UKOER Metadata

Phil Barker <phil.barker@hw.ac.uk>
JISC CETIS Learning Technology Adviser
http://jisc.cetis.ac.uk/

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About UKOER

- Scope: Universities in England (mostly)
- Aim: institutions to set up sustainable mechanisms for making a significant amount of existing learning resources freely and openly available.

http://www.jisc.ac.uk/oer

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A commitment that goes beyond the project funding

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A degree's-worth of material for starters

http://www.jisc.ac.uk/oer

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To anyone, no charge, minimal restrictions on use.
Creative Commons

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About UKOER

- Scope: Universities in England (mostly)
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- Extent:
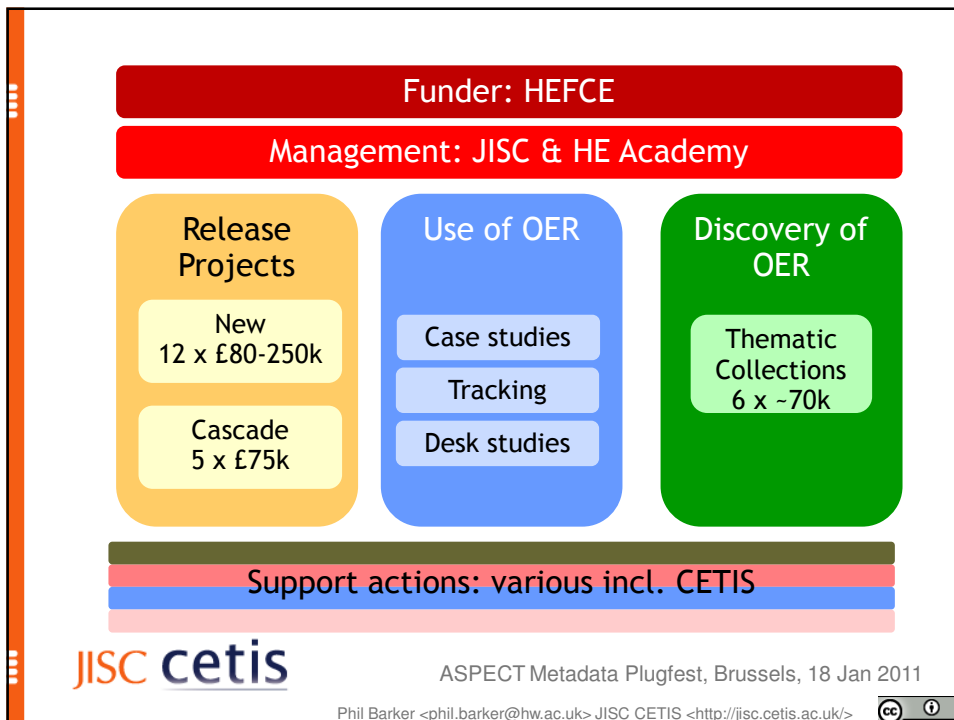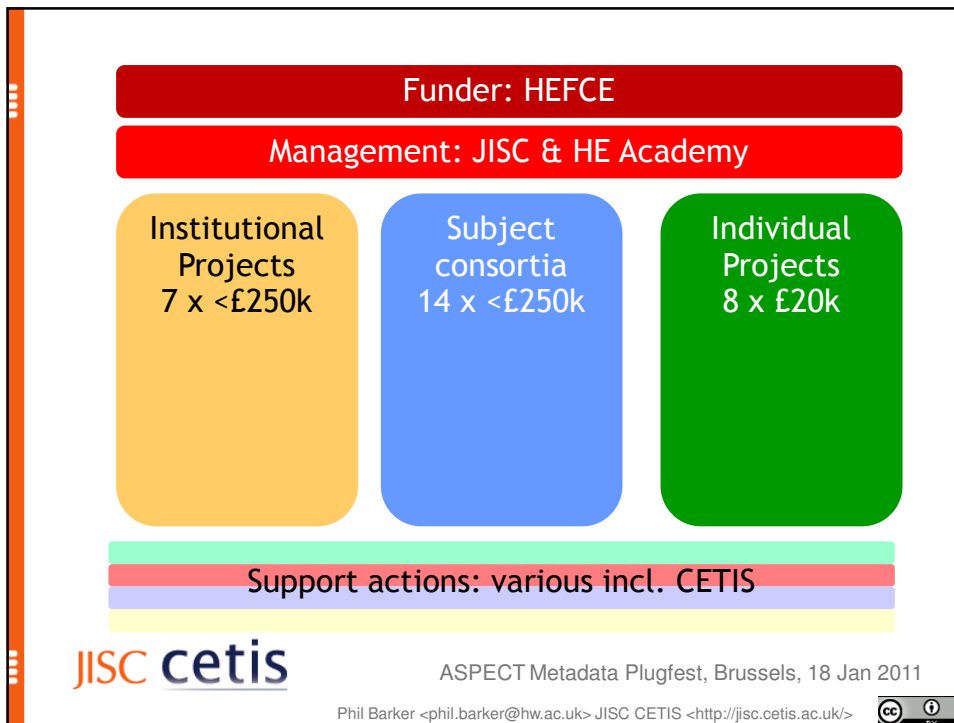 Phase 1, 2009-10 ~£5.7M;
  Phase 2, 2010-11 £5M.

http://www.jisc.ac.uk/oer

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Slide 1

Funder: HEFCE

Management: JISC & HE Academy

| Institutional Projects 7 x <£250k | Subject consortia 14 x <£250k | Individual Projects 8 x £20k |

Support actions: various incl. CETIS

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Slide 2

Funder: HEFCE

Management: JISC & HE Academy

Release Projects
- New 12 x £80-250k
- Cascade 5 x £75k

Use of OER
- Case studies
- Tracking
- Desk studies

Discovery of OER
- Thematic Collections 6 x ~70k

Support actions: various incl. CETIS

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Background to UKOER Technical Requirements

- Diverse projects
- Not a repository/library programme
- Relatively low funding and emphasis on sustainability
- Must not create obstacles to release.
- Realisation that for years JISC had specifying sophisticated metadata that could be used to build clever services; but had been in a cycle where resource providers weren't motivated to create metadata until service used it.

http://blogs.cetis.ac.uk/lmc/2010/04/16/then-and-now/

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UKOER Technical Requirements

- Content standards:
  - Expect a wide range of content types so mandating specific content standards is impractical. However Projects should consider using appropriate standards for sharing complex objects e.g. IMS Content Packaging IMS Common Cartridge and IMS QTI for assessment items.
- Platform
  - Projects are free to use any system or application as long as it is capable of delivering content freely on the open web
  - all projects must also deposit their content in JorumOpen [national repository]
  - should use platforms that are capable of generating RSS/Atom feeds particularly for collections of content

http://blogs.cetis.ac.uk/lmc/2010/12/03/oer-2-technical-requirements/

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UKOER Technical Requirements

- Metadata
  - [We] will not mandate the use of one single metadata application profile to describe content.
  - projects will need to ensure that content released through the programme can be found, used, analysed, aggregated and tagged. [which required metadata]
  - Metadata **must** include
    - Programme tag: `ukoer`
    - Title
    - Author/owner/contributor
    - Date
    - URL
    - (Tech info, file format, name & size removed for phase 2)
    - Licence info. (added for ph. 2)

http://blogs.cetis.ac.uk/lmc/2010/12/03/oer-2-technical-requirements/

Service 1: Find Feeds: Ensemble

http://galadriel.cetis.ac.uk/ensemble

Service 2: Find Items: Ensemble

Back to main page

Xpert

Currently searching 155943 resources.

Please enter your keywords

quantum tunneling

Search

Media search | Advanced search | Browse Resources

http://xpert.nottingham.ac.uk/

Service 3: Bulk upload to Jorum

- Supports UKOER requirement for deposit in Jorum
- Inspired by podcasting and iTunesU upload

```
<rss xmlns:atom="http://www.w3.org/2005/Atom"
    xmlns:dc="http://purl.org/dc/elements/1.1/" version="2.0"
<channel>
    <dc:title>… <dc:description>… <dc:subject>…<dc:creator>… <dc:publisher>
    <dc:rights>http://creativecommons.org/licenses/by-nc-sa/2.0/uk/</dc:rights>
 <item>
    <dc:title>… <dc:description>…<dc:subject>… <dc:creator>… <dc:publisher>
    <dc:rights>http://creativecommons.org/licenses/by-nc-sa/2.0/uk/</dc:rights>
    <link>http://…
…
```

http://community.jorum.ac.uk/course/view.php?id=49

Metadata in feeds

- Oxford University RSS Feed from
  http://podcasts.ox.ac.uk/openspires.html

```
<rss version="2.0"
    xmlns:atom="http://www.w3.org/2005/Atom"
    xmlns:creativeCommons="http://backend.userland.com/creativeCommonsRssModule"
    xmlns:dc="http://purl.org/dc/elements/1.1/"
    xmlns:ev="http://purl.org/rss/1.0/modules/event/"
    xmlns:geo="http://www.w3.org/2003/01/geo/wgs84_pos#"
    xmlns:itunes="http://www.itunes.com/dtds/podcast-1.0.dtd"
    xmlns:itunesu="http://www.itunesu.com/feed"
    xmlns:media="http://search.yahoo.com/mrss/"
    xmlns:s="http://purl.org/steeple" >
```

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Metadata in feeds

```
<channel>
    <title>Quantum Mechanics</title>
    <link>http://...</link>
    <atom:link rel="self" type="application/rss+xml" href="..."/>

    <description>....
    <image> ...</image>
    <language>en-GB</language>
    <lastBuildDate>Wed, 27 Oct 2010 15:14:59 +0100</lastBuildDate>

    <copyright>© Oxford University; the media items are released with a Creative
    Commons licence</copyright>
    <creativeCommons:license>http://creativecommons.org/licenses/by-nc-
    sa/2.0/uk/</creativeCommons:license>

    <itunes:author>... <itunes:category text="Education">... <itunes:image ...>
```

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Metadata in feeds

```
<item>
    <title>
    <category>physics</category>
    <category domain="http://www.jisc.ac.uk/oer/">ukoer</category>
    <description>Second lecture of the Quantum Mechanics ...
    <guid isPermaLink="false">http://
    <link>http://
    <enclosure url="http..." length="40781530" type="audio/mpeg"/><source>
    <pubDate>...

    <creativeCommons:license>http://creativecommons.org/licenses/by-nc-
    sa/2.0/uk/</creativeCommons:license>

    <itunes:subtitle> ... <itunes:summary>... <itunes:keywords>... <itunes:author>...
    <itunesu:category itunesu:code="109108"/> <itunes:duration>
```

Reflections/relations

- Good match between what we could mandate for UKOER and what RSS/ATOM supports
  - Bespoke/restricted namespaces exist that give better precision
- Supports collection level description
- Distinguishes between "rights" and "licence"
- Distinguishes between "item/resource" and "copy"
  - cf FRBR / ILOX

Licence

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