Establishing a research information system as part of an integrated approach to information management

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Outline

- Karlsruhe Institute of Technology (KIT)
- Karlsruhe integrated Information Management (KIM)
- CRIS and Repositories
- KIM-FIS - CRIS@KIT
KIT – Some facts

Campus North

Campus South

10 km, 15 min

Helmholtz Mission

University Mission

- 12 Programs
- 27 Institutes
- 3,864 Employees
- 355 Mio. € Budget

- 11 Faculties
- 130 Institutes
- 5,133 Employees
- 20,700 Students
- 320 Mio. € Budget

2243 doctoral students

- Thematic overlap
- Excellent synergy
The way to KIT

Decision of the Excellence Initiative:
October 13, 2006

Submission of the KIT concept
May 31, 2007

KIT Foundation
February 22, 2008

Corner stone paper
November 21, 2006

Signature of the KIT contract
December 13, 2007

KIT Law
July 24, 2009

One legal entity
October 1, 2009
KIT – One legal entity, two missions, three tasks

- Helmholtz Centre
- University
  - Research
  - Education
  - Innovation
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KIM - Integrated Information Management at KIT

Diagram showing the structure of KIT with various departments and their connections, including:
- Senat
- IV-A
- Präsidium / CIO
- (K)IT-EK
- Zentrale Dienstleister (MICK)
- KNN
- ASDUR
- DST
- Institut mit ITB
- OE mit ITB
- Nutzer
KIM - Integrated Information Management at KIT

- Campus Management System: KIM-CM / CAS Campus
- E-Learning System: KIM-eL
- Identity Management System: KIM-IDM
- Enterprise Ressource Planning: KIM-BIT / SAP
- Current Research Information System: KIM-FIS / CONVERIS
- Multifunctional SmartCard: KITCard
- Customer Relationship Management: KIM-CRM

- Studying & Teaching
- Research & Innovation
- Personnel & Finance
- Other Services

= completed Project
= current Project
= intended Project
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CRIS and OAR

- Support the entire life cycle of the research process
- Support strategic research planning
- Support the development of an e-science infrastructure
- Rich and contextual information network
- Integration and interoperability
Trends in Integration and Interoperability

- Developing repository into CRIS
- Repositories and CRIS as linked systems
- Developing CRIS into repository
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Initial Situation

- Two publication databases (135,000 records)
- Two repositories (9000 records)
- Two project databases
- Two “cultures“ of research management and reporting

- 8000 staff
- 650 Mio. € turnover

- Multi-facetted Open Access strategy (policy, publication fund, institutional publishing house KIT Scientific Publishing)
March 2010: Executive board of KIT initiates the project to build a CRIS

July 2010: In a tendering process KIT decides to choose CONVERIS (by AVEDAS AG) as a software platform

Agile development and long term development of the product in a strategic partnership of KIT and AVEDAS

December 2010: First demonstrator presented to stakeholder groups
KIM-FIS: Think Big in Small Steps

- Projects
- Publications
- Innovation / Patents
- Study & Teaching

KIM-FIS – back-end for reporting and evaluation at KIT
KIM-FIS: KIT Partners

- **Project management:**
  - Office of the Chief Information Officer (CIO)
  - President’s Office (PST)

- **Partners:**
  - KIT-Library (BIB)
  - Department of Research (FOR)

- **Associate partners:**
  - Steinbuch Center for Computing (SCC)
  - Innovation Department (IMA)
  - Department of Organization Development (ORBIT)
  - Public Relations and Marketing Department (PKM)
Comprehensive view on research information

Managing the research portfolio across system boundaries
KIM-FIS / CONVERIS: Repository Development

- Standardization (DINI Certificate)
- Interfaces
  - OAI-PMH
  - OpenAIRE
  - SWORD
- Usage statistics → OA Statistics, PIRUS (Counter)
- Long term archive formats (PDF/A)
- Persistent indentifiers (DOI, URN)
- Integration into library workflows
- Roles and rights management
PREVention, Information and Early Warning pre-operational services to support the management of risks (PREVIEW)

Beschreibung
PREVIEW proposes to develop, at the European scale, new or enhanced information for risk management in support of Civil Protection Units and local or regional authorities making the best use of the most advanced research and technology outcomes in Early Observation. Services will be validated under pre-operational conditions. The risks from the direct impact of atmospheric events, from their hydrometeorological consequences, geophysical events and in some cases be worsened or directly caused by industrial activities. The challenging issue is to enhance risk mitigation through better provision, better and more accurate assessment at various time and spatial scales of situations at risk and improved timely dissemination of meaningful and adapted early warning information to the public needs and the operations of rescue forces. This has to be done in a bottom-up approach and aims to develop risk awareness and culture. The main idea of a through PREVIEW is improvement of the services contents, quality and harmonized information services supporting the decision making at the operational level, improving information collection, aggregation and intelligence methodologies, developing some cooperative work and inter-operability capacities among operators for a widespread application of the best solutions at national, regional, and European scale.
Internationalisation of information services for publishers’ open access policies: the DINI multilingual integration layer

Scholze Frank

Zusammenfassung

It is essential for the strategy of open access self-archiving that scientific authors are given comprehensive information on publisher copyright policies. DINI, the German Initiative for Networked Information, has developed a German (and potentially multilingual) interface to the English SHERPA/RoMEO service to provide additional information on German publishers’ open access policies. As a next step, this interface was enhanced to an integration layer combining different sources on publisher copyright policies. This integration layer can be used in many different contexts. Together with the SHERPA/RoMEO team, DINI aims to build an integrative support structure for open access information.

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Information

- http://www.kit.edu/eeb/cio/index.php
- http://www.avedas.com
- 1st and 2nd Workshop on CRIS, CERIF and Institutional Repositories. May 2010 / 2011, Rome, Italy.
  http://www.irpps.cnr.it/it/eventi/workshop-on-cris-cerif-and-institutional-repositories
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