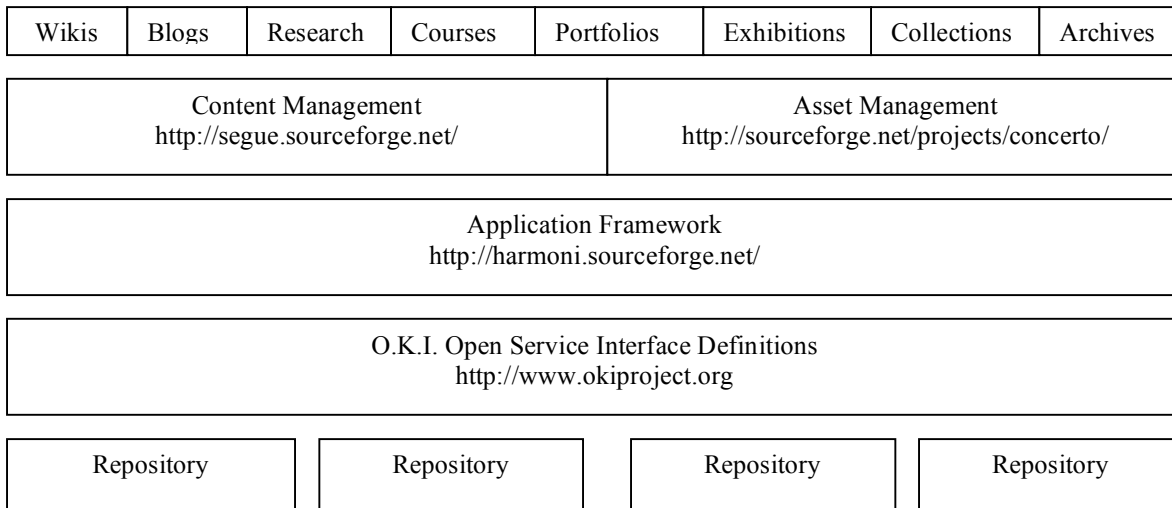O.K.I. Open Service Interface Definitions as a Native Framework API
1:00-1:45 pm, August 9, 2007

Interoperability initiatives often follow the theme of enabling applications of disparate design and implementation to exchange data and functionality via a standards-compliant external application programming interface (API). The Harmoni application framework and the curricular applications evolving out of it turns this paradigm around and makes the Open Knowledge Initiative (O.K.I.) open service interface definitions (OSIDs) the primary internal API of the system. This design allows an application's data and functionality to be accessible through the OSIDs from its inception. Even more importantly, alternate OSID implementations from third parties may be swapped for those shipped in the framework enabling applications to make use of a wide range of infrastructures.

Wikis	Blogs	Research	Courses	Portfolios	Exhibitions	Collections	Archives

Content Management http://segue.sourceforge.net/	Asset Management http://sourceforge.net/projects/concerto/

Application Framework http://harmoni.sourceforge.net/

O.K.I. Open Service Interface Definitions http://www.okiproject.org

Repository	Repository	Repository	Repository

Harmoni Application Framework

Harmoni is a service-oriented application framework designed to provide object-oriented services for the rapid development of PHP applications, specifically curricular systems. At the core of Harmoni are implementations of the Open Knowledge Initiative (O.K.I) *open service interface definitions* (OSIDs) including authentication, authorization, repository and hierarchy management. Harmoni can also function as a enterprise bus for any number of applications that need access to administrative systems or remote repositories.

Segue Collaborative Knowledge System

Segue is general purpose content management for the management of courses, as well as e-portfolios, blogs, curricular resources and research. First released as open source software in 2003, Segue has evolved to include support for podcasting, tagging, wiki-linking and versioning. As well, it has been "loosely coupled" with Moodle. Segue v2 will be built using the Harmoni application which will allow it to interoperate with our other curricular systems such as the Concerto digital asset management system.

Concerto Digital Asset Management System

Concerto is a digital asset management system built using the Harmoni application framework. It allows for the creation of digital assets with any number of metadata schemas and organizes these assets into collections and exhibitions. In addition to supporting standard metadata schemas such as Dublin Core and V.R.A., Concerto also allows its users to tag assets and will generate tag clouds for a given collection as well as across collections.