

Stable Citations for Herbarium Specimen on the Internet

Hyam, R.D., Drinkwater, R.E. & Harris, D.J.
Phytotaxa 73: 17–30 (2012)

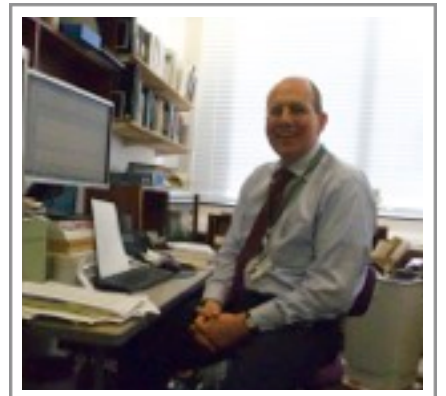


Royal
Botanic Garden
Edinburgh

Stable Citations for Herbarium Specimen on the Internet



Hyam, R.D., Drinkwater, R.E. & Harris, D.J.
Phytotaxa 73: 17–30 (2012)

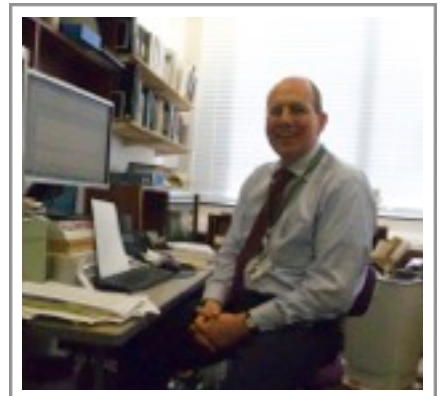


Royal
Botanic Garden
Edinburgh

Stable Citations for Herbarium Specimen on the Internet



Hyam, R.D., Drinkwater, R.E. & Harris, D.J.
Phytotaxa 73: 17–30 (2012)



Royal
Botanic Garden
Edinburgh

Founded in 17th Century



1858



1964

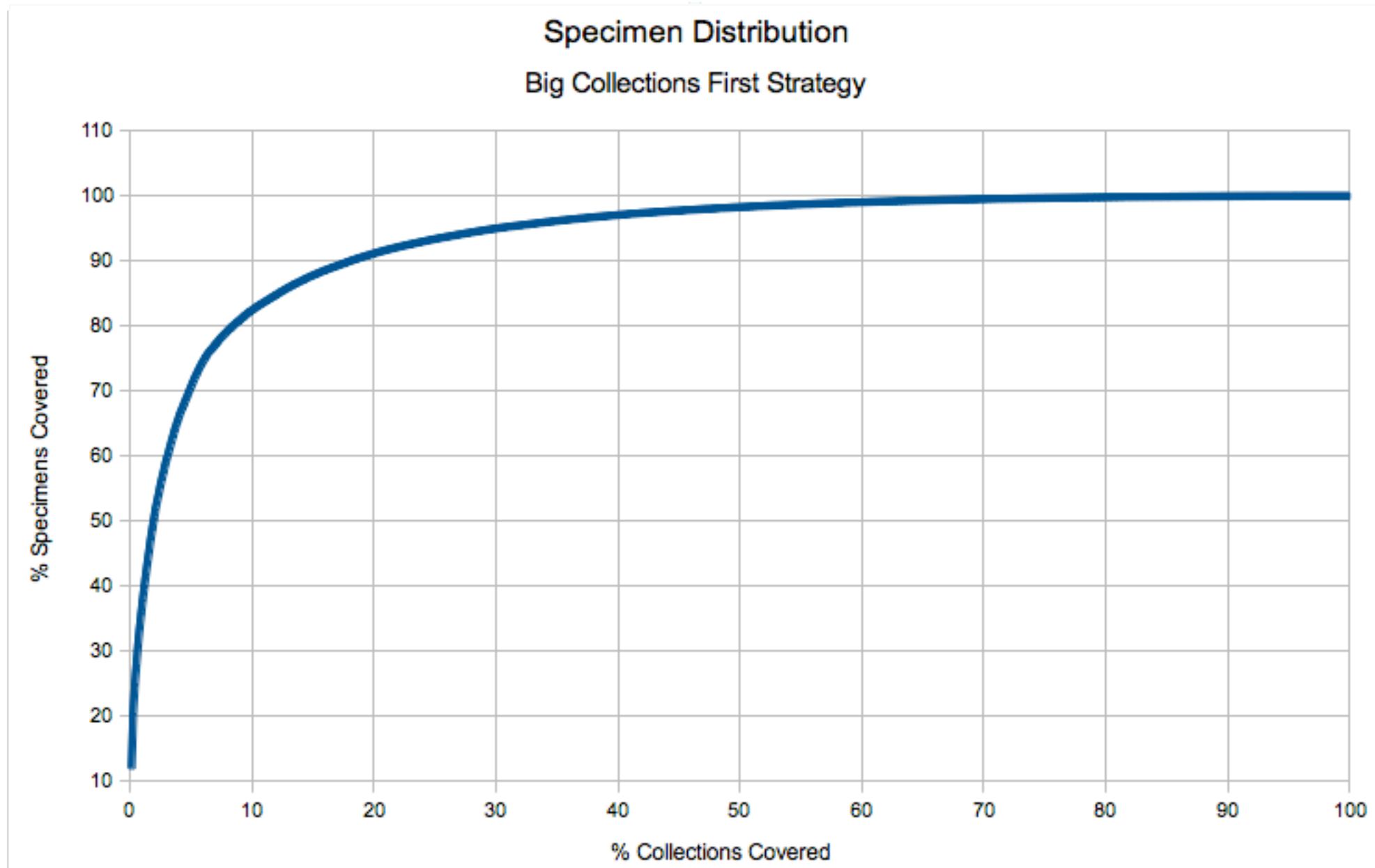








Most Specimens Are In Larger Collections



*These are back of an envelope calculations!

Our Use-Case:

“It seems reasonable that the reader of a taxonomic publication should expect to click on a reference to a specimen and see an image of that specimen immediately just as they do with references to written works.”



“Please may I see specimen XYZ.”



“Yes. Here it is.”



Our Basic Premiss:

“institutions ... are responsible for curating **all** the collections they hold and making them available to the research community in perpetuity.”

Implications

Implications

- The user wants data not 'metadata'

Implications

- The user wants data not 'metadata'
- We are responsible for hosting that data

Implications

- The user wants data not 'metadata'
- We are responsible for hosting that data
- We must be able to change suppliers, locations and organisation

Implications

- The user wants data not 'metadata'
- We are responsible for hosting that data
- We must be able to change suppliers, locations and organisation
- Links must work on multiple platforms now
 - PDF, Desktop, Web, Kindle, ePub etc

Implications

- The user wants data not 'metadata'
- We are responsible for hosting that data
- We must be able to change suppliers, locations and organisation
- Links must work on multiple platforms now
 - PDF, Desktop, Web, Kindle, ePub etc
- Links must be stable
 - They are embedded in documents we don't control

HTTP URIs - Linked Data Compliant

HTTP URIs - Linked Data Compliant

<http://data.rbge.org.uk/herb/E00421509>



HTTP URIs - Linked Data Compliant



<http://data.rbge.org.uk/herb/E00421509>

See: <http://elmer.rbge.org.uk/...>



HTTP URIs - Linked Data Compliant



<http://data.rbge.org.uk/herb/E00421509>

See: <http://elmer.rbge.org.uk/...>

<http://elmer.rbge.org.uk/...>



HTTP URIs - Linked Data Compliant



<http://data.rbge.org.uk/herb/E00421509>

See: <http://elmer.rbge.org.uk/...>

<http://elmer.rbge.org.uk/...>



HTTP URIs - Linked Data Compliant



<http://data.rbge.org.uk/herb/E00421509>

See: <http://elmer.rbge.org.uk/...>

<http://elmer.rbge.org.uk/...>



~ Just following web best practice ~

Why HTTP URIs?

Why HTTP URIs?

- Universally implemented in clients

Why HTTP URIs?

- Universally implemented in clients
- Only supplier dependency is legal rights to domain name `rbge.org.uk`

Why HTTP URIs?

- Universally implemented in clients
- Only supplier dependency is legal rights to domain name `rbge.org.uk`
- Easy & Cheap to implement alongside existing hosting

Why HTTP URIs?

- Universally implemented in clients
- Only supplier dependency is legal rights to domain name `rbge.org.uk`
- Easy & Cheap to implement alongside existing hosting
- Linked Data method is extensible

Why HTTP URIs?

- Universally implemented in clients
- Only supplier dependency is legal rights to domain name `rbge.org.uk`
- Easy & Cheap to implement alongside existing hosting
- Linked Data method is extensible
- We have to do it anyway!!!

Alternative Use of GUID Services

Alternative Use of GUID Services



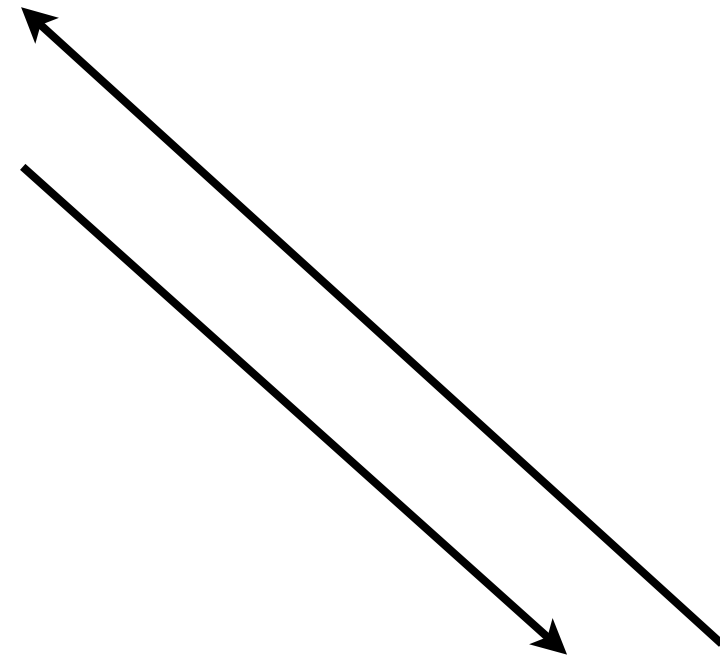
GUID
Supplier



Alternative Use of GUID Services



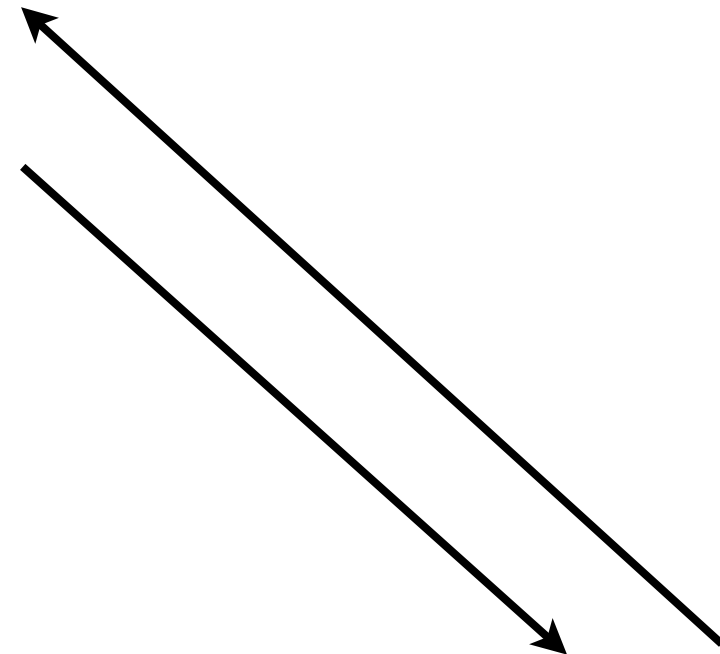
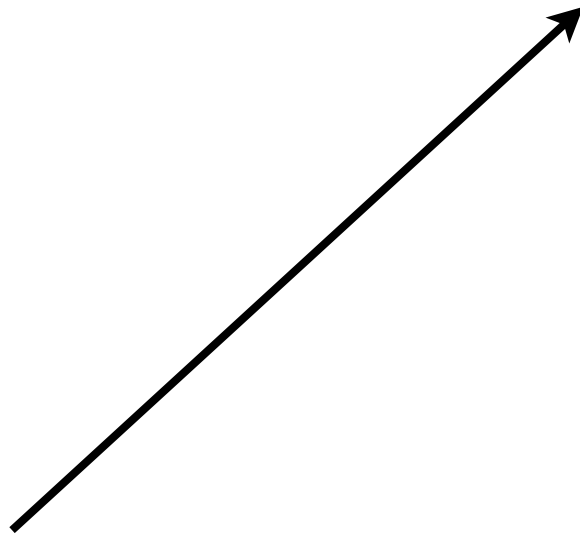
GUID
Supplier



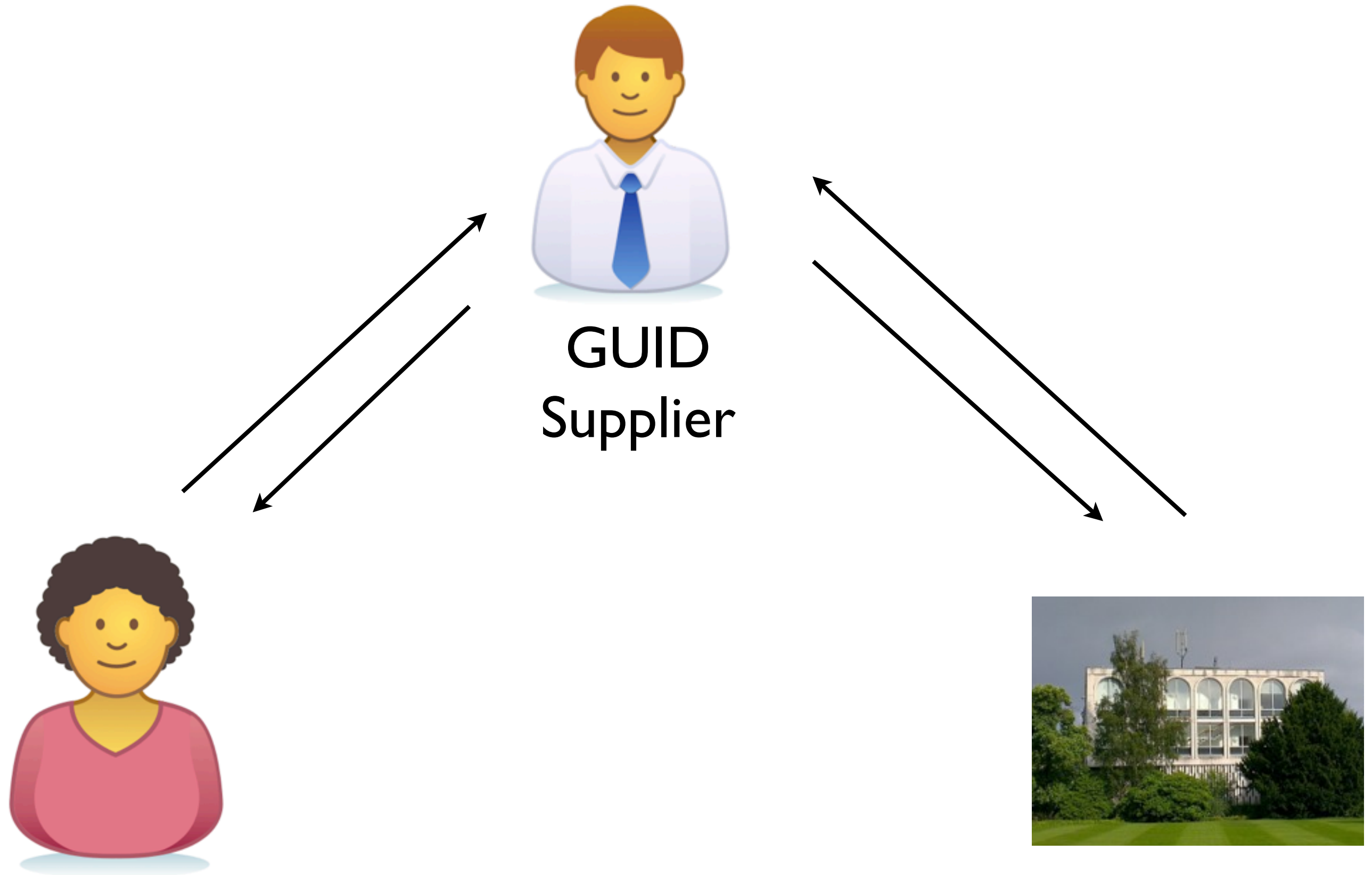
Alternative Use of GUID Services



GUID
Supplier



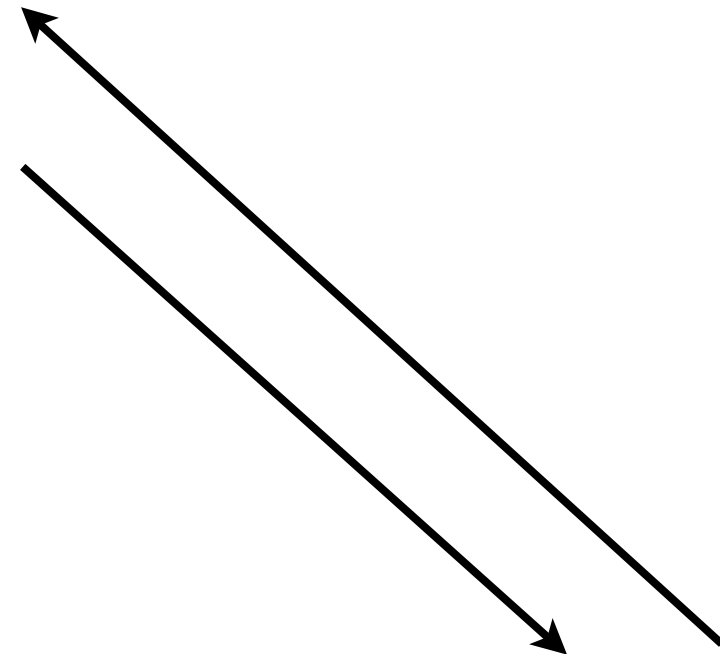
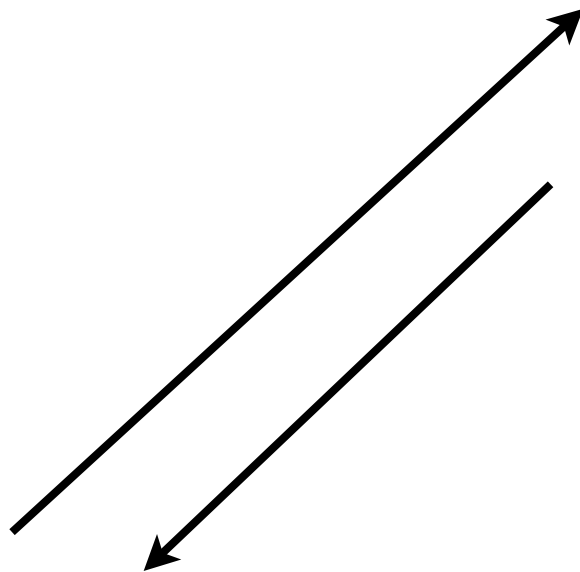
Alternative Use of GUID Services



Alternative Use of GUID Services



GUID
Supplier



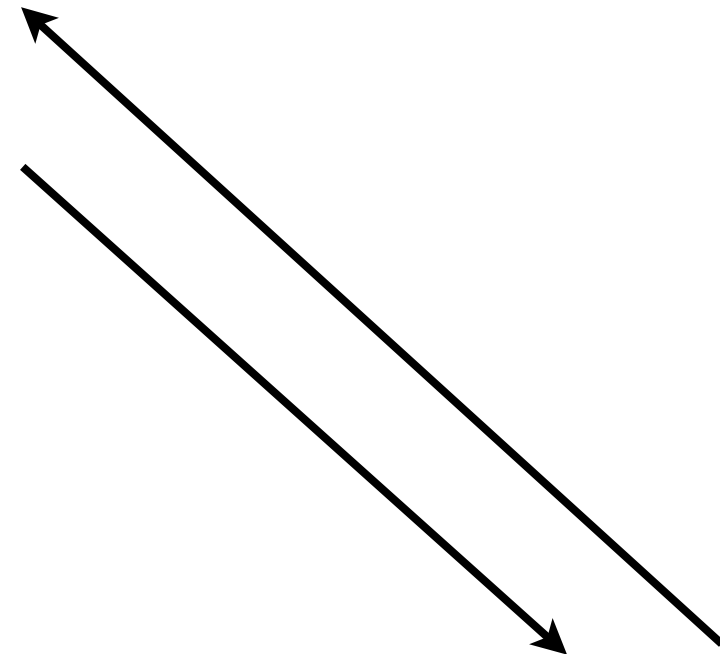
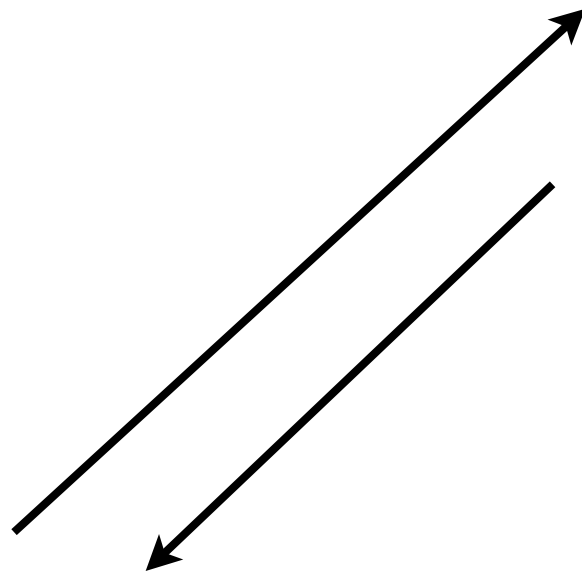
<http://data.rbge.org.uk/herb/E00421509>



Alternative Use of GUID Services



GUID
Supplier



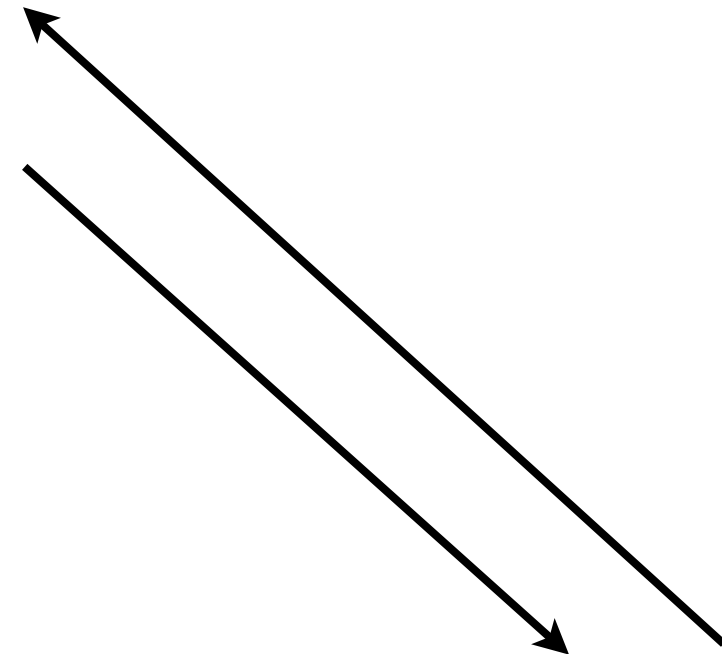
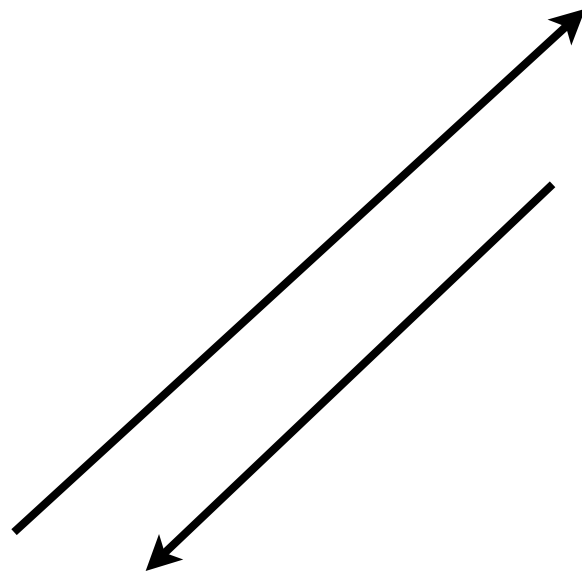
<http://data.rbge.org.uk/herb/E00421509>



Supplementary Use of GUID Services



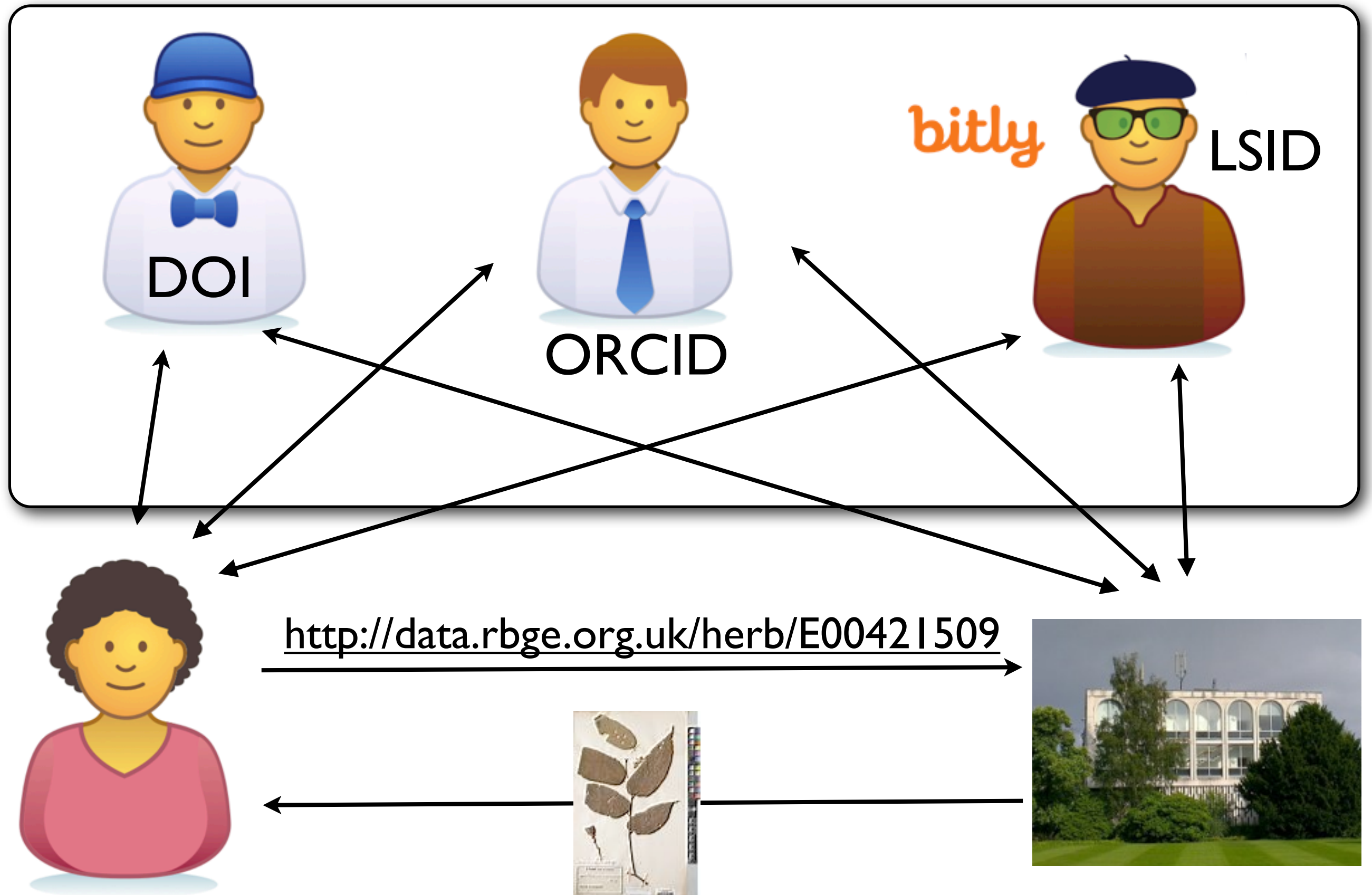
GUID
Supplier



<http://data.rbge.org.uk/herb/E00421509>



“Persistence Candy” & “Staple Vegetables”



Conclusions

Conclusions

- If we are going to host our own data this is a good thing to do anyway

Conclusions

- If we are going to host our own data this is a good thing to do anyway
- It is cheap

Conclusions

- If we are going to host our own data this is a good thing to do anyway
- It is cheap
- It is easy

Conclusions

- If we are going to host our own data this is a good thing to do anyway
- It is cheap
- It is easy
- It would be nice if all the larger institutions did it

Conclusions

- If we are going to host our own data this is a good thing to do anyway
- It is cheap
- It is easy
- It would be nice if all the larger institutions did it
- We are happy to help others implement this

Conclusions

- If we are going to host our own data this is a good thing to do anyway
- It is cheap
- It is easy
- It would be nice if all the larger institutions did it
- We are happy to help others implement this
- We could build a very simple registry

Any Questions?



Royal
Botanic Garden
Edinburgh