





SMR.1769-10

SCHOOL OF NUCLEAR KNOWLEDGE MANAGEMENT

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Enterprise information portals at GRS

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Centerprise Information Portals at GRS David Beraha Gesellschaft für Anlagen- und Reaktorsicherheit (GRS) mbH School of Nuclear Knowledge Management, 18 - 22 September 2006, Trieste, Italy Centerprise Information Portals at GRS KM and Portal A Portal is a central access point to all information in an organization A Portal is a central access point to all information in an organization A Portal may be regarded as a "backbone", focussing KM activities At GRS, two types of activities on Portals Portal deployment - Internal: adaptation and implementation Portal services activities - External: hosting, maintenance and exposure to world wide web users

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Portals

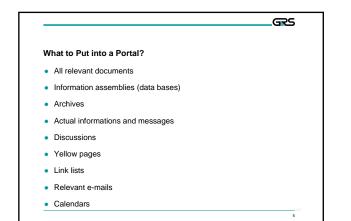
- R & D activities: Portal Development
 - GRS is developing portals for communities / institutions as listed:
 BMU (Federal Ministery for the Environment, Nature Conservation and Nuclear Safety): RS-Portal
 - SARnet (Severe Accident Research Net): SARnet-Portal
 - COVERS (Co-Ordination Action Project VVER Safety Research): COVERS-Portal
 - FGCoop (French German Cooperation): FGCoop-Portal
 - WimiP (Wissensmanagement in der Praxis): WimiP-Portal
 - Esau (Endlagerstandort- Auswahlverfahren)
 - Wastelnfo (Collection for waste related Information)

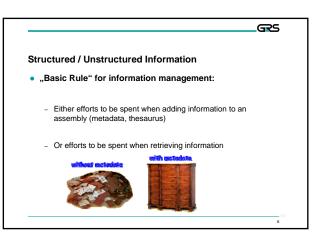
A Portal: What is it Good for

- Information to all Participants
- Search in structured / unstructured document compilations

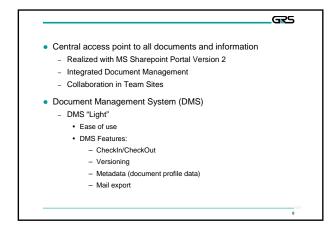
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- Simple exchange of data
- Presentation of information in particular contexts
- Archiving and distributing information
- Integration with Quality Management
- Support of the General Manager
- Contribution to maintaining competence
- Access to applications









Crawling and indexing of external sources File Shares (CD's, ...) Notes Databases Very good integration with MS Office 2003 Portal Sites: News (different sources such as existing databases, external sources ...) GRS Portal News

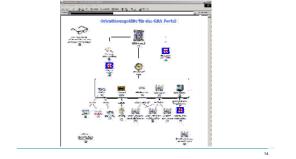
Chemes - horizontal Yellow Pages Quality Management Education and Training Organisation Handbook Information Systems GRs.Reports Photo- and Overhead Archive Support and Help (portal and non-portal content) International Activities Knowledge Management Sitemp Organisation Units – vertical Presentation of Management, Divisions





Each project has its own project team site (German or English) Project Planning with MS Project (option for each project) All project documents incl. mail electronically held Preset project metadata Default structure: Quality assured documents (allows limited access by sponsor) Work documents Particular rights to project members, project leader, controller

GRS Portal: Navigation Help Page



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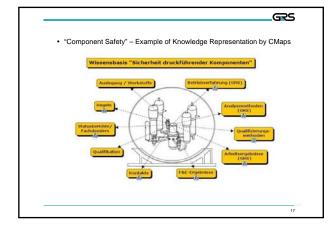
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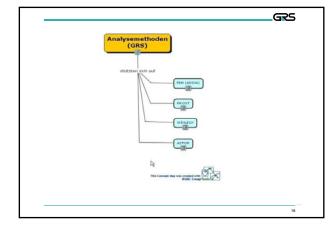
What should the portal achieve:

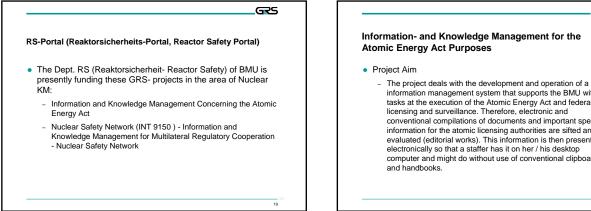
- Transition from e-mail based communication to Team communication
- Improvement of internal communication
 Information on all GRS-activities of common interest, GRS-
 - Strategies
 - Team Cooperation
- Build a Corporate Memory
- Integrate DMS (particularly w.r.t. projects) in everyday work
- Help along the notion of Knowledge Sharing

Search

- Sharepoint default had to be improved by a third party tool (Boolean, Metadata, Wildcard search)
 Search over all portal and non-portal content
- Integration of tools for knowledge representation
 - Concept Maps
 - Ontologies
- Alerts
 - For every list (document library, announcements, news ...)







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Ine project deals with the development and operation of a information management system that supports the BMU with its tasks at the execution of the Atomic Energy Act and federal licensing and surveillance. Therefore, electronic and conventional compilations of documents and important specific terms and the dealth with the dealth with the structure of the second sec information for the atomic licensing authorities are sifted and evaluated (editorial works). This information is then presented electronically so that a staffer has it on her / his desktop computer and might do without use of conventional clipboards

Information- and Knowledge Management for Multilateral Regulatory Cooperation

Project Aim

 To make accessible a multitude of already existing international documents, data bases and information by a shared platform as well as to use a tool for cooperative electronic provision of documents and programs to be developed is an important step towards the simplification of international cooperation. The management of national information for the German licensing authorities is subject of a separate project.

Information and Knowledge Management Concerning the Atomic Energy Act

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- Within this project, GRS is setting up the "RS Portal". In a first step, the portal services the Unit RS I 5 "Multilateral Regulatory Cooperation" of the German BMU.
- Then, the superior Dept. RS (Reactor Safety) of the BMU will be serviced.
- The use of the portal is safely restricted to BMU staff only.

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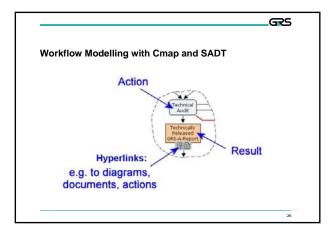
RS Portal

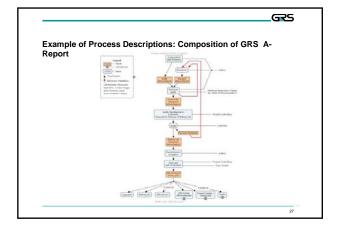
- RS Portal:
 - Workbench for the RS- staff
 - Single access point to information ressources (document compilations, data bases, information collections, knowledge representations)
 Concept Maps, Mind Maps, Lotus Notes databases
- Work on the portal comprises
 - Technical Support, such as installation, maintanace, integration into intranet
 - Content work, such as structuring due to the needs of customer, content investigation and collection

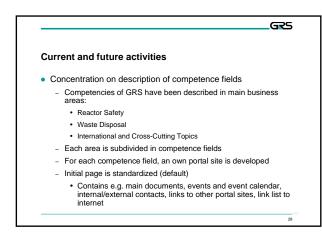
RS Portal: Main structure

- Presently, there are 12 main navigation topics in the portal:
 - Homepage (entry point)
 - Rules and regulations
 National institutions
 - International institutions
 - In house planning
 - Running projects
 - Supervision
 - Department file system
 - Knowledge
 - Quality management
 - hints
 Site map









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- Introducing Wikis (experimental phase)
 - High potential of Wikis for knowledge management (literatur, first successful deployments)
 - Follows the Wikipedia concept: Easy introduction of contents, editable by others, highly dynamical