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Joint ICTP-IAEA School of Nuclear Knowledge Management

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Practical Examples of IT Tools to Support Knowledge Management

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Practical examples of IT tools to support knowledge management

Part 1. Virtual Collaboration with Livelink Document Management System

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Objectives

Define the purpose of Livelink

Describe main features of Livelink DMS

 Provide examples of Livelink implementation and solutions





Do you want to

- ☑ Standardize, merge and archive information in one platform
- Version and track history of documents without redundancies
- Share information inside and across areas and/or with outside parties (if applicable)
- Perform and archive discussions and polls
- Allow defined access in a flexible way (time, permissions)



Then ... use Livelink

Web-based repository enables to

Define workspaces with

Restrictions and permissions plus

Use of other Livelink features



Types of Solutions

Complex

NE Knowledge Portal TC Projects,
Preparation of
Country Briefs for
DG Briefings

Simple

Administrative documents in NE (NE Internal Life)

Action plans, Workshop material

Knowledge Sharing

Collaboration



Solution Replication and Tailoring

The solutions can be easily replicated and tailored to your needs. We will help you find:

- What should be shared?
- Who needs access to it?
- How will users use the area?
- What documents need to be migrated?
- How do users currently find the documents?
- Who will be responsible for managing the area?



Basic steps

Analysis

Design

[Development and] Implementation



Analysis

- ✓ Identify specific business needs:
 define objective of work = results of required work
 - define user group(s)
 - define most common scenarios (requires discussions and determination of work processes and workflows)
 - define estimated size and growth of workspace including future maintenance input needed
- Match defined needs against offered features
- Identify optimal technical solution



Design

- Design folder structure
- Design access control structure
 - Who is member of what group
 - Which folder(s) are available to a group
 - What type of access is permitted to a group (read-writeadmin)
 - Record and maintain access & permission list
- Establish other Livelink features e.g. full-text search
- Add procedures and information for end-users

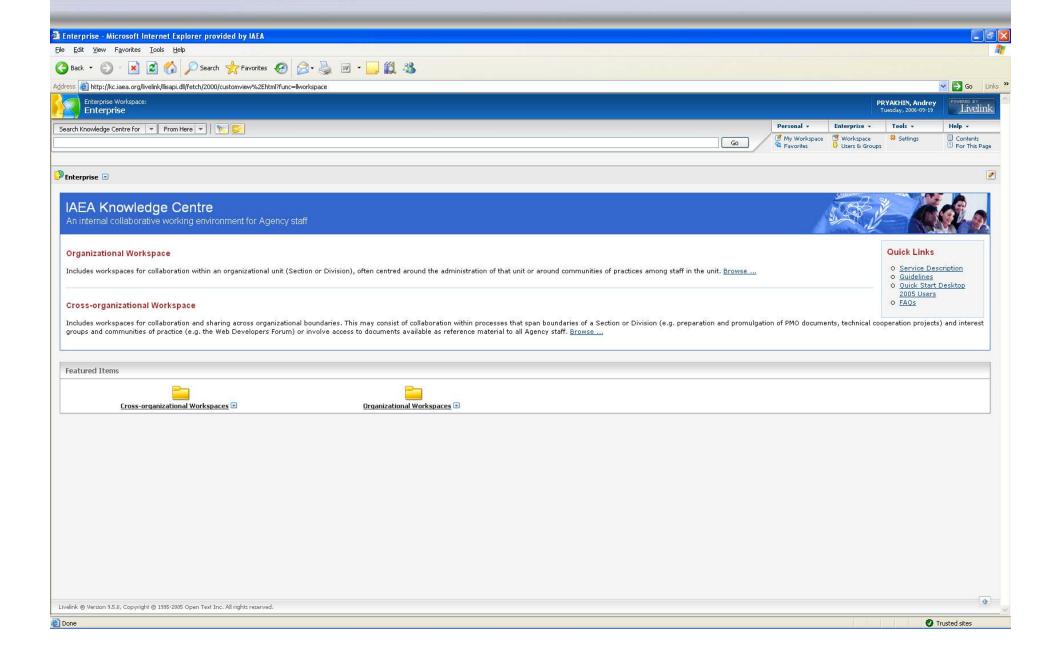


Six steps to Implementation

- Design the taxonomy and access permissions
- Create workspace and user groups in cooperation with Local Coordinator
- Train Local Coordinator(s)
- Taxonomy implementation
- Migrate the documents (if needed)
- Train Users



Livelink - first look



Livelink Features

- Interactive website available for a team
- Team members (groups; roles for projects: coordinator, member, guest)
- Standard web interface (IE) and Internet connection
- Share and manage documents
- E-mail notifications
- Communicate via discussion forums
- (real time meetings MeetingZone)
- Provide access to relevant information
- Every object (file, folder, project, etc.) has unique address (URL)



What more does Livelink offer?

- ☑ Full-text search (Metadata)
- ☑ Standardization (Metadata)
- ☑ Polls, discussion groups...
- Documents exist once and in one version only (control of workflow and versioning)
- Share information and collaboration as needed with any area/staff in-house and externally



User registration

- User-id the same as for the IAEA domain.
- Personal and contact information is synchronized with Active Directory (AD).
- Coordinator should request to include users into certain group as well as to removed from a group.
- If a user is not active in any group he/she will be removed.



Licenses

- Each user needs to have a license.
- Licenses can be reused.
- Accounts for active users have to be maintained.
- Budget must be defined (initial plus maintenance).
- Other sources should be used to fund the licenses for all others.



Training and supporting material

- Introduction (e.g., this session)
- QuickStart for Users (available in Livelink)
- Training for local administrators (by the IAEA)
- Training for developers (by the OpenText)
- OpenText website http://www.opentext.net



Support

NENP Livelink local administrator

Central Help Desk

MTIT/BSS



Application for IAEA needs

Document repository (archive) / Knowledge Base

Collaboration tool

• ?

Responsibility to maintain and update is important



Application in Programmes & Projects

- NE/NENP
 - NENP: NENP Newsletter
 - NPES:
 - Regular programme (e.g. Action plans)
 - I&C Consultancy Meeting
 - NPTDS: INPRO
- NE/INIS (Corporate Knowledge Management)
 - Country Briefs (DG)
 - Travel reports
 - NE Internal Life
- TC
 - VINCA project research reactor decommissioning TC project in Serbia
 - TC IRA Project
 - Asia and Latin America national coordinators for regional projects
 - Regional RCA electronic networking project
 - Country Programme Profile projects
 - Meetings, workshops, training courses



Experience – lessons to be learned

- Easy and fast to establish
- Useful when collaboration is long term and around documents
- Well managed and structured document repository and up-to date contact information
- Active moderator important
- Easy to learn, but still an effort; log-in, many do not like the Livelink standard interface.
- Difficulties to access the system and down/upload documents from some countries



Key issues

- "Business case", objectives and outcomes should be well defined.
- Are there teams, which have problems to manage documents or to communicate and is there commitment to work virtually?
- Savings in travel, meeting, distribution, communication costs.
- Improved team work efficiency.



Livelink is a tool

Livelink is a tool, not an objective



Livelink Servers

http://partners.iaea.org (external)

http://kc.iaea.org (MTIT, Agency-wide)

http://kcom.iaea.org (INIS/NE, NKM)



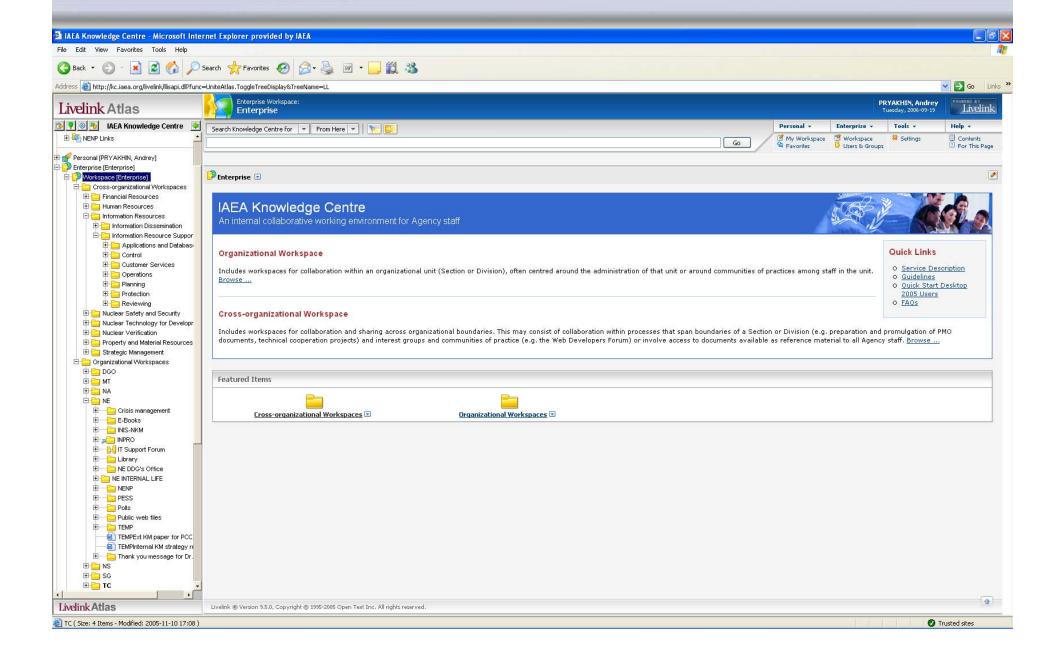
Livelink

 Livelink – http://partners.iaea.org

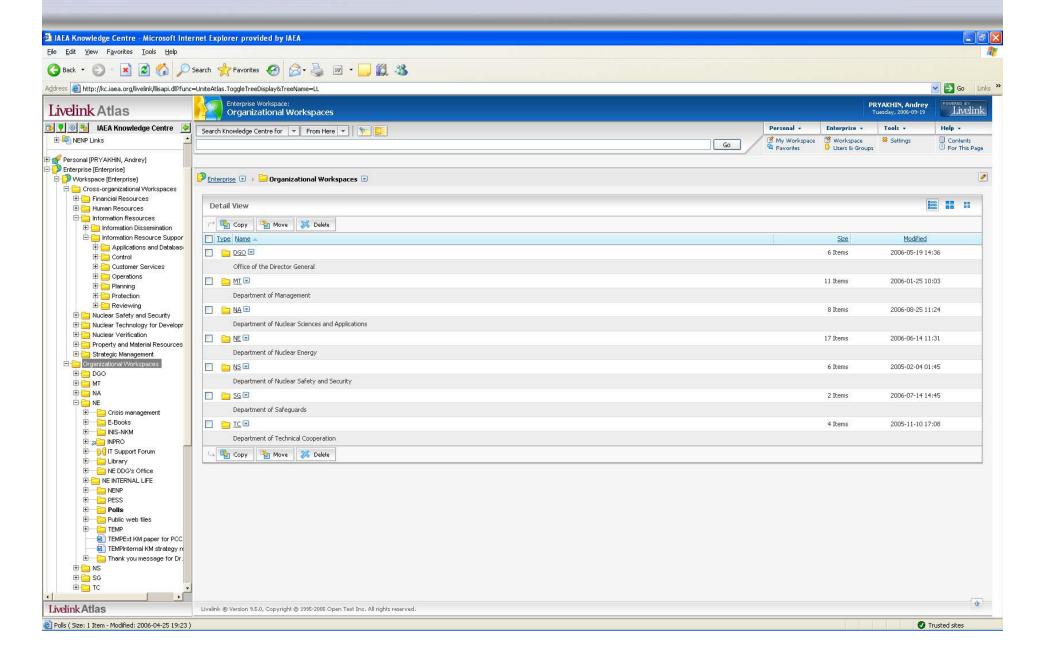
LIVE DEMO (7-10 min)



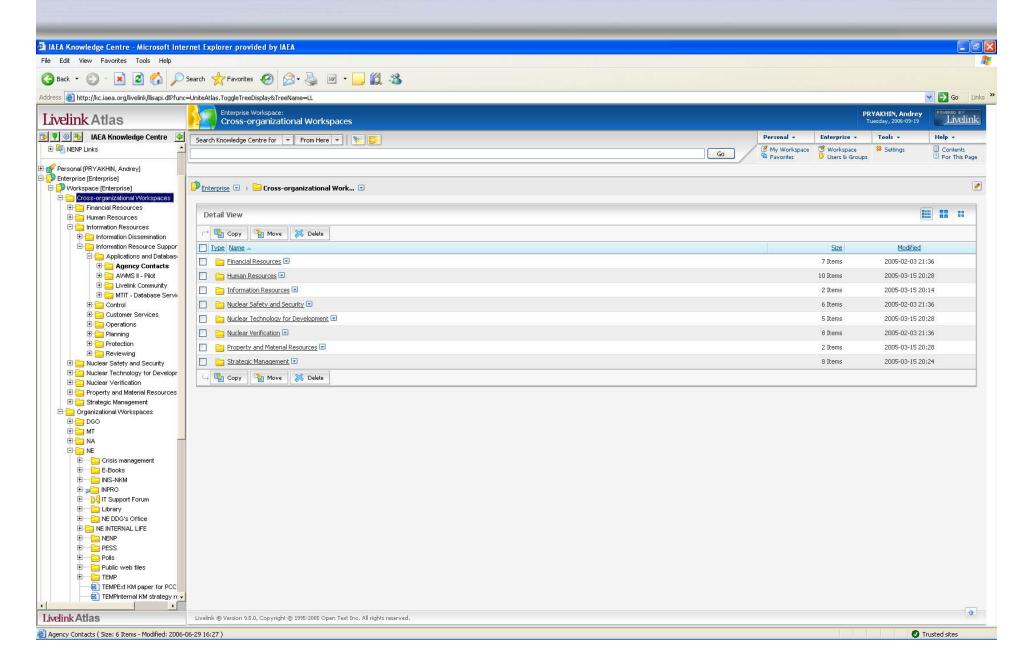
Livelink - overview



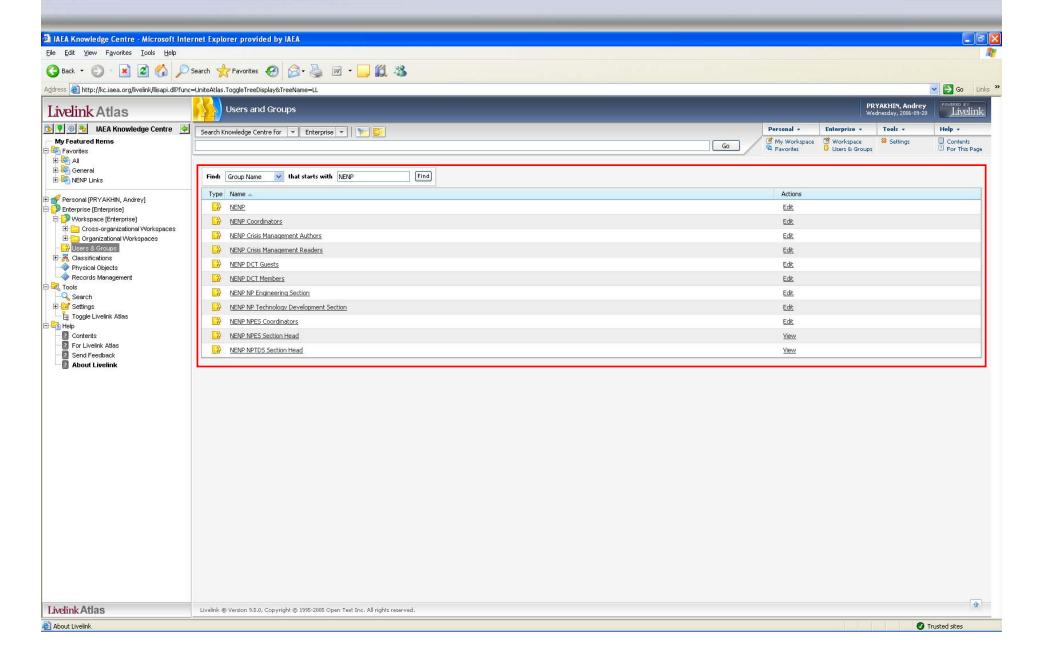
Livelink - Organizational Workspace



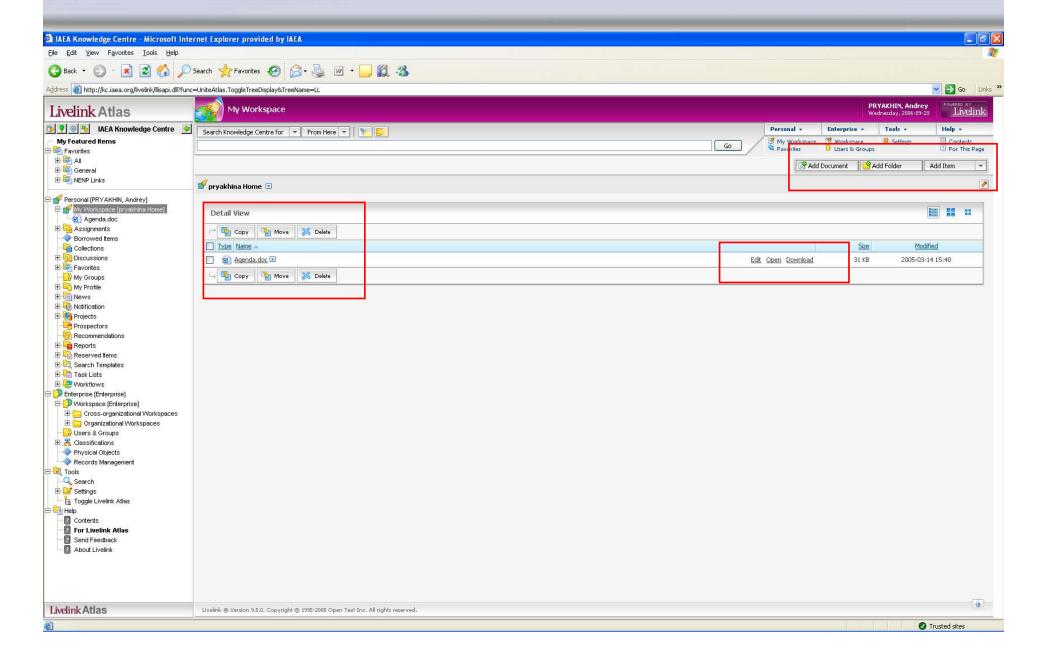
Livelink - Cross-organizational Workspace



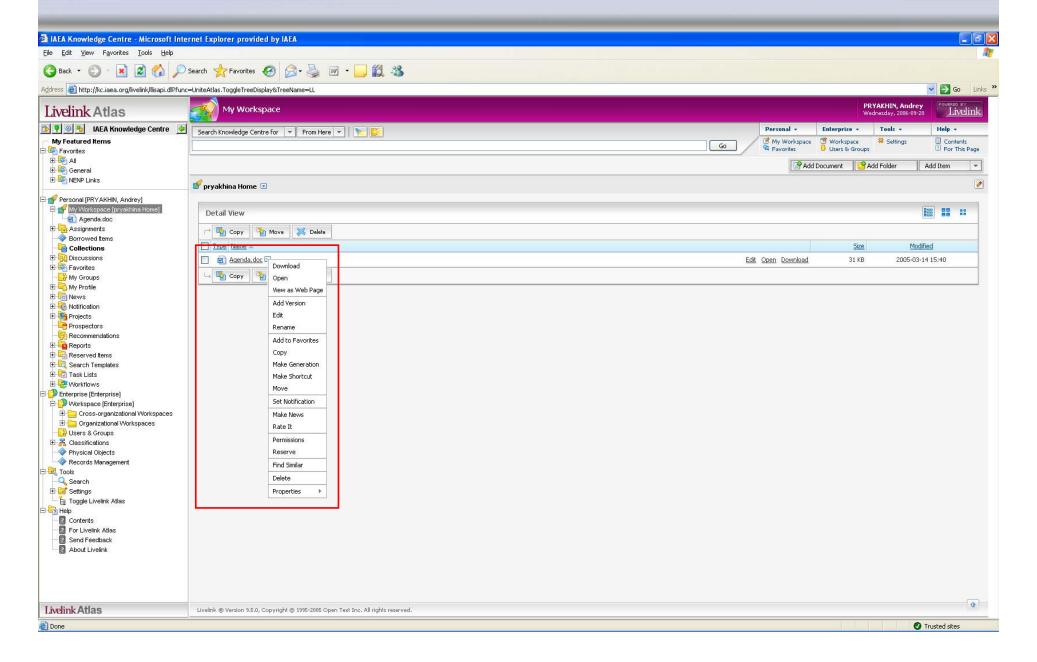
Livelink – Users and groups



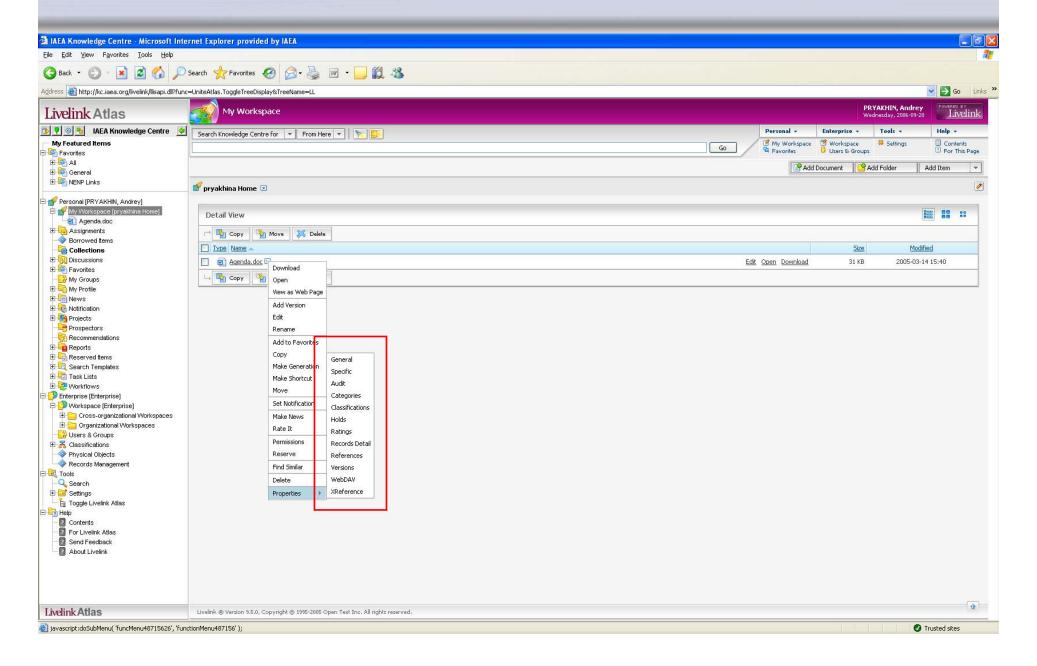
Livelink - Personal Workspace



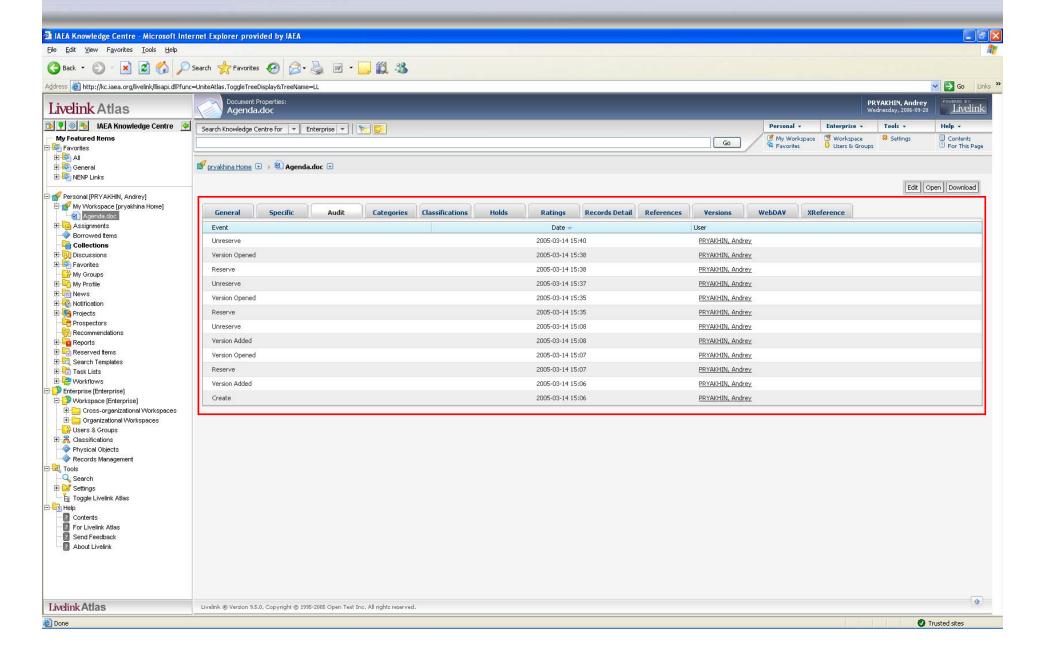
Livelink – Actions for object



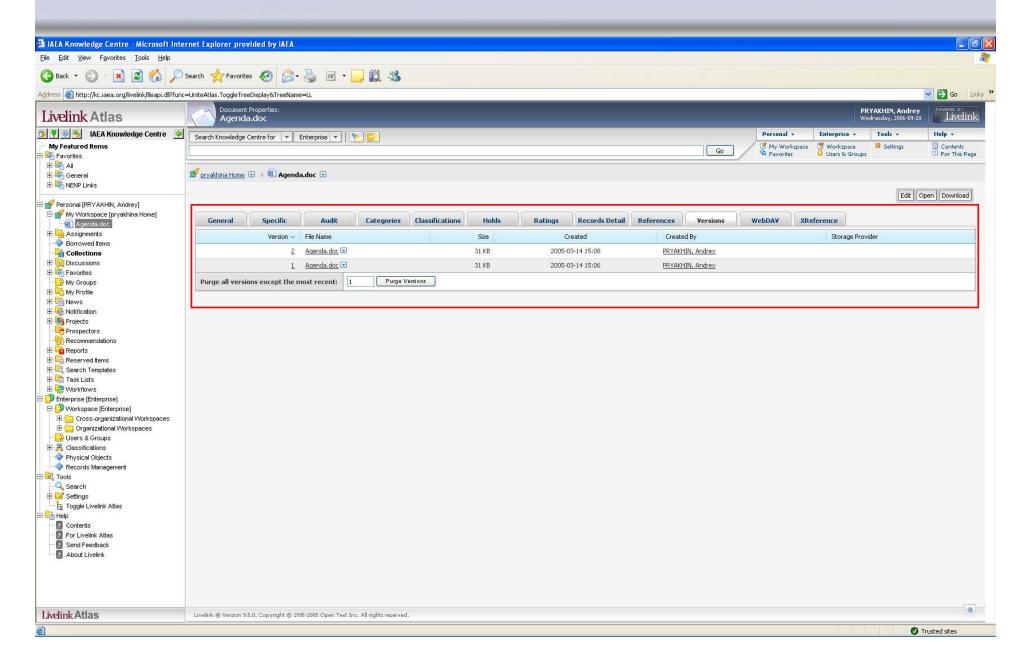
Livelink – Object properties



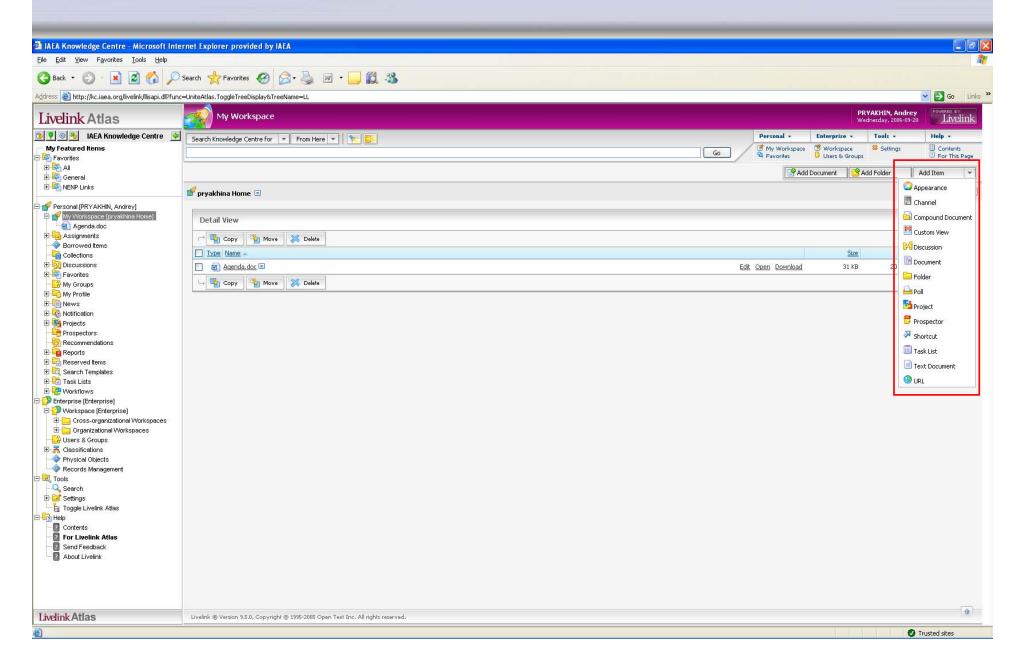
Livelink - Object audit



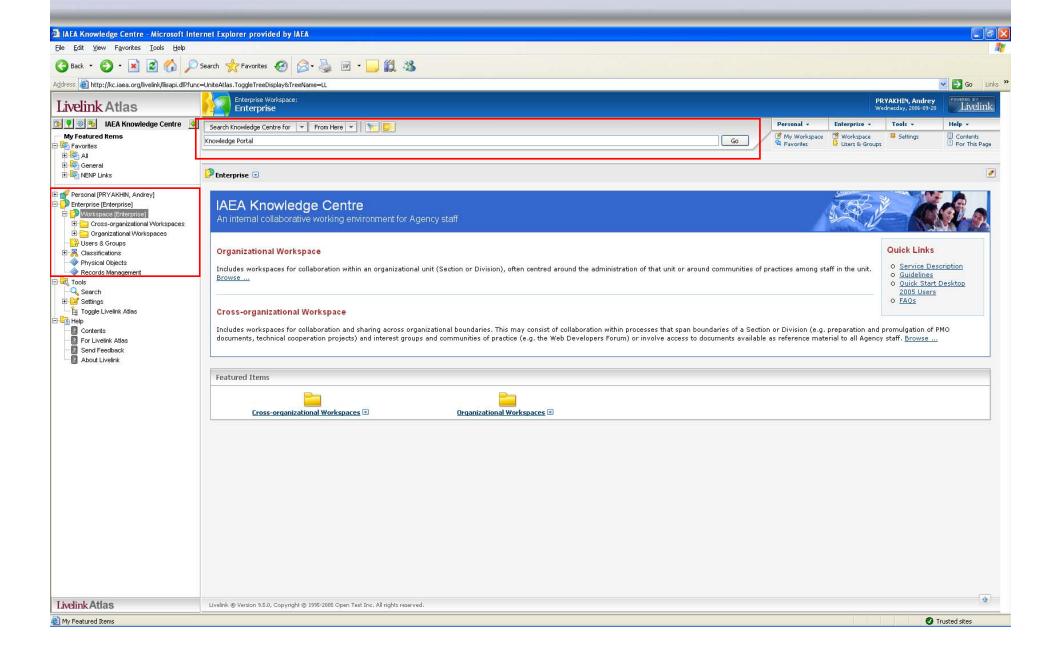
Livelink - Object version control



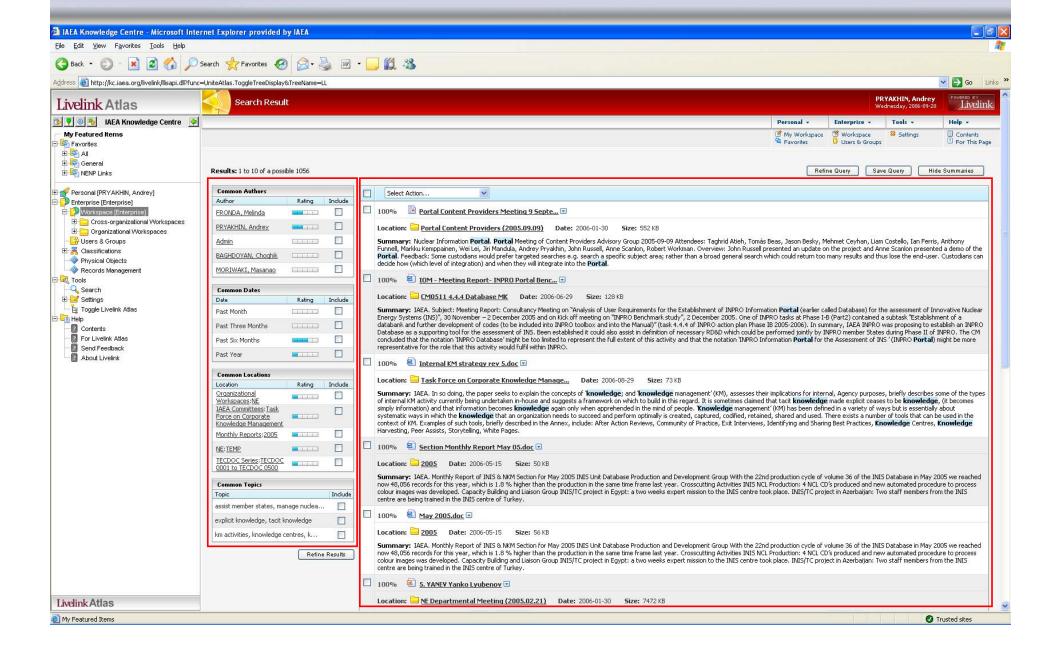
Livelink – Types of objects



Livelink - Search



Livelink - Search results



The IAEA Nuclear Knowledge Portals

Conclusions

Questions and answers

Thank you for your attention

