

DSPACE

The DSpace Course

Module – An introduction to DSpace

- By the end of this module you will:
 - Understand what DSpace is, and what it can be used for
 - Know the history of DSpace
 - Understand the role of the DSpace Foundation, and how it works
 - Understand the open source development model used by DSpace
 - Know how DSpace is licensed, and what this allows you to do

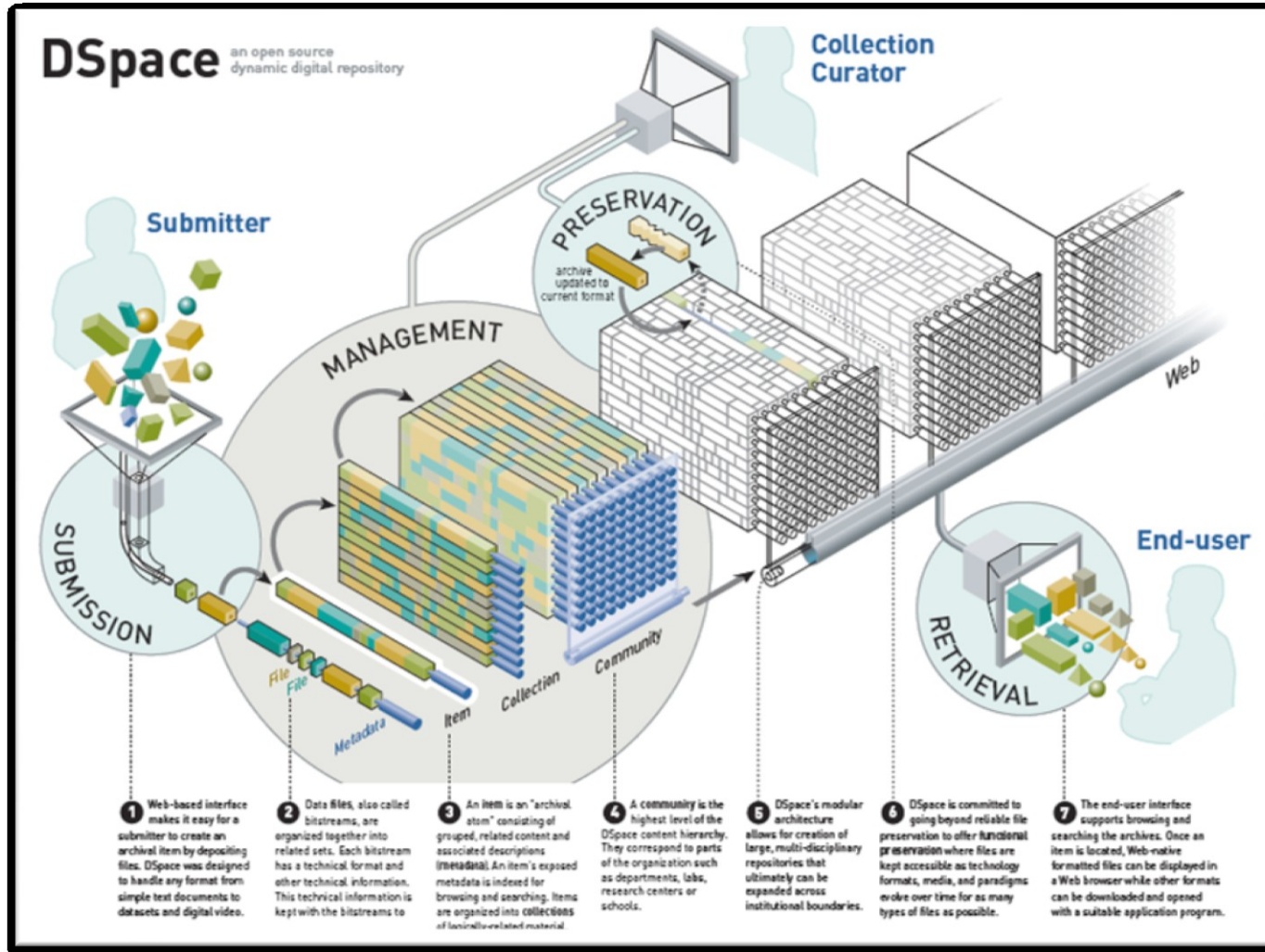
- DSpace is a platform that allows you to **capture** items in **any format** – in text, video, audio, and data. It **distributes it over the web**. It **indexes** your work, so users can **search** and **retrieve** your items. It **preserves** your digital work over the long term.
- DSpace is typically used as an institutional repository. It has three main roles:
 - Facilitate the **capture** and **ingest** of materials, including **metadata** about the materials
 - Facilitate **easy access** to the materials, both by **listing** and **searching**
 - Facilitate the **long term preservation** of the materials

What are the benefits of using DSpace?

- Some example benefits:
 - Getting your research results out quickly, to a worldwide audience
 - Reaching a worldwide audience through exposure to search engines such as Google
 - Storing reusable teaching materials that you can use with course management systems
 - Archiving and distributing material you would currently put on your personal website
 - Storing examples of students' projects (with the students' permission)
 - Showcasing students' theses (again with permission)
 - Keeping track of your own publications/bibliography
 - Having a persistent network identifier for your work, that never changes or breaks
 - No more page charges for images. You can point to your images' persistent identifiers in your published articles.

- DSpace can be used to store any type of digital medium. Examples include:
 - Journal papers
 - Data sets
 - Electronic theses
 - Reports
 - Conference posters
 - Videos
 - Images

What does DSpace look like?



<http://www.dspace.org/images/stories/dspace-diagram.pdf>

- The beginning: 2000
 - The DSpace project was initiated in July 2000 as part of the HP-MIT alliance.
- Software releases:
 - Version 1.0 – 8th November 2002
 - Version 1.1 - 8th May 2003
 - Version 1.2 – 13th August 2004
 - Version 1.3 – 3rd August 2005
 - Version 1.4 – 26th July 2006
 - Version 1.5 – 25th March 2008

- The DSpace Foundation was formed in 2007 as a non-profit organization to provide support to the growing community of institutions that use DSpace. The foundation's mission is to lead the collaborative development of open source software to enable permanent access to digital works.
- The DSpace Foundation employs four members of staff

- Core aims:
 - Develop and manage a strong network of service providers and training resources
 - Promote DSpace via a monthly newsletter, website, marketing materials etc
 - Build and support an active community of developers and users
 - Ensure DSpace integrates using open standards
 - Manage and co-ordinate the DSpace platform roadmap and software releases

- Open source software
 - BSD licence
- Community development model
 - Source code control repository (SVN)
 - Committers
 - Community welcome to submit bug reports, patches, feature requests
 - Email lists for support

- Follow the instructions on your ‘local instructions’ sheet to log in to your course computer

- These slides have been produced by:
 - Stuart Lewis & Chris Yates
 - Repository Support Project
 - <http://www.rsp.ac.uk/>
 - Part of the RepositoryNet
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 - <http://www.jisc.ac.uk/>

