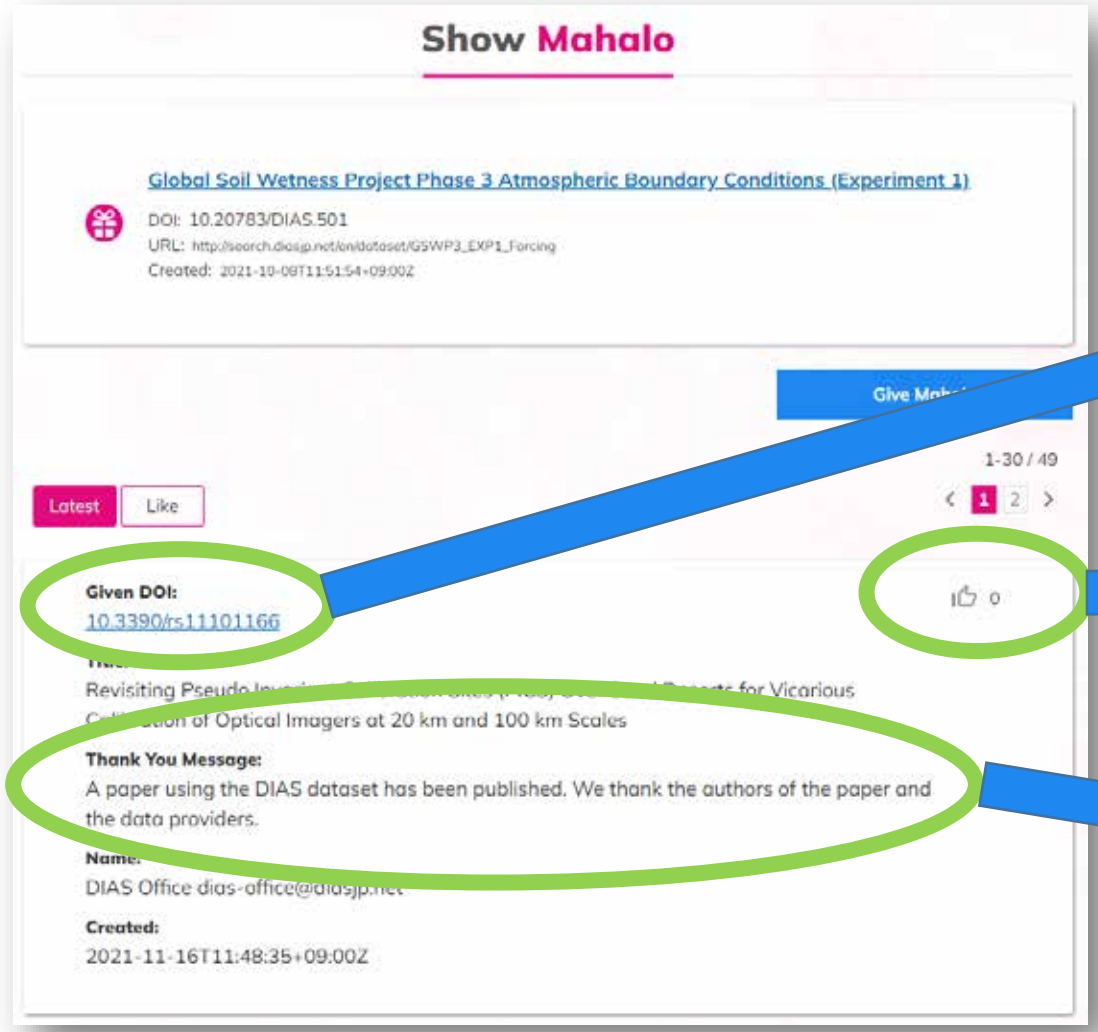
Data Creators – Paste the Mahalo Button

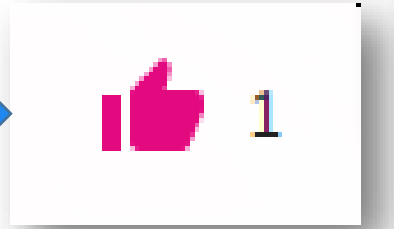


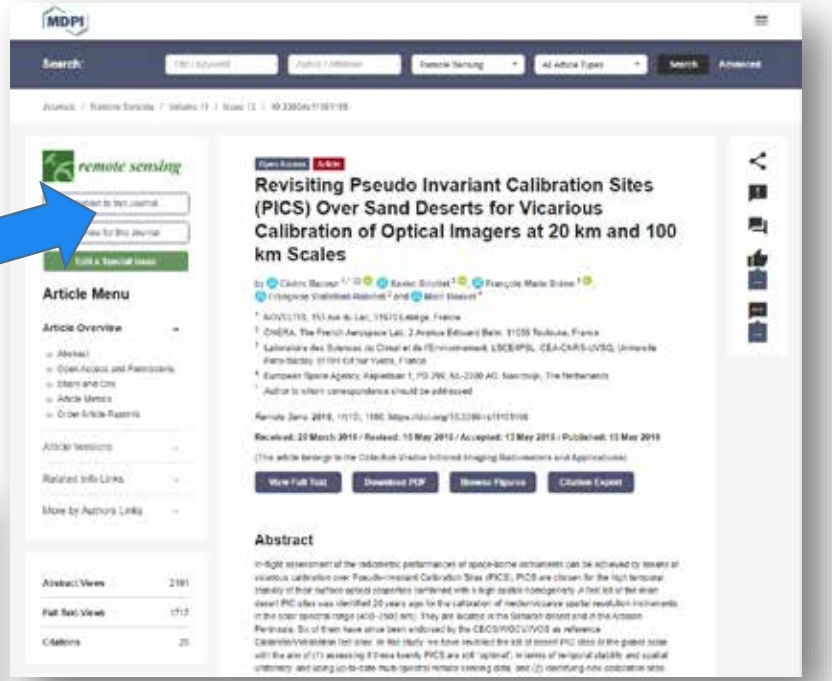
Data Users – Give Mahalo



Potential Data Users – Like Mahalo

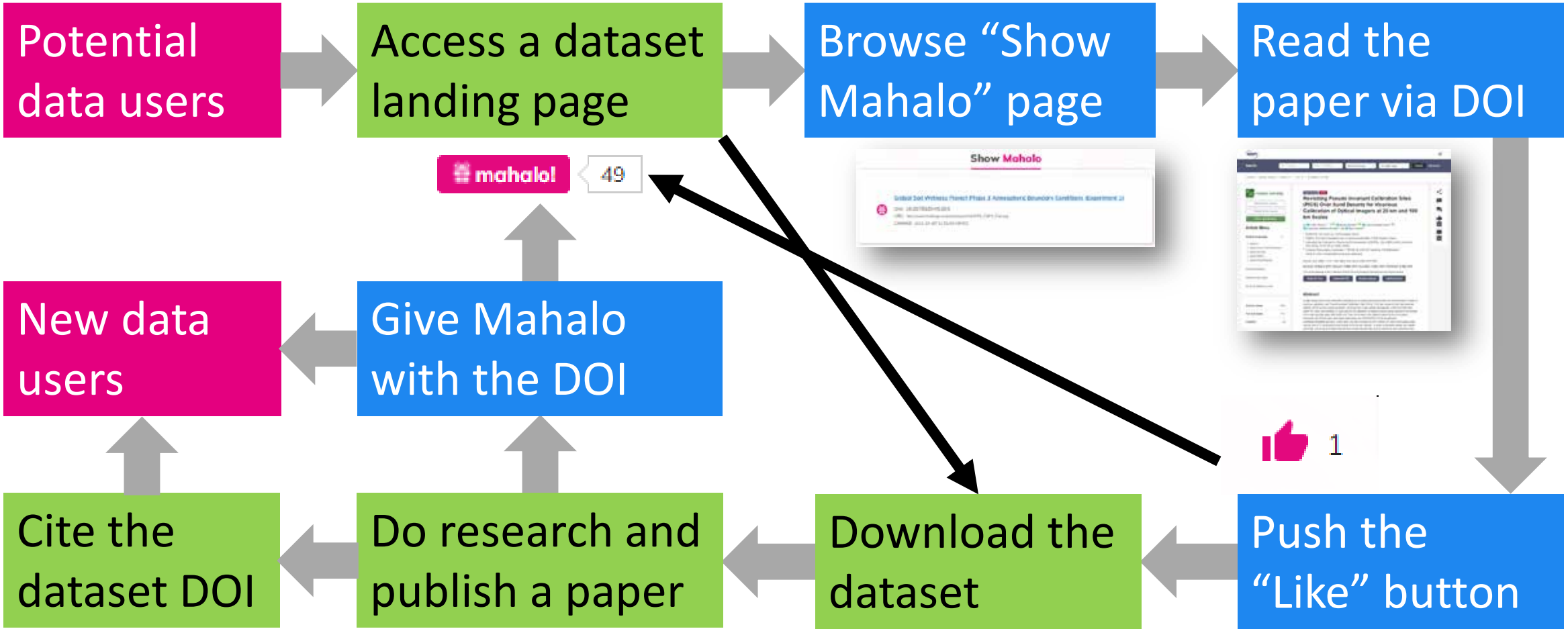






Direct messages from users to creators are also useful to share with potential data users.

Potential Data Users Turn to New Data Users



Cold Start Problem of Participatory Systems

Provider-driven Process

Participatory process

Usage reports collected from users based on the DIAS terms of use.

Data citations collected from the DB (e.g. Google Scholar) using the DIAS dataset DOI.

Mahalo messages given by actual data users for the promotion of their research and the growth of data community.

Cold start phase

Virtuous cycle phase

Dissemination of the Mahalo Button

1. Mahalo Button is supported by the DIAS project, but the **service is open to everyone**.
2. Requirements: login using Google Firebase authentication and keep the terms of use.
3. Targets: communicate with **data creators, data users, and data repository curators** to collect various use cases.
4. Cultural change: The Mahalo Button ecosystem depends on the **shift of the mindset** of research communities.

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