Integrated communication- and service-infrastructure for libraries

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How it all began – approach (1)

MEDIATUM
Digital Collection Management

http://mediatum.sourceforge.net/

• Fast
• Modular
• Format independent
• Standard interfaces (OAI, LDAP, Z39.50)
• User oriented

• University bibliography
• Corporate Communications Center archives
• 275 chairs
• 7,121 electronic dissertations
• 262,222 data sets (metadata, text, image, audio, video)

Implementation of features according to customers‘ requirements

bottom up approach
approach (2)

1. research data management audit: structured interviews
2. extraction of interdisciplinary aspects
3. aggregation of requirements to create an ideal research life cycle

stage 1: identification of research topics / review of status quo
stage 2: preparation of a research agenda and acquisition of resources
stage 3: data capture and data evaluation
stage 4: publication of scientific achievements and research data / knowledge transfer
approach (3)

4. creation of a layered software and service architecture to support the research life cycle
Workshops

**TUM eRIC Workshop**
24.-25. June 2013

36 participants from TUM institutions, faculties and chairs

**CPUT eRIC Workshop**
24.-25. March 2014

35 participants from CPUT institutions, faculties and chairs
summary of eRIC working packages (1)

• A: Communication
  – Communication between researchers and library/university
  – Communication within the eRIC infrastructure
  – Communication within a research team

  workflow for initial contact
  expert counseling
  quality management
  establishment of the communication flow
  consulting model
  communication structure
  marketing strategy
  hosting concepts
  communication tools
  researcher profile
summary of eRIC working packages (2)

• **B: Development of a layered software architecture**
  - Stage 1: Finding a topic and reviewing library stock
  - Stage 2: Development of a research plan and acquisition of resources
  - Stage 3: Data collection and analysis
  - Stage 4: Publication of research results and data and knowledge transfer

- resource planning
- metadata creation
- budget planning
- surveys
- scheduling
- analysing data
- project profiles
- plan projects
- electronic project journal
- organisng ideas
- version control
- reference management
- administration and user authentication
- data filtering
- analysing data
- manual/automated/mobile data collection
- collaborative publication planning
- electronic project journal
- project profiles
- print-on-demand service
TUM eRIC Stakeholders

global eRIC Steering Committee
(eRIC GSC)

local TUM eRIC Steering Group
(TUM-eRIC-LSG)

TUM mediaTUM Steering Group
(TUM-mediaTUM-SG)

TUM Department for Information Services
(TUM-DIS)

TUM Department of IT & Technical Services
(TUM-DITS)

TUM eRIC Coordination Office
(TUM-eRIC-CO)

eRIC Task Forces
(eRIC-WG)
eRIC Advisory Groups
(eRIC-IG)

TUM mediaTUM Software Developer
(TUM-mediaTUM-SD)

TUM mediaTUM User Support Team
(TUM-mediaTUM-US)

TUM Project Consultants - tandem -
(TUM-PC)

TUM Subject Librarians Team
(TUM-SLT)

TUM Quality Management Office
(TUM-QM)

TUM Public Relations Division
(TUM-PR)

Customers/ Clients: TUM researchers, research groups, faculties, administration staff, central institutions
eRIC Partners communication
Current eRIC Task Forces

Main objective: preparation of specifications for subsequent internal or external implementation

Task Force 1: communication tools and tools for organising ideas
Task Force 2: reference management and visualisation of data
Task Force 3: development of an electronic project journal environment
Task Force 4: search functionalities, semantic methods, and search engine optimisation
Task Force 5: Creation of data management plans
Task Force 6: Methods and workflows for visualising 3D-objeects
eRIC Interest Groups

*Advisory group results are meant for eRIC steering committee consultation*

Advisory Group 1: long term preservation and data curation

Advisory Group 2: skills for eResearch consultation services in libraries

Advisory Group 3: legal aspects of data management and eResearch

Advisory Group 4: review of existing eResearch initiatives

Advisory Group 5: marketing
35th IATUL Conference: 02 – 05 June 2014
“Measures for Success: Library Resources and Effectiveness under Scrutiny”

Thank you for your attention!

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Coming soon: more information on the eRIC website!
Visit: eric-project.org