Corporate Wikis Results of a Survey Ann Majchrzak, Christian Wagner, Dave Yates WikiSym 2006 – Odense, Denmark August 21-23, 2006

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Background

- Wikis are "hot" as business technology for knowledge management.
 - Business media (e.g., Business Week)
 - Gartner Group
- Large proportion of CIOs not convinced.
 - Benefits (ROI, value, whose benefits)
 - Feasibility (technology, legal, organizational)
 - Obstacles (will wikis work)

Quote

"Wikis will become mainstream collaboration tools in at least 50% of companies by 2009."

--- Gartner Group, June 2005

Larger Research Project

- In-depth cases of corporate use (interviews).
- Interviews with wiki experts / thought leaders.
- Technology survey.
- Consultation of a legal experts on wikis and intellectual property management.
- Survey of 168 corporate users.

Survey Process and Respondents

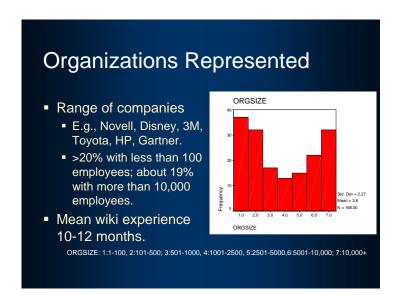
Wiki Survey Process



- Collected data in Fall 2005.
- Sought breadth of companies and wiki uses.
- Advertised on 10 different listservers and asked leading wiki corporate users.

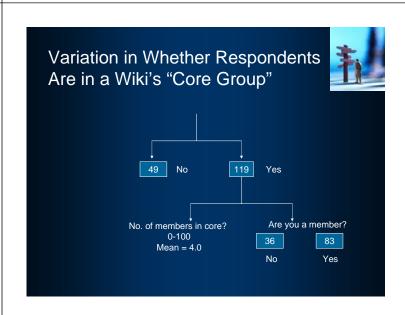
168 Respondents				
 Months contributing to this wiki 	Mean 15.2	Median 11	Range 1-72	
No. contributors worked with in past	4.8 ("half")	1(none) - 7(all)	
 Months contributing to wikis in general 	26	24	1-96	
 No. of different wikis regularly read 	3.4	3.0	1-20	
 No. of corporate wikis contributed to 	1.5	1.0	1-10	

Technologies Used Technology Responses Twiki 51 Mediawiki 33 Don't Know 22 Socialtext 6 **PmWiki** 6 Confluence 4 All Others 46



Variety of Work Activities for Wikis

- Range of task types
 - Software development,
 - E-learning,
 - Knowledge management,
 - Project management,
 - Information sharing,
 - Consulting,
 - CRM,
 - R&D.
- "Almost everything relating to R&D is tracked through the wiki".
- "We have opened up our wiki to selected customers".

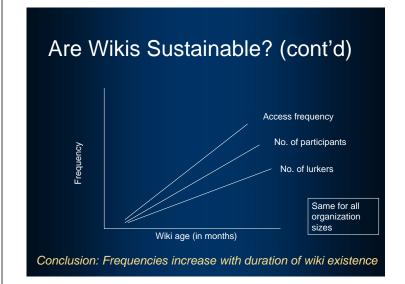


Research Questions

- Are wikis sustainable?
- Do wikis create different forms of benefits?
- What affects benefits received?
- Are there different types of contributors?
- Are different types of contributors encouraged to contribute by different factors?
- How to overcome barriers to adoption?



Are Wikis Sustainable? Mean Median Range How long in existence? (months) 10-12 3-36 How large (readership)? 167 37 3-7550 How active (contributors)? 37 12 2-700 1(never) -7(always) How active (frequency of 5.8 ("frequently") access)? .01-1.00 Ratio of contributors to total .40* .33 number of lurkers plus contributors? Conclusion: YES. Wikis have existed for a while and are active. * 4-out-of-10 contribute, a much higher contributor rate than 1:100 for public wikis, or 1:1000 for Wikipedia

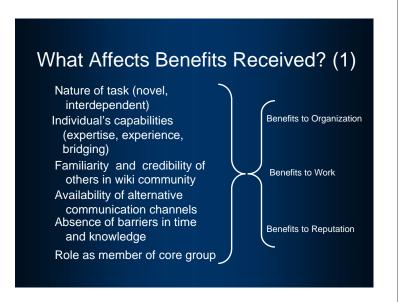


Does Access from Portal Affect Sustainability? **No Access Portal Access** (n=62)(n=105)No. of lurkers 48 175 Frequency of often frequently access No. of participants 32 39 Conclusion: Tying to portal affects access and lurkers, not participants

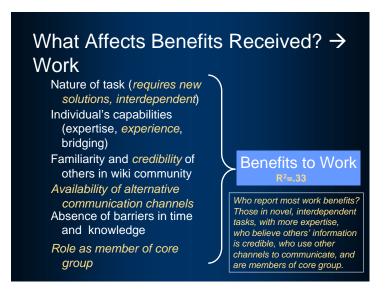
Analysis: Do Wikis Create Different Forms of Benefits?

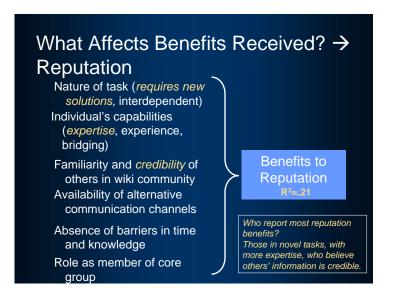
Perceived Wiki Benefits To What Extent (or how often) Has Using this Wiki Yielded the Following Benefits?				
% "often" or	% "often" or "significant"			
 Helped Organization 	o.gvan.			
 Improve organization work processes 	49			
 Increase organization collaboration efficiency 	63			
 Increase knowledge reuse in organization 	69			
 Identify new business opportunities 	11			
Made Work Easier				
 Information on wiki relevant to work 	81			
 Updated wiki information made work easier 	75			
 information dissemination on wiki made work easier 	71			
Enhanced Reputation				
 Enhanced Reputation Earn respect of others 	29			
 Improve professional status 	23			
 Improve professional states Improve reputation in company 	28			
Conclusion: Range of benefits from wikis				

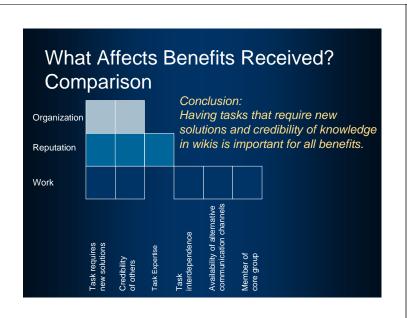


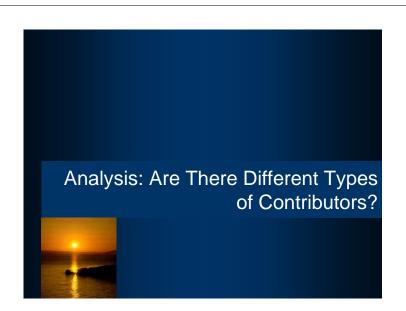


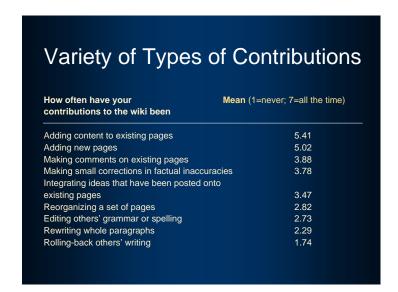


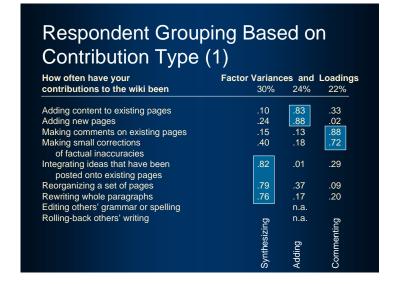


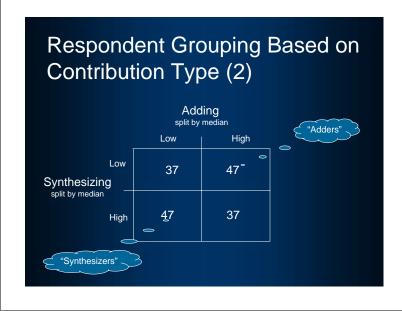












Analysis: Different Motivational Factors for Different Contributors?

What Affects Contribution Frequency for Each Type? (1)

Nature of task (require new solutions, interdependence)
Individual capabilities (expertise, experience, bridging)

Familiarity and credibility of others in wiki community

Availability of alternative communication channels
Absence of barriers in time and knowledge

Role as member of core group

Types of benefits received Frequency of site being accessed Frequency of contribution (Synthesizers and Adders)

What Affects Contribution Frequency for Each Type? (2)

Synthesizers R²=.53 Adders R²=.40

"Want Impact"

"Utilitarians"

- Worth to organization
- Task require new solutions
- Helps my reputationBeing
- Site accessed frequently

impact vs. utility.

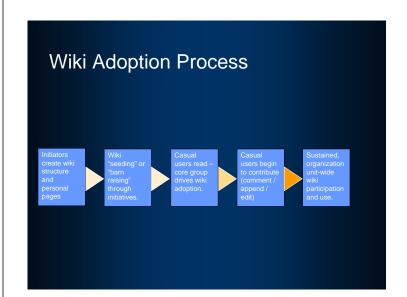
Worth to organizationHaving time

Helps my workBeing member of core

Conclusion: Different motivators for different groups:

group

Analysis: How to Overcome Barriers to Adoption?



Overcoming Hurdles (Based on Respondent Comments)

- Getting People to the Wiki
 - Mantra: "it's on the wiki"; "please do this on the wiki".
 - "Advertise for new users through viral marketing".
- Maintaining the Wiki
 - "Keep wikis simple".
 - "Have a "procedure (or "gardener") for keeping content up to date".
- How to Use Wiki
 - Not "support tool" but "integrated program resource".
 - "Good search tools is key".
 - Diffuse wiki way, not just technology: linking ideas, open/public edit, reward collaboration, nudge for "small" contributions. Start with editing simple pages first.
 - Don't make wiki do everything; still need DMS, portal, blogs, discussion forums.
- Strong differences of opinion in amount of structure to impose as a way of overcoming hurdle.

Summary of Analysis Findings

Questions Asked and Answered

- Are wikis sustainable? Yes. They are persistent, sizeable, active.
- Do wikis create different forms of benefits? Yes. They make work easier, enhance reputation, and help organization.
- What affects benefits received? Expertise, credibility in knowledge, and work requires new solutions.
- Are there different types of contributors? Yes. Adders and Synthesizers.
- Are different types of contributors encouraged to contribute by different factors? Yes. Encourage synthesizers with focus on impact; encourage Adders with focus on how it helps their work.
- How to overcome barriers to adoption? → Manage burdles.

Management Implications to Enhance Wikis Success

- Use wikis on tasks that require new solutions.
- Encourage "Adders" by monitoring wiki use to ensure that work is easier with wiki.
- Encourage "Synthesizers" by focusing on impacts they can have.
- Don't worry about other forms of communication.
- Monitor wiki to ensure that contributors are credible.
- Overcome hurdles leads to sustainable wikis.

Conclusions

Corporate wikis are sustainable.

Corporate wiki use relies on similar (but not same) behaviors and incentives as "open" wiki use.

Synthesizer behavior is scarce.

End of Presentation