

# LSID Service

Kevin Richards

Providing GUID hosting services  
for those who may be technically  
limited

# The need

- ▶ Data providers that have valuable biodiversity datasets
  - ▶ Limited technical resources and skills to provide the data over the web
  - ▶ A need for uniquely identifying the data of these providers
- => there is a need for GUID hosting services for these providers

# LSID resolution

E.g.. urn:lsid:example.org:name:123

1. Lookup authority  
in DNS

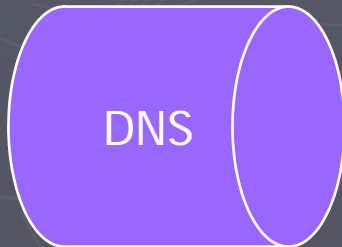


2. Get LSID  
metadata location



3. Get LSID  
metadata

example.org



http://example.org/



Step one tends to be the hurdle.  
Some providers cannot set up this step.  
=> handle this step using the "LSID Service",  
then "redirect" to the providers metadata

# Challenge flowchart

1. Set up LSID hosting service



2. Add "authority" for an example dataset/provider (technically limited provider)  
Multiple providers would be good



3. Upload example data and assign LSIDs



4. Make use of an LSID

# Outcome : Step 1

- ▶ Set up LSID hosting service

Now at <http://lsid.orpington.co.nz/home.php>

Username: test

Password: test

# Outcome : Step 2

- ▶ Add authority for an example provider
- ▶ Example provider is the Global Compositae Checklist
- ▶ LSID authority is hosted by [orpington.co.nz](http://orpington.co.nz), and will handle the DNS resolution step
- ▶ LSID namespace is "compositae"

# Outcome : Step 3

- ▶ Assign LSIDs
- ▶ LSIDs are resolved to the compositae data for the specified name (html at present). This will need to be in RDF eventually, but not available right now
- ▶ Eg LSID,  
`urn:lsid:orpington.co.nz:compositae:8aa745b0-4318-4137-8a27-56ecd5ab7dc6`

# Outcome : Step 4

- ▶ Make use of an LSID

At least we can test it using LSID Tester at <http://darwin.zoology.gla.ac.uk/~rpage/lcid/>