Using AnIML as a Data Archiving Format in Academia

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Why do Academics need AnIML?

- Large datasets generated/used
- Many students work on projects
- Results from many instruments
- We need to track IP
- We need to share research data

- We forget things!

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A RIMS for Faculty

- Research Information Management
  - Flexible/extensible
  - Cheap
  - Easily accessible (web) but secure
  - Easy to maintain
  - Scalable
  - Interoperable

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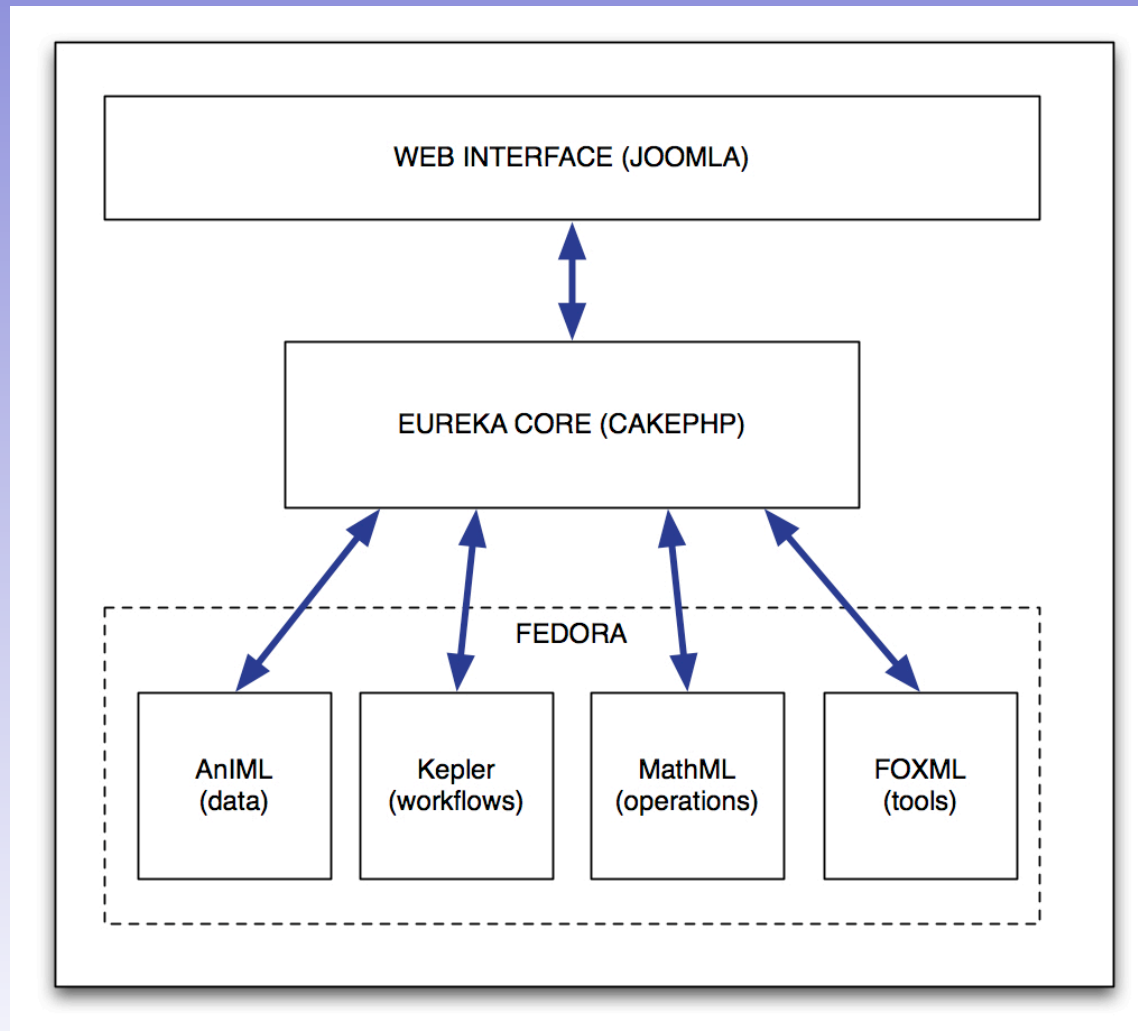UNIVERSITY of
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The Eureka Project

- Tool to archive, process, and disseminate scientific research
- Design and capture experiments
- Archive scientific data
- Process results
- Produce graphs/reports
- Share research data

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The Eureka Project

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Fedora

- Digital object repository software
- Open source - java based
- SOAP/REST APIs for access & admin
- Inbuilt search function
- Inbuilt versioning
- OAI 2.0 data provider service built in

  http://www.fedora-commons.org

AnIML in Fedora

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Joomla

- Open source CMS (mysql backend)
- Modular plugin architecture
- RSS Feeds

- http://www.joomla.org

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CakePHP

- http://www.cakephp.org

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Eureka CORE

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Kepler Workflows

- http://www.kepler-project.org

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