**CNIC -CAS DO Use case**

**1. Back ground**

CNIC(computer network and information center of CAS) as the information service center for the Chinese Academy of Science (CAS), is responsible for building and operating the data and information e-infrastructure for the whole CAS institutions in various disciplines which are distributed in China, such as WDCM, CASearth, Matcloud, CSSDC, ex, and one of the key support of escience in China, and also for the industrial data application (tobacco industry, food and drug industry, exc.)

CNIC is the member of ePIC to provide PID service and actively research on DO and DOIP to be used combined with the potential data repository of db.

**2. Use case**

The use case related to DO is described concretely as below:

The value of DO has not been realized widely by various repositories in China and also the China government, they only get a basic knowledge that the PID will help to the published data not the DOIP nor the DO, while, some repositories expressed that DO will help with the distributed data access (climate data center) and automated workflow (Matcloud) . we have to admit that DO could not have the tightly relations to all the repositories, what we have to do is to focus on the some repository who have the show the potential to see the value of DO and interested to be involved in using DO in their stabilized service as the pilot.

As the PID provider, we are agreed that DOIP , data type registry and DO browser are the key elements to bring people to the discussion of DO, not only on the topic of PID, the next step is to coordinate these to the concrete scenario (or data processing steps ) of potential repository to give a more actionable use case to see the value of DO.