Workflow Management in the Light of Emerging Collaborative Applications

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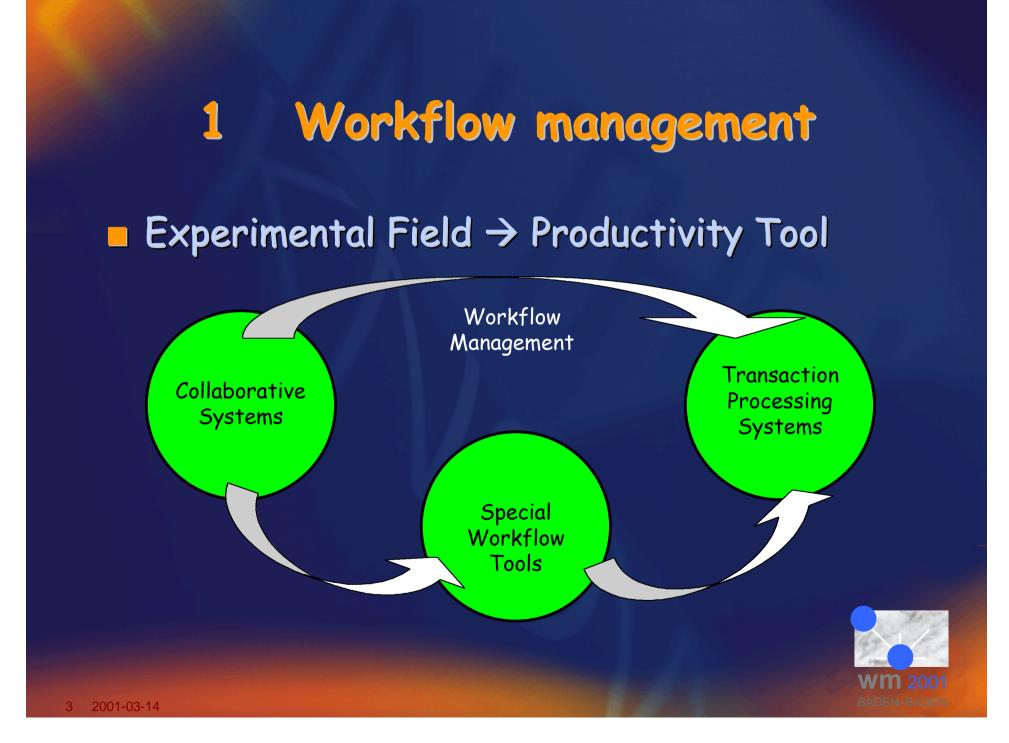


1 Workflow Management

2 Advanced Collaborative Applications

- Knowledge Management
- Shared Workspaces
- Distance Learning
- Synchronous Solutions
- **3** Workflow Functionality in Knowledge Management
- 4 Enhancing Workflows by Knowledge Management





Evolution and state of the art

Use computer networks for business processes involving multiple persons
Traditionally:

Logic of collaboration in application code
Used only for processes executed very often

State of the art:

Workflow management system as middleware or
as part of ERP-System

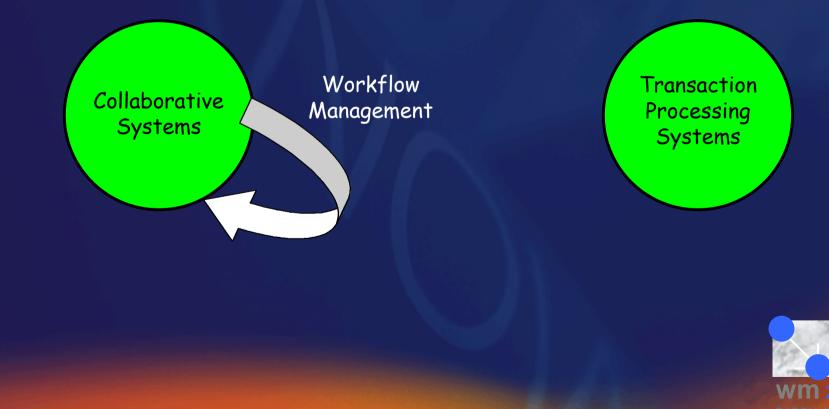


Workflow Continuum

Collaborative	Processes	Semi-structured	Processes	Structured	Processes	
Ad hoc Workflow	Team Room QuickPlace	Integrated Team Activity	Chained Activity	Ad hoc Exceptions	Standard Workflow	
Knowledge Work <						
					W/ID 2001	

WHI 2001

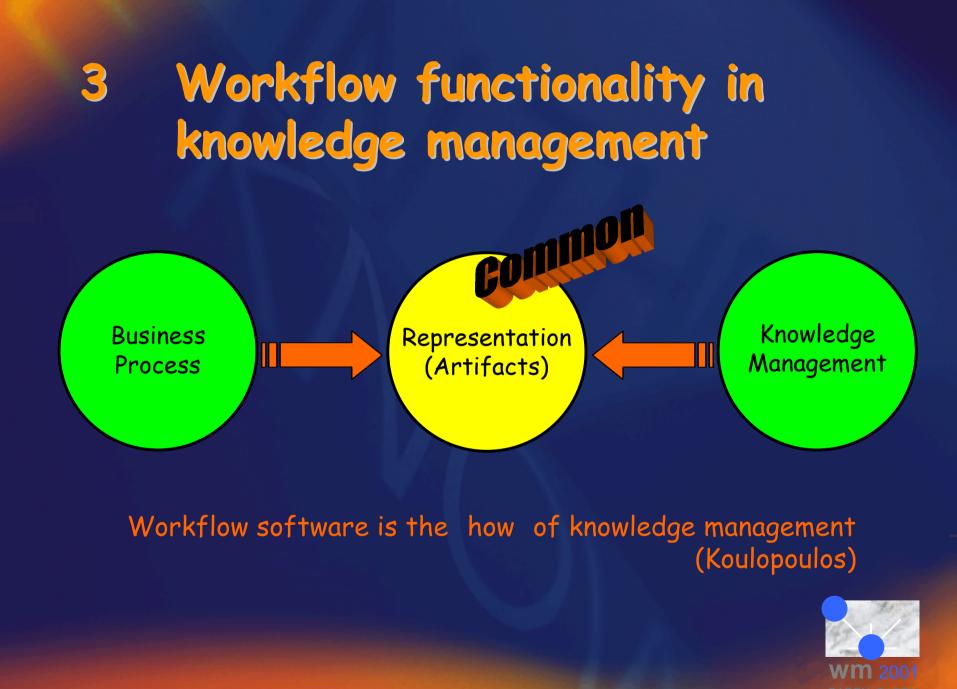
Workflow functionality for new collaborative applications



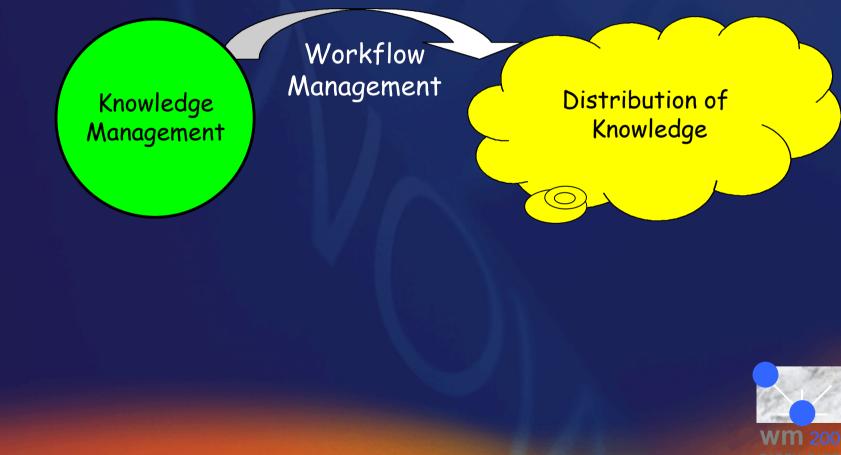
2 Workflow management and other collaborative applications

Workflow functionality for new collaborative applications
Here: focus on knowledge management
For other applications like shared workspaces, distance learning and synchronous solutions see the paper

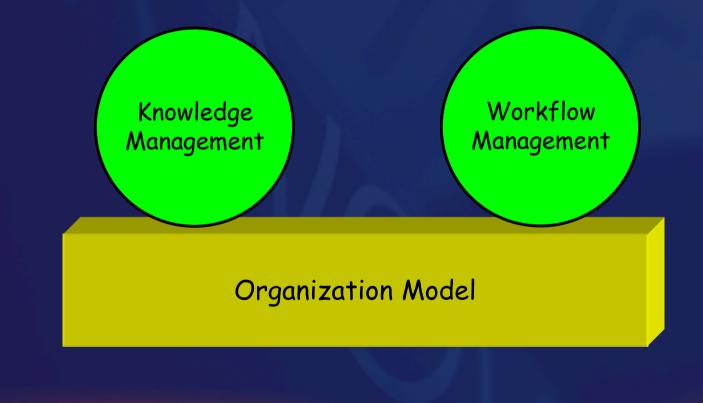




Workflow functionality in knowledge management



Workflow functionality in knowledge management





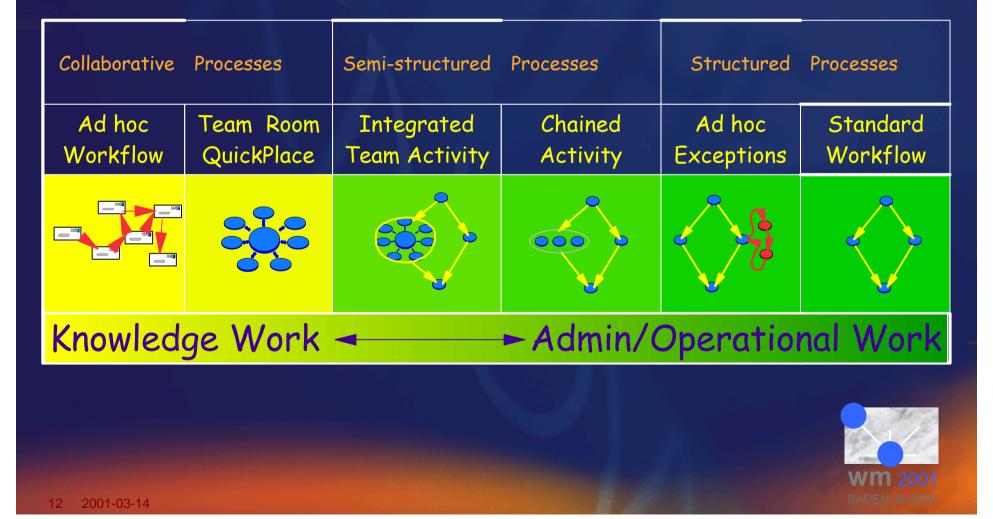
Knowledge work vs. Process automation

- Variety and uncertainty in inputs & outputs
- Unstructured and individualized work rules and routines
- Lack of separation among process, inputs & outputs
- Lack of measures
 - Worker autonomy
 - Variability in performance across individuals and time

- Predetermined inputs & outputs
- Well-structured and common work rules and routines
- Distinction between process, inputs & outputs
- Measures available
- Predetermined work assignment
- Convergence of performance across individuals and time



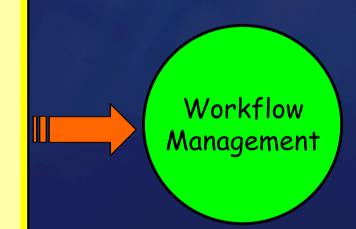
4 Enhancing Workflows by Knowledge Management



Enhancing Workflows by Knowledge Management

Knowledge Management

- Quality management process to ameliorate knowledge augmentation
- Initiators, participants, recipients of workflow
- Organization structure
- Relative to expertise profiles
- Capture business procedures & best practices





Conclusion: Building Organizational Effectiveness

Xity	Beyond the Enterprise	Communicate with outside stakeholders	knowledge ex- change among external groups	Integrate external stakeholders with your processes			
Complex	Across the Enterprise	Encourage enterprise-wide communication	Knowledge exchange among internal groups	Enterprise process innovation			
lizational	Within a Work Group	Efficient work group communication	Kn. wledge exchang, within work groups	Work group process etticiencies			
Orgar		Information Flows (Inform and Inquire)	Knowledge Flows (Discover and Decide)	Work Flows (Conduct and Control)			
		Work Complexity					

My Apologies

Im sorry, there was no time for the other collaborative applications:

Shared workspaces
Distance learning
Synchronous solutions

