

UPEI VRE



VRE

- **V**irtual **R**esearch **E**nvironment
- Information Infrastructure supporting a collaborative research environment
- Uses standard IT foundations to support a wide range of research interests
- Discipline neutral



Roots

- Derived from
 - Web 2.0 / Library 2.0
 - eScience/Grid Computing/JISC VRE
 - Library resources/services/framework
 - Research Continuum (DLI)
 - Open Science/Access/Source

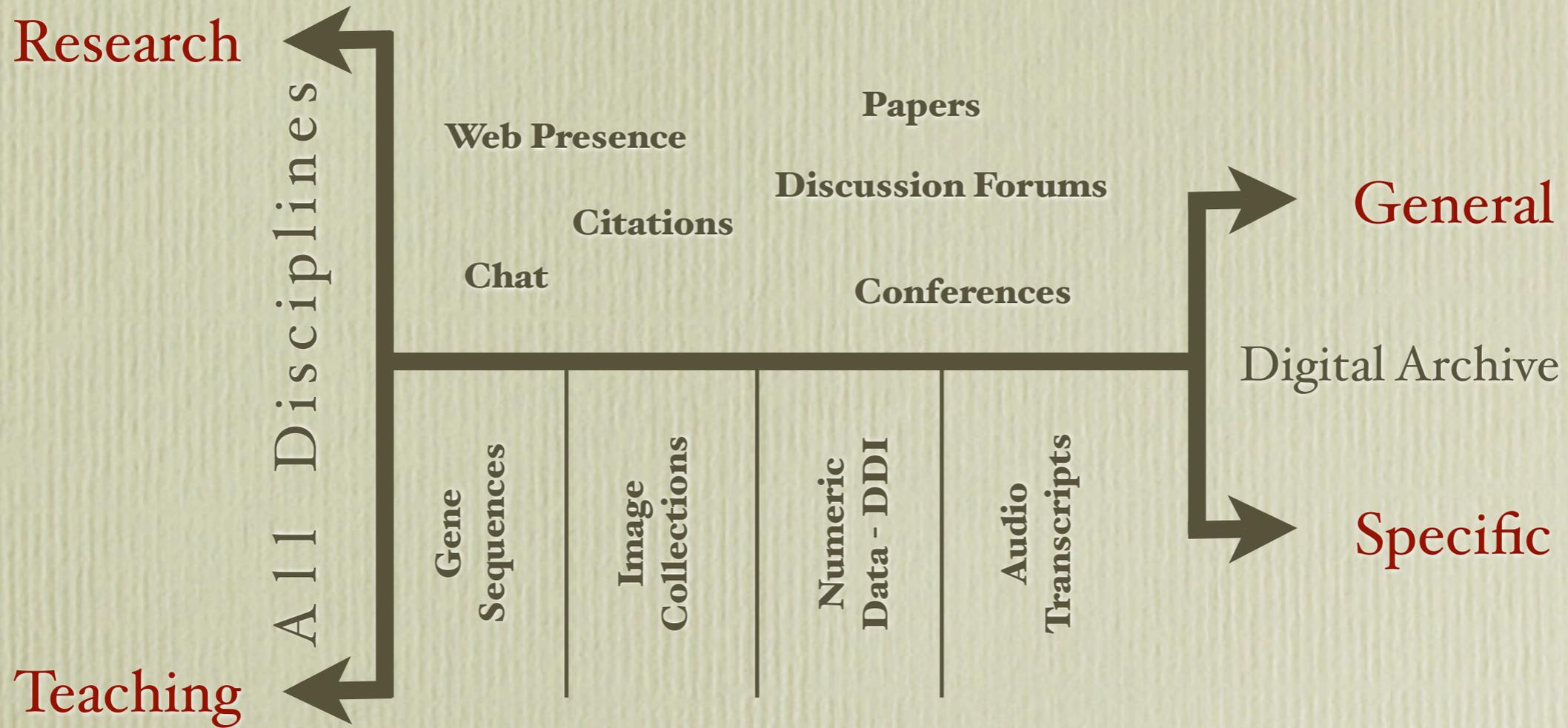


Framework

- Website::Content Management System
- Groups::Authentication & Permissions
- Information::Metadata & Standards
- Applications::Functionality & Integration
- Glue::Web Services

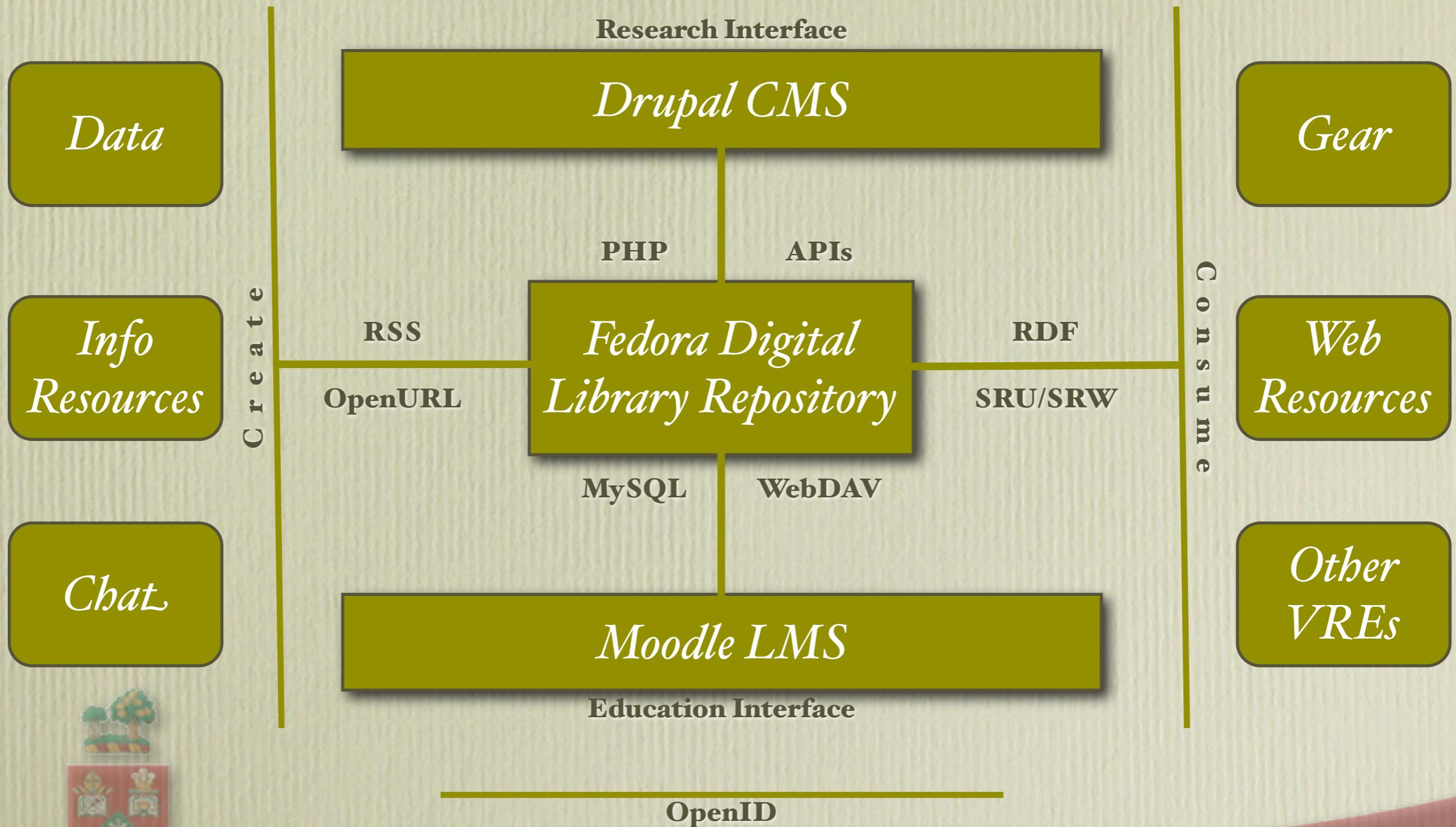


VRE Framework



VRE Architecture

Creative Commons/Open Source



Synergies

- Use same technology as UPEI/BEAT sites
- Build local staff capacity/innovation
- Integration
 - Teaching::Moodle
 - Campus identity DBs
 - Library resources and services



Functionality

- Web content management
- Communication::Private/Forums/IM/Chat
- Wiki-like collaborative editing
- Harvesting/sharing/discussing research articles
- Federated search for specific subject profiles



Opportunities

- Easy Web development/integration
- Collaboration (Local/Regional/National/Global)
- Knowledge Dissemination
- Information Stewardship
- Framework for provincial and regional document, data and research collections



Partnerships

- CMTC Project - Hardware & Requirements
- *Living Archives* - Research and Development
- MHL - #1 Canary
- Other Research Groups - Canaries, Support & Requirements



Next Steps - June

- Standard VRE on “production” server
- Process for requesting/creating/maintaining VREs (online form+)
- Training sessions (f2f and online)
- Sample Vertical applications



Next Steps - September '07

- Integration with Digital Archive system
- Institutional Repository
- Open Journal/Conference Systems
- Integration with Moodle
- Integration of Online Help



Canaries

- **MHL**::Mollusc Health Laboratory
- **VRL**::Virus Research Laboratory
- **CMTC**::Culture, Multimedia, Technology, and Cognition
- Synapse::Aquatic Ecosystem Health
- **CAHS**::Centre for Aquatic Health Sciences
- **SLC**::Second Language Codeswitching
- **IIS**::Institute of Island Studies
- **MQM**::Maritime Quality Milk
- **Moodle**::Federated Search

