

**INTERNATIONAL SEMINAR ON APPLICATION OF INFORMATION AND
COMMUNICATION TECHNOLOGY IN LIBRARY (SACITiL 2014)**

**Next Generation Integrated Library Management Systems:
Shifting Gears and Standards, and the Philosopher's Stone**

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IAEA

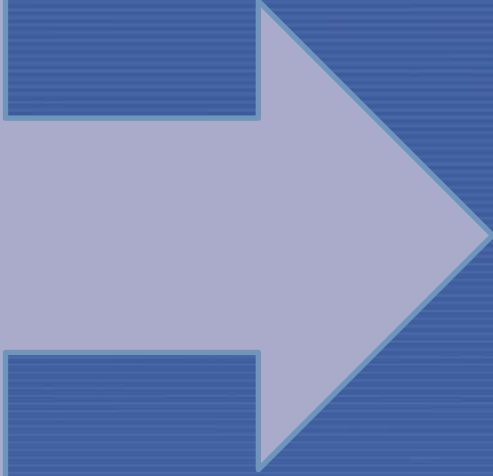
International Atomic Energy Agency

Nuclear Libraries: Raison d'être



The ILMS: Reasons for Change

- **Web 2.0**
- **Google search**
- **Online media convergence**
- **Information silos no longer suffice – open access**
- **Electronic resources**
- **Workflows change**
- **New trends in users' information behaviour**
- **Decrease of library staff**
- **Data intensive science**



**Next
Generation
Integrated
Library
Management
System**

Commercial ILMs: Reality Check

- **Electronic resource management (incl. licencing)**
 - no multiple platforms/metadata
 - services platform for both user and librarian
 - no e-Book management (additional platform)
- **Flexible metadata management**
 - from locally managed metadata to globally shared workflows
 - MARC, RDA, VRA, ONIX, SUSHI, Bibframe, OAI etc.
 - unforeseen metadata structures, ease of re-drafting existing ones?

Commercial ILMs: Reality Check (cont.)

- **Cater for changes in library workflows**
 - consolidated print, digital resources and electronic workflows, unified management of resources
 - support for the non-linear library workflow?

- **The ILM as a service (the cloud)**
 - game-changer: externally hosted
 - reconsider advertised savings
 - information security and transaction log policies

- **Discovery layer**
 - search all resources at *one go*; leap ahead
 - includes web 2.0 and HTML 5 aspects
 - informed by ODI
 - additional module, extra cost



Open Source ILMs: Reality Check

➤ Cost

- lower compared to commercial ILMs
- some hidden charges
- new companies can support implementation, maintenance and staff training

➤ Services

- similar to commercial ILMs (incl. cloud based)
- no one-size-fits-all, customizable (in-house team)
- need for thorough test runs

➤ Status

- early stage of development; however no issue of viability; support communities are now being built
- libraries can have a say on future direction
- could market fragmentation impede collaboration?



Conclusion

➤ Challenge

**No concrete body of literature about the next generation
ILMSs evaluation, maintenance and performance**

- ✓ **Customize**
- ✓ **Compromise**
- ✓ **“Save the time of the reader”**

Thank you for your attention!