

# Sharing Knowledge to A Knowledge Management System: Examining the motivators and the benefits in an Omani organization

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## Abstract

Knowledge is a powerful resource that enables individuals and organizations to achieve several benefits such as improved learning and decision-making. Repository knowledge management system (KMS) assists organizations to efficiently capture their knowledge for later reuse. However, the breadth and depth of a knowledge management system depends on the magnitude of knowledge contributed to the system. This paper empirically investigated the motivators of individual knowledge sharing behavior and the individual benefits of such behavior. Data was collected through a questionnaire from 104 employees in a major private petroleum organization in Oman and analyzed by the partial least square analysis methodology. The results suggested that an individual's knowledge sharing behavior to KMS was motivated by organizational-culture dimensions (such as management support and rewards policy) and the system technical characteristics (such as system quality). Information technology service quality and peers trustworthiness were not significant motivators on individual knowledge sharing behavior. The results also suggested that individuals gain several benefits from sharing their knowledge to a repository KMS. The study provided implications for researchers and practitioners of KMS.

**Keywords:** Knowledge Sharing; Knowledge Management Systems; Knowledge Sharing Motivators; Knowledge Sharing Benefits

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## Introduction

Knowledge is a powerful asset; knowledge can be codified, manipulated and communicated. Organizations can achieve several benefits through knowledge management (KM) (Davenport and Prusak, 1998). The power and benefits of knowledge and its management can be realized through individual and organizational learning processes. Knowledge management has become one of the main imperatives of the information age economy (Alavi and Leidner,

2001). Knowledge management systems (KMS) are information systems that are developed to boost the effectiveness of the organization's knowledge management.

The breadth and depth of a knowledge management system (KMS) depends on the magnitude of knowledge contributed to the system. Thus, knowledge contribution (sharing) is a critical KM process. Without the codified knowledge, KMS cannot operate. Therefore examining the factors that affect the individual knowledge sharing behavior is

essential to the success of the deployment of organizational KMS. Individual experts spend the time and efforts to create explicit knowledge and store it on a knowledge repository (organizational memory) for future organizational reuse. However, limited studies have focused on individual KMS use (such as knowledge contribution) (Kankanhalli and Tan, 2004). Moreover, the cultural aspect is a key ingredient to the success of KMS (Davenport and Prusak, 1998; O'Dell and Grayson, 1998; Scholl, et al., 2004). Thus, an integration of social and technical dimensions is crucial for this KMS investigation.

Persuading individuals to contribute their knowledge to organizational repository KMS is even more challenging in an Arabian Culture such as Oman. In the Arab culture, knowledge is generally perceived as power and private. Thus, they will most likely feel reluctant to share their knowledge (power) with others, because they might lose their value and competitive advantage. Nevertheless, the deployment of KMS is very essential for developing countries to efficiently manage their knowledge and build their human resources (World Bank., 2003). Thus, developing a knowledge-culture is very crucial to promote individuals' knowledge sharing behavior and consequently have a successful KMS deployment in these countries. Very limited study investigated the determinants of a successful KMS deployment in the Middle East and Oman specifically. Little research, however, indicated the deployment of organizational KMS requires combination of technical and social (organizational culture) factors (Ahmed and Hegazy, 2006; Al-Busaidi and Olfman, 2005; Al-Athari and Zairi, 2001). In a qualitative exploratory study, Al-Busaidi et al.(2007) revealed some determinants of knowledge sharing and knowledge utilization behaviors. This study took a solid empirical observation specifically at the motivators and benefits of individual knowledge sharing behavior in Oman.

Consequently, the main objective of this paper was to empirically examine the social and technical factors that affect the individual knowledge sharing behavior to repository KMS. It specifically investigated the effects of system's quality, service quality, management support, rewards policy and peers trustworthiness on knowledge sharing. It also examined the benefits that individuals gain from sharing and codifying their knowledge to a repository KMS.

The next section discusses the background literature of knowledge sharing process, the determinants of knowledge sharing behavior and the benefits of knowledge sharing. The literature section is followed by the study framework and hypotheses, methodology, analysis and conclusion sections respectively.

## **Background Literature**

### *Knowledge Sharing Process*

Knowledge sharing is the sharing of one's own knowledge to other individuals; it is one of major organizational KMS processes (Becerra-Fernandez et al., 2004). Knowledge sharing through a repository KMS involves what Alavi and Leidner (2001) refers to as codification and storage process, the process of storing the explicit knowledge for later use.

Repository KMS is one of two traditional approaches, the most popular one, for the development of organizational KMS, along with the network model (Alavi and Leidner, 2001; Davenport and Prusak, 1998 ). The aim of this approach is to codify the organization's explicit knowledge to create an organizational memory. The development of a repository KMS offers several advantages for organizations (Alavi and Leidner, 2001). It helps in establishing "organization memory" (OM): general, explicit and articulated knowledge of the organization. Accordingly, it helps in

efficiently storing and reapplying workable solutions. Repository KMS also speed up and broaden the traditional knowledge sharing for socializing newcomers, that is, the transmission of the cultural rituals and routines (Davenport and Prusak, 1998). This is along with several direct and indirect organizational benefits.

However, the value of the repository KMS depends on the amount and the quality of knowledge that is stored in it. As a behavior, knowledge sharing may be deterred by several social inhibitors. These main social inhibitors of knowledge sharing are fear of (1) losing value (power), (2) losing work time (cost), and (3) misinterpretation of the shared knowledge (Davenport and Prusak, 1998; Husted and Michailova, 2002; O'Dell and Grayson, 1998). Individuals feel that they lose their competitive advantage when they share their expertise with others. They also feel that knowledge sharing will cost them a lot of time that they would rather spend on personal work. Also, individuals may fear that their peers who might utilize their knowledge may misinterpret the shared knowledge and that may cause bad work consequences. At a technical level, knowledge contribution involves the task of storing/uploading knowledge to repository KMS (Maier, 2002). Thus, a good system quality with an effective and efficient storage/upload function is critical for individuals' knowledge contribution.

Little research investigates knowledge sharing as a measurement of KMS usage. For example, Marks (2001) measured knowledge sharing by: (1) frequency of contribution, and (2) efforts to contribute knowledge that has positive value for the organization. Maier (2002) proposed that knowledge-publication might be measured by number/size of knowledge elements published per topic. To avoid the problem resulting from using self-reported objective measures, in this paper, knowledge contribution is measured by users' perceptions of the extent to which they contribute/upload knowledge to the repository KMS.

### *Determinants of Knowledge Sharing*

Generally, an effective deployment of a KMS requires several factors. There are several technical and social factors that influence the knowledge sharing behavior. Based on DeLone and McLean's 2003 IS Success Model, the technical factors that affect any information system use are related to information quality, system quality and service quality. Information (or knowledge) quality is critical only for knowledge utilization not knowledge sharing behavior. For knowledge sharing and codification, system quality refers to the quality of the system storage/upload function.

Based on the management and IS literature, organizational culture (Social factors) is very crucial on knowledge management. Corporate culture plays a key role in the success of KMS. Culture is defined as the shared values, beliefs and practices of the people in the organization (Schein, 1985). Culture values form an organization's norms and practices, which consequently control employees' behaviors such as knowledge sharing (De Long and Fahey, 2000).

Several dimensions of knowledge culture have been highlighted by several theoretical and qualitative studies (Al-Busaidi et al., 2007; De Long and Fahey, 2000; Krogh, 1998; O'Dell and Grayson, 1998). The most cited social dimensions are management support, rewards policy, and trust. Few KMS studies have included a cultural construct in their model. This study aimed to provide better understanding of the dimensions of KMS culture that motivate individuals' knowledge contribution to a repository KMS. It specifically investigates the effects of management support, rewards policy, and peers trustworthiness on the individual's knowledge sharing behavior. Management support is very important to clarify and acknowledge the importance of KMS, knowledge sharing to the organization's success. Management support is also

important to provide individuals time to share and codify knowledge. Rewards policy is another important factor that motivates KMS users to spend time and efforts to contribute knowledge to the KMS (O'Dell and Grayson, 1998). Peers-trustworthiness motivates knowledge contributors to share knowledge (Davenport and Prusak, 1998). More discussion on these factors is provided in the hypotheses section.

*Benefits of Knowledge Sharing*

Based on DeLone and McLean's (2003) model of IS success, the IS use may result in net benefits (an individual and organizational benefits). This paper investigated the individual benefits. There are several individual benefits that may result from knowledge sharing behavior (Hendriks, 1998; Maier, 2002). Based on Herzberg's two factors theory, Hendriks(1998) argued that individuals share knowledge because of motivation factors rather than hygiene

factors. Motivation factors are related to achievement, responsibility, recognition, work-challenge, and operational autonomy. Hygiene factors are salary, bonuses and penalties. KMS also improves individuals' performance and productivity in terms of time and speed of the knowledge sharing process (Maier, 2002). These all cited benefits may be classified as tangible, intangible and performance benefits.

**Study Framework & Hypotheses**

*Study framework*

This study investigated the motivators and benefits of the individual's knowledge sharing to a repository KMS. It empirically examined the effects of the system quality, service quality, management support, rewards policy and peers trustworthiness on the knowledge sharing behavior to a repository KMS. Figure 1 illustrates this study framework.

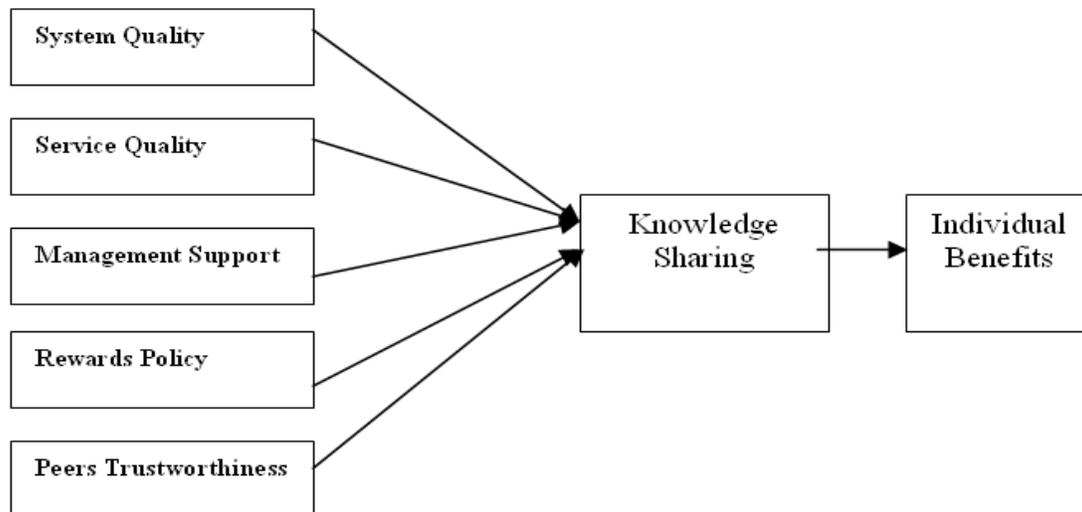


Fig. 1: The Study Framework

*System Quality*

System quality refers to the ease, speed, completeness, and effectiveness of the storage/upload function of the KMS. As for

knowledge sharing and codification, it is very important to have a KMS structure that enables faster and easier codification of knowledge (Alavi and Leidner, 2001; Davenport and Prusak, 1998 ). Advanced

storage and retrieval tools can effectively enhance organizational memory, repository KMS (Alavi and Leidner, 2001). In a qualitative study, the ease of storage found to encourage people to contribute knowledge (Goodman and Darr, 1998). Likewise, Al-Busaidi et al.(2007) in a qualitative study found that system quality in terms of ease of use , speed and integration is critical for knowledge sharing behavior. Thus, we hypothesize the following:

*Hypothesis (1): Higher system quality improves knowledge sharing to a repository KMS.*

#### *Service Quality*

Service quality involves the quality of IS staff support to the system's end-users. It is assessed here by the five indicators: reliability, responsiveness, assurance, and empathy (based on Kettinger and Lee(1994)), and training. Users of any system have similar criteria for evaluating service quality (Parasuraman et al, 1985). IS effectiveness measurement is undermined by ignoring service quality (DeLone and McLean, 2003). For effective KMS deployment, service quality is also important (Maier, 2002). Reliable, Responsive, understandable, and available IT support staff is essential to motivate KMS users. Also, training is needed to improve the success of an information system (Turban et al., 2001). Thus, we hypothesize the following:

*Hypothesis (2): Higher service quality improves knowledge sharing to a repository KMS.*

#### *Management Support*

Management support here refers to clarifying the goal, vision and importance of a KMS, and encouraging end-users (Davenport and Prusak, 1998; Gold et al., 2001). Management's open approval and acknowledgement of knowledge exchange reduces individual experts' fear of losing

their values. Also, providing employees the time to share knowledge encourages them to spend them to make an effort to do so. Management support is extremely critical to endorse the KMS and consequently change employees' attitudes. In the Arab culture, managers are recognized as high authority (Ali, 1990) and their support for KMS projects, which are emerging systems, certainly enhances employees' confidence to share their knowledge through the system for organizational problem solving and decisions making. Management support was also cited as a social determinant of knowledge sharing in Al-Busaidi et al.'s(2007) qualitative study. Therefore, the following hypothesis is proposed:

*Hypothesis (3): Higher management support improves knowledge sharing to a repository KMS.*

#### *Rewards Policy*

Rewards are "non trivial" monetary and non-monetary incentives. Rewards policy is a critical factor for KMS especially for knowledge sharing because the breadth and depth of a KMS project is based on the participation of the employees to create and codify their knowledge in these systems for others' use. It encourages employees to spend time and make the effort to create and codify their explicit knowledge (Davenport and Prusak, 1998). Without good incentives employees will be reluctant to exchange and contribute their own knowledge to the KMS (O'Dell and Grayson, 1998). Therefore:

*Hypothesis (4): More effective reward policy improves knowledge sharing to a repository KMS.*

#### *Peers Trustworthiness*

Trust is defined as a set of mutual expectations shared by people involved in collaboration and exchange (Zucker, 1986); it is considered as a critical factor for knowledge exchange. In terms of knowledge sharing, trust is referred to as the

trustworthiness of the knowledge utilizers. Knowledge sharing or “selling” in an organization depends on the trustworthiness of the knowledge utilizers (or buyers) (Davenport and Prusak, 1998) ; if the knowledge buyers do not give credit to the knowledge sellers, and pretend that the knowledge is theirs; then knowledge sellers gain nothing. Thus, peers-trustworthiness reduces knowledge owners’ fears, and encourages them to share. The significance of trust in several knowledge activities including knowledge externalization was found to be empirically significant (Lee, and Choi, 2003). Consequently, the following hypotheses are proposed:

*Hypothesis (5): Peers trustworthiness improves knowledge sharing to a repository KMS.*

#### *Individual Benefits*

As indicated earlier, there are several benefits individuals may gain from contributing their knowledge to a repository KMS (Hendriks, 1999 ; Maier, 2002). These benefits are related to tangible benefits such as long-term salary increment or promotions, intangible benefits such as reputation, and autonomy and performance benefits such as more efficient and faster knowledge sharing process. Likewise, in Al-Busaidi et al.'s(2007) qualitative study, knowledge owners highlighted some benefits of knowledge sharing Consequently:

*Hypothesis (6): Higher knowledge sharing to a repository KMS results in higher individual benefits.*

### **Study Methodology**

#### *Participants*

This study's sample includes 104 employees in a major private petroleum company in Oman. The company accounts for about 90% of the country's crude-oil production and

nearly all of its natural-gas supply. Oil is the major industry in Oman. Based on 2005 statistics published on the company's website, most of the employees (3784 staff) of the company are local, which represent 82% of the total employees in the company.

The sample included KMS users of a specific organizational knowledge management system in this organization. The organization developed this KMS because of business, technological and cultural factors. The objective of the organization is to enhance the transparency and the accessibility of the organization's information and knowledge throughout the organization, so employees are able to access it from anywhere. The system is a mean to transfer information/knowledge within one department or across departments. For example, petroleum engineers across several oil fields can use the system to share or locate common problems' solutions. Also information/knowledge can be shared across several departments such as between personnel and finance departments or drilling department and geophysicists or petroleum engineers.

Based on the IT department representatives, this investigated system is a web-centric application, with strong integration with the MS-Office suite and mail. It provides employees to store search and retrieve organizational documents, information and knowledge. Any employees in the organization can voluntarily access the system from the organization's web home page. However, limited number of employees can contribute (or store) knowledge to the system. These 104 participants represent KMS users who are authorized to contribute (codify) knowledge to the system. The 104 sample-size satisfies the partial least square (PLS) analysis methodology sample requirement.

### *Study Design*

Data was collected through a survey questionnaire of the perception of the employees; the questionnaire was filled in through electronic means (a web-site or by filling out an electronic MS-word format copy). The study sample was invited through email by an official contact person (established from a prior investigation) in the human resources department at the participating organization. Based on the contact person's suggestion, the applicable sample was randomly selected from the organization's email lists. The study was conducted in English (the typical medium of business activities in Oman).

### *Questionnaire*

The questionnaire contained the constructs to be measured for quantitative analysis, along with 10 demographic questions (e.g., gender, age, degree, KMS experience, work experience, and job function). Construct measurements items were phrased according to a 7-point Likert scale. For the study's independent constructs, the scale was defined as follows: 1= strongly disagree, 2= disagree, 3= somewhat disagree, 4= neither agree nor disagree, 5= somewhat agree, 6= agree, 7= strongly agree. For the dependent constructs, the scale is defined as follows: 1= Never, 2= Very infrequently, 3= infrequently, 4= Sometimes, 5= frequently, 6= Very frequently, 7= Always. A "Not applicable" option was also given for all constructs to ensure that individuals' ratings are valid responses.

The questionnaire included 33 indicators to examine this study's theoretical model. Some of the measurements were based on previous studies; for instance, system quality was modified from on DeLone and McLean(2003) and service quality was modified from Kettinger and Lee(1994). The new self-constructed measurements were developed based on the relevant literature by the method proposed by Moore and Benbasat

(1991). New self-constructed measurements are management support, rewards policy, peers trustworthiness, knowledge sharing and individual benefits

## **Data Analysis and Findings**

### *PLS Analysis Methodology*

Data was analyzed by the PLS-Graph 3.0 software. PLS is a variance-based structural equation model that allows path analysis of models with latent variables. In PLS, a distinction should be made whether the indicators are reflective or formative (Chin, 1998). Reflective indicators measure the same aspect of the underlying latent construct, whereas the formative indicators measure several aspects of their related latent construct. Each indicator may be correlated with the latent construct but not necessarily with other indicators in their block. In this study, indicators were considered formative because they measure several aspects of the underlying construct.

### *Sample Profile*

Most of participants were males; female represents only 20%. Around 97% were at least 26 years old. About 86% had at least two years of KMS-use experience. The majority of the participants, 73%, were Omani. About 56% of the participants were group leaders, project managers or department heads. About 50% of the participants were engineers; 19% were analysts; and 13% were consultants. Four percent of respondents had PhD, 25% had Master degree, 10% had postgraduate diploma, 51% had Bachelors degree, and 10% had diploma. Table 1 shows a summary of this profile.

Table 1: Sample Profile

QUESTION	%
<b>Gender</b>	
Female	20%.
Male	80%
<b>KMS Experience</b>	
>= 2 years	86%
< 2 years	14%
<b>Nationality</b>	
Omani	73%,
NonOmani	27%
<b>Job Position</b>	
Engineers	50%
Analysts	19%
Consultants	13%
Others	18%
<b>Education</b>	
PhD	4%
Master	25%
Postgraduate diploma	10%
Bachelors	51%
Diploma	10%

#### *Reliability and validity*

With PLS, the reliabilities of the measurements were evaluated through internal consistency reliability, and the validity was measured by the average variance extracted (AVE), which refers to the amount of variance a latent variable, captures from its indicators. The recommended level for internal consistency reliability is at least 0.70, while for AVE, it is at least 0.50 (Chin, 1998). Table 2 shows that the study constructs' reliability and AVE are above the recommended levels.

#### *Model Evaluation and Hypotheses Testing*

With PLS the R-square values are used to evaluate the predictive relevance of a structural model for the dependent latent variable, and the paths coefficients are used to assess the effects of the independent variables. The model hypotheses were tested by T-tests. Bootstrapping technique was utilized with a re-sampling of 200 to test the significance of the PLS estimates of path coefficients. Based on PLS-Graph user's guide, this resample size provides reasonable standard error estimates.

Table 2: Constructs' Reliability &amp; AVE

Construct	Total Items	Reliability	AVE
Management Support	4	0.926	0.760
System Quality	3	0.924	0.806
Service Quality	5	0.940	0.757
Rewards Policy	2	0.949	0.902
Peers Trustworthiness	4	0.943	0.806
Knowledge Sharing	5	0.876	0.587
Individual Benefits	10	0.936	0.598

Table 3 shows that R-squares for the dependent variables knowledge sharing process and individual benefits are 0.397 and 0.330, respectively. Thus, knowledge sharing to repository KMS was 39.7% determined by its predictors (system quality, service quality, management support, rewards policy, and peers trustworthiness), while individual benefits were 33% determined by its predictor (knowledge contribution). Also, the table shows that reward policy ( $\beta=0.290$ ;  $p = 0.1$ ), management support (0.233; 0.1), and system quality (0.224; 0.1) were the only

significant factors on knowledge sharing behavior. Service quality and peers trustworthiness were not significant predictors of knowledge sharing behavior. Knowledge sharing to repository KMS was also found to significantly result in individual contribution benefits (0.574; 0.005).

Thus, hypotheses H1 (storage level), H3 (management support), H4 (rewards policy), and H6 (individual benefits) were supported, but hypotheses H2 (service quality), and H5 (peers trustworthiness) were not supported.

Table 3: Model Evaluation Measures

Construct	Mean	R-Square	Path coefficient ( $\beta$ )	Sig. level ( $\alpha$ )
Storage Level	1.88	NA	0.224	0.1
Service Quality	4.25	NA	0.126	NS
Management Support	4.41	NA	0.233	0.1
Peers Trustworthiness	4.61	NA	0.021	NS
Rewards Policy	2.30	NA	0.290	0.1
Knowledge Sharing	2.56	0.397	0.574	0.005
Individual Benefits		0.330	NA	NA

NS = Not Significant;; NA = Not Applicable

**Conclusion**

*Overview*

This study mainly aimed to investigate the factors that determine the individual knowledge sharing behavior to a repository KMS. It also evaluated the individual benefits that gained from such behavior. A questionnaire with quantitative indicators was utilized for this investigation. PLS methodology was utilized for the quantitative analysis. The study was conducted in Oman, a developing country. KMS offers developing countries an effective and efficient way to build their human resources and consequently prepare them for a knowledge-based economy. However, knowledge in Arabian culture is considered private and power, hence promoting a

knowledge behavior is even more challenging in Arabian countries. This investigation provided practitioners and researchers some insights on the motivators of knowledge sharing behavior and consequently the success of KMS deployment.

The results of this study showed that the factors that significantly affected knowledge sharing were, in order of their contributions, rewards policy ( $\beta=0.290$ ;  $p = 0.1$ ), management support (0.233; 0.1), and system quality (0.224; 0.1). Service quality ( $\beta = 0.126$ ), and peers trustworthiness (0.021) were found to be insignificant. This indicates that the most important issue for sharing knowledge to the repository KMS is the rewards policy. Individuals freely spend their time and effort to share their

knowledge (power) with others through the KMS without any essential value added to their own job. Thus, rewards policy is critical in motivating them along with the support of management in terms of encouragement and time giving. It seems that once managers support and rewards the knowledge contributors, peers trustworthiness is not a significant factor. Besides, the development of a high quality of the system storage function is crucial for the knowledge contributors to have an easy and quick sharing process,

This study also empirically detected significant individual benefits resulting from sharing knowledge to a repository KMS. A higher knowledge sharing to the KMS results in higher intangible benefits, sharing-performance, and tangible benefits. Sharing knowledge to the KMS improves an individual's reputation, work status and performance, and experience of sharing knowledge.

This study showed that the development of a knowledge-oriented culture is very significant on the success of KMS use consistent with a number of studies in developing countries such as (Al-Busaidi and Olfman, 2005; Al-Athari and Zairi, 2001; Syed-Ikhsan and Rowland, 2004). The significance of management support on the success of IT deployment was highly supported by several studies from Arab countries such as (Ahmed and Hegazy, 2006; Khalfan and Alshawaf, 2004). The significance of management support is also consistent to an earlier study conducted by Al-Busaidi and Olfman(2005) on the KMS success factors in Omani organizations from the IT managers' perspective. However, this study showed that individual knowledge owners consider rewards policy as a valuable strategy unlike the IT managers in the earlier study. The significance of rewards policy is also consistent with a study conducted in Malaysian context (Yahya and Goh, 2002). This study showed that organizational-culture dimensions are more significant on individual's knowledge sharing behavior

than the system dimensions consistent with an earlier qualitative study conducted by Al-Busaidi et al (2007).

#### *Limitations and Future Research*

This study had some limitations. First this study was limited only to the repository model of KMS. Second, the study was investigated in one company and in one country with a specific KMS. The benefit of focusing on one organization and one KMS was control. Of course, this limited its generalization. Thus future research may carry out this investigation in a network model of KMS. Second, the study might be investigated in different organizations and in different culture and with different systems to generalize the results. Third, future research may also refine these study measurements and develop new one to strengthen the findings. Fourth, future researchers may also conduct this investigation through longitudinal study to understand whether knowledge sharing behavior is improved by the independent variables suggested in this study and/or by the benefits achieved through knowledge sharing.

#### *Implications for Practice*

This study offered several implications for research and practice. For practitioners, this study indicated that knowledge management is a socio-technical process; thus, the development of a knowledge-based culture and high quality system functionality are essential for the success of knowledge sharing process and consequently the organizational KMS. Management support is crucial to clarify the objective of KMS, encourage end users, and most importantly provide individuals the sufficient time to create and codify knowledge. The development of a rewards policy might be vital for knowledge sharing. The study also showed that deploying KMS provides knowledge contributors some individual

benefits, which consequently may lead to organizational benefits.

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Knowledge management may be defined as the system that identifies the knowledge requirements and their sources, generates the required information, processes, analyses and suitably presents the information, stores and makes available the knowledge to the right people at right time in the right format. Advances in technology and the way we access and share information has changed that, many enterprises now have some kind of knowledge management framework in place. As a result, knowledge sharing has gained importance in organizations seeking to gain a competitive edge (Felin and Hesterly, 2007). However, knowledge sharing is challenging in organizations for two reasons. First, employees tacit knowledge, by its very nature, is difficult to transfer. The next section is a summary of previous research on knowledge sharing and the factors that influence individuals willingness to share, with specific emphasis on the public sector. Next, the methodology is discussed, including the population and data analysis. Multiple regression was used to analyze the data, generating a model showing the influence of several factors on knowledge sharing. Personal benefits from knowledge sharing identified in the literature include: B. status and career advancement Carrying out knowledge management effectively requires support from a repertoire of methods, techniques and tools. This paper provides a selection of those methods. They are described according to a conceptual framework that sees knowledge management as consisting of four activities that are performed sequentially. At several points in the paper links with other contributions in this special issue are stipulated, as is also done the other way round. It is concluded that there is already a comprehensive set of support methods available, but for some peculiar aspects of knowledge assets there are still gaps. This holds in particular for the tangibility and measurability of knowledge assets.

### 1 Introduction.

During the last couple of years interest in knowledge management has grown rapidly. Sharing Knowledge to A Knowledge Management System: Examining the motivators and the benefits in an Omani organization. *Journal of Organizational Knowledge Management*. Download PDF. Knowledge is a powerful resource that enables individuals and organizations to achieve several benefits such as improved learning and decision-making. Repository knowledge management system (KMS) assists organizations to efficiently capture their knowledge for later reuse. However, the breadth and depth of a knowledge management system depends on the magnitude of knowledge contributed to the system. This paper empirically investigated the motivators of individual knowledge sharing behavior and the individual benefits of such behavior. Repository knowledge management system (KMS) assists organizations to efficiently capture their knowledge for later reuse. However, the breadth and depth of a knowledge management system depends on the magnitude of knowledge contributed to the system. This paper empirically investigated the motivators of individual knowledge sharing behavior and the individual benefits of such behavior. Data was collected through a questionnaire from 104 employees in a major private petroleum organization in Oman and analyzed by the partial least square analysis methodology.