

# Programmable Data Repositories



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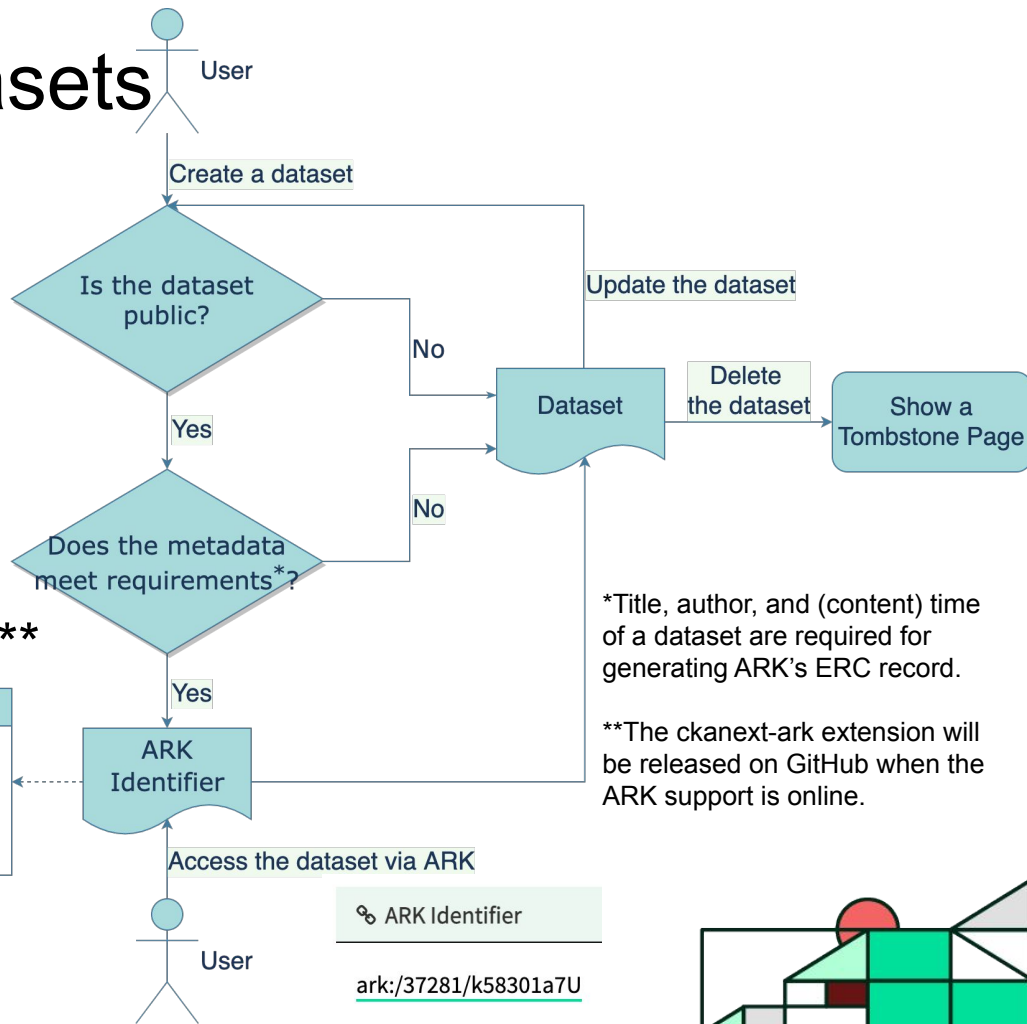


<https://data.depositor.io/en/dataset/or2022>



# Assigning PIDs to Datasets

- ARK persistent identifiers for public datasets
- Implemented with the **noid** Python package & new **ckanext-ark** CKAN extension\*\*

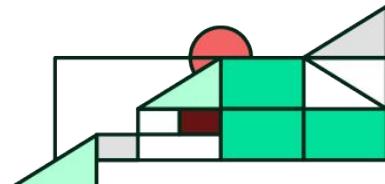


\*Title, author, and (content) time of a dataset are required for generating ARK's ERC record.

\*\*The ckanext-ark extension will be released on GitHub when the ARK support is online.

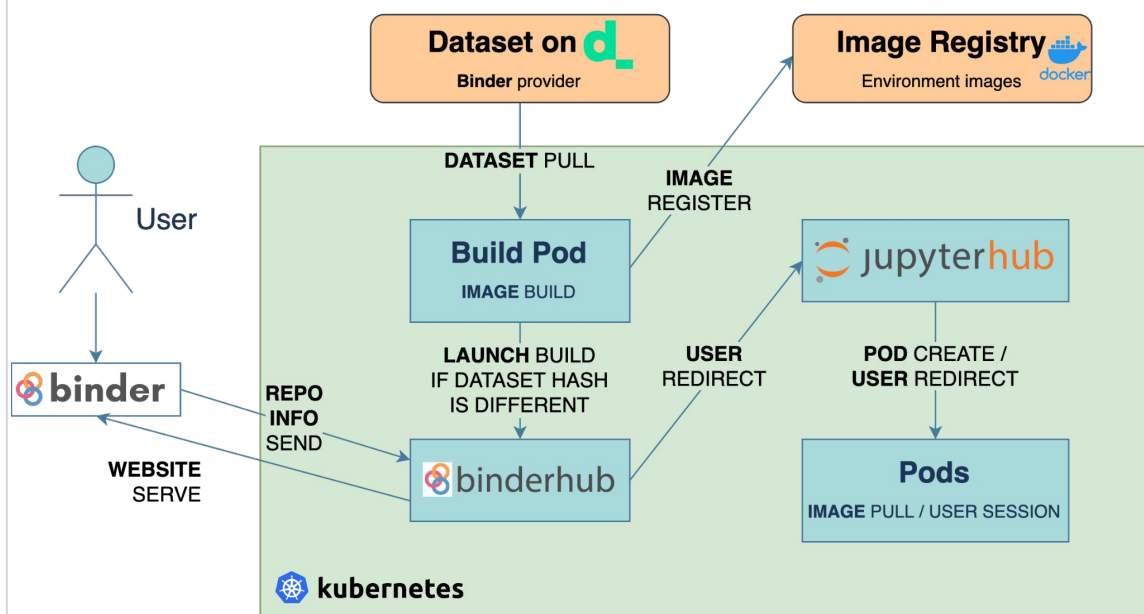
```
{
  "erc": {
    "what": "ark test",
    "when": "20220518-20220519",
    "where": "https://pid.depositar.io/ark:/37281/k58301a7U/",
    "who": "The depositar"
  },
  "erc-support": {
    "what": "Not Guaranteed",
    "when": "20220701",
    "where": "https://pid.depositar.io/ark:/37281/",
    "who": "The depositar | Institute of Information Science, Academia Sinica, Taiwan"
  }
}
```

ERC record
what
who
when
where



# Interactive Computing with Datasets

- Build the **BinderHub** interactive computing environments with datasets draw from the *depositor*.



## Jupyter Notebook with test data

Click to run this dataset: [launch binder](#)

### Data and Resources

[Example Data](#)

[Explore](#)

### Basic Information

Data Type	Source code
Language	English (eng)

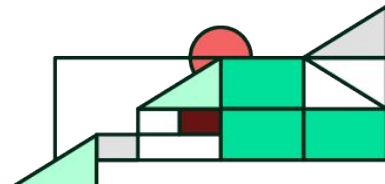
### Spatio-temporal Information

Start Time	2022
End Time	2022

### Management Information

Author	The depositor
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Adapted from the **diagram of the BinderHub architecture**:  
<https://binderhub.readthedocs.io/en/latest/overview.html>





# Thank You!

<https://data.depositar.io/>

[data.contact@depositar.io](mailto:data.contact@depositar.io)

The *depositar* is a collaboration at the Institute of Information Science, the Research Center for Information Technology Innovation, and the Research Center for Humanities and Social Sciences (GIS Center) in Academia Sinica, Taiwan. The project has been supported, in part, by grants from Taiwan's Ministry of Science and Technology.

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