

Information Technologies in Middle East Projects

RAIS in Libya
Emergent Technologies
Sandia's Water Portal

Karl Horak / Second Symposium on Sandia's Middle East Programs
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RAIS in Libya

- (Nuclear) Regulatory Authority Information System
- Action Sheet under discussion as of 12/9
- Possible activities include:
 - Basic and Advanced Training
 - Analysis of Libyan regulations and legislation
 - Customization
 - Implementation



Changing IT Environment

- ❑ Web technologies becoming more mature and innovative
- ❑ Large number of COTS and Open Source applications
- ❑ More high-bandwidth accessibility within the region
- ❑ More acceptance of IT applications beyond word processing, spreadsheets, e-mail, and browsing
- ❑ More through-the-browser applications

Emerging Technologies



□ Web Conferencing

- WebEx and others

- Features

- Online presentations

- Application sharing

- Web co-browsing

- Annotation

- Text messaging

- VoIP and video support



Emerging Technologies, con't.



□ Content Management Systems

- Plone and others

- Features

- Through-the-browser maintenance of Website content
- User and group permissions/security settings
- Workflow approval of new content
- File and document sharing
- Full-text indexing and search capability
- Foreign language support

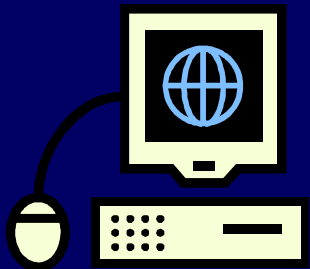


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□ Rich Internet Applications

- Ajax, Flash, Java applications, XML, Ruby on Rails, DOM, and many others
- Features
 - Installation is not required -- updating and distributing the application is an instant process
 - Users can use the application from any computer with an internet connection
 - Web-based applications are generally less prone to viral infection than running an actual executable
 - As web usage increases, computer users are becoming less willing to go to the trouble of installing new software if a browser-based alternative is available



Water Monitoring Portal

- ❑ Project in Dept. 6115
- ❑ Integrates WebEx and Plone
- ❑ Captured legacy data from previous independent water monitoring Websites
- ❑ Successfully rolled out in Sept. 2005 between CMC and CMC@Amman



