What is behind the OpenDOAR?
New Developments and Community Benefits

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OpenDOAR is …

A list of

- Repositories
- Metadata
- Technical capabilities
- Statistical information

…but it can also be part of something more …
Behind the OpenDOAR: Technical Architecture
Behind the *OpenDOAR*: The Register and its Statistics

Registry of information

- Metadata
- Technical capabilities
- Policies
- Third party specific data
- Automatic detection

Statistical information

- Number of items
- Types of items
- Anything else you can count …
Behind the *OpenDOAR*: API

- **Read API for public access**
  - Statistics
  - Registry information

  **Discovery Interface**

- **Write API for authorised users**
  - Supplying statistics
  - Enhancing registry data
  - Quality control

  **Administrative Interface**
Benefits:
Third Party Services

- Utilise API
- Data extraction

- Feeding back:
  - Data updates
  - Statistical information

- Provide their own functionality to their users
- Distributes quality control!
OpenDOAR and the Third Party Service

OpenDOAR

Aggregation

Iterator

Content count

Content count statistics

Search service

http://core.kmi.open.ac.uk/search

Open Access Dashboard

How big are the repositories

How many objects are there
Some Imagined Services

note that these are imagined services based on real existing services...
Compliance

Compliance lists
eg from funder or CRIS

Iterator

OA Monitor

Aggregation

OpenDOAR

Open Access Dashboard

Licensing of repository content

Validate publisher against RoMEO

Compare external compliance to repository holdings

RoMEO Stats

Compliance report
Jisc Publications Router/RJB

http://edina.ac.uk/projects/rjb-root/index.html
Passive JPR

Depositor

External feed
eg DOAJ articles

Iterator

Aggregation

OpenDOAR

Repository

Deposit

Deposit capability

Discovery
100,000,000 Scientific Facts

Iterator

Aggregation

OpenDOAR

Content Mine

Data pushed back into OpenDOAR?

Other content type

Scientific Facts

http://contentmine.org/
Behind the *OpenDOAR*:
Functions

http://opendoar.ooz.cottagelabs.com
Communities of Practice

- Special interest repositories
  - Chemistry, OA images, Maps
- Custom interfaces
- Data reused
- Feedback
  - more available data, greater quality, greater potential for more services
Beyond the OpenDOAR: Towards an OA Dashboard

- Repository content counts
- Licensing break down of repository content (via OAG)
- Licensing of publisher content in repositories (via romeo)
- Other statistics ...

Provided per-repository, and more importantly in Aggregate
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OpenDOAR

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