

# Organizational innovation – a path to improve the working conditions in the knowledge economy

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**Abstract.** *This paper provides an overview of the latest research, both academic and official institutions, both theoretical and empirical, on organizational innovation. Organizational innovation is a new way of organizing the business practices of the organization, inclusive in knowledge management, in workplace organization or external relations, which have never been used before by that company. Knowledge-based organizations are built on intangible assets, on the knowledge, experience and competences of high-skilled human resources, who represent the most valuable resource of these organizations. In this context, based on a review of the literature published in recent years, both in Europe and worldwide, the paper synthesizes the different approaches on innovation and knowledge economy, then to center on organizational innovation, recently called “workplace innovation” and mainly on the effects of innovative practices in the organization of work, on the employees’ quality of life, as they emerge from the empirical research conducted in different organizations and countries; emphasis will be placed on identifying the extent to which these new practices have been introduced especially in organizations of KIBS (knowledge-intensive business services) sector, specific to knowledge economy, and their impact on the working conditions of highly qualified employees. Secondary data analysis we conducted showed that workplace innovation (including task variety, autonomy, participation at decision-making, teamwork, learning, self-assessment of work quality etc.) leads to employees’ welfare, health and therefore to their motivation and loyalty. Unfortunately, in the last five years, the percentage of European companies that adopt new, innovative forms of organization (“discretionary learning” forms), meant to ensure better working conditions, decreased. More, in Romania, there is a lack of harmonization between legislation and the development of activities specific to the knowledge economy; that is why as conclusions, the paper propose guidelines for Romanian business environment in order to improve the “goldern collars” employees’ quality of life.*

**Keywords:** *organizational innovation; knowledge economy; workplace innovation; knowledge-based organizations.*

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### **Innovation and organizational innovation – conceptual highlights**

Innovation is a concept with a very large applicability, whose characteristics vary based on the field of reference. According to the National Institute of Statistics (2013, p. 394), innovation is an activity resulting in either a new product (good or service) or significantly improved, a new process or a significantly improved one, a new marketing method or a new organizational method. Glodeanu et al. (2009, pp. 32, 52) quote the definition of innovation established by the European Union as "an accomplishment of a new idea in the current direct practice, either in a commercial manner, or in a voluntary and public sphere", by "the diffusion, assimilation and the usage of invention in different fields of the society". Tudor Rickards emphasized the role of creativity in innovation, considering innovation as „a process beginning with a creative idea and ending with implementation, from which point execution becomes routine" (cited in Landry, 2008, p. 107) or as "those behavioural and social processes whereby individuals, groups or organizations seek to achieve desired changes or to avoid the penalties of inaction" (Rickards, 1999, p. 45). Other authors emphasize the innovation characteristic of being a process and a result in the same time: "innovation is production or adoption, assimilation, and exploitation of a value-added novelty in economic and social spheres; renewal and enlargement of products, services, and markets; development of new methods of production; and establishment of new management systems; it is both a process and an outcome" (Crossan & Apaydin, 2010, p. 1155). A knowledge-based society can only be a society of innovation, and even more, a society driven by innovation, as, by its very nature, knowledge is continuously developing and this leads to innovation (Hoffman & Glodeanu, 2006, p. 119). As an expression of transforming knowledge into the main resource, innovation is the most important means of creating added-value (Nica, 2008, p. 229).

The situation of Romania, compared with that of other European countries, has been highlighted by some studies of the European Union, of which the most referential one for the present topic is the *Innovation Union Scoreboard* series, initiated in 2001 and published annually. The 2013 edition is grouping the European countries based on the values of the indicators referring to innovative performances, into four main groups (European Commission, 2013, pp. 5, 49): innovation leaders, innovation followers, moderate innovators, modest innovators. In this edition of the

study, Romania is situated in the last group and on the 26th place among 27 member states, according to its innovative performances (measured overall). Our country's strengths are constituted by the indicators grouped in the "human resources" and "economic effects" dimensions; while the weaknesses are in "linkages and entrepreneurship".

In a large sense, the notion „organizational innovation” refers to the creation or adoption of an idea or behaviour new to the organization (Daft, Damanpour, cited in Lam, 2011, p. 115). According to Eurostat and OECD (2005, p. 17), organizational innovation consists in the implementation of new organizational methods, these can be changes in business practices, in workplace organization or in the firm's external relations. Armbruster et al. (2008, p. 645) details this, defining organizational innovation as “comprising changes in the structure and processes of an organization due to implementing new managerial and working concepts and practices, such as the implementation of teamwork in production, supply chain management or quality-management systems”. He elaborated a typology of organizational innovation, dividing it in four types: 1. structural organizational innovation, which may change the divisional structure of organizational functions, hierarchical levels and information flow; 2. procedural organizational innovation, which may modify the process and operation routines within the firms; 3. intra-organizational innovation, that takes place within an organization; 4. inter-organizational aspects of innovation, which refer to new organizational structures and processes that exist beyond the borders of the firm (Armbruster, 2008, p. 646).

Also Lam (2011, p. 117) states that although different researchers from classical literature on organizational innovativeness studied the influence of individual, organizational and environmental variables on organization's propensity to innovate, most of them focused on organizational structure. Crossan and Apaydin (2010, p. 1154) establish a “comprehensive multi-dimensional framework of organizational innovation, linking leadership, innovation as a process and innovation as an outcome”; according to them, the factors that influence innovation are separated into three categories: leadership, managerial levers and business processes.

In this context, Nielsen and Lundvall (2007, p. 65) bring a new approach, referring to innovation from the perspectives of a social dimension and the relations between management and the employees of the innovative company, describing it as a process of creating knowledge, in which the speed and the direction of creating knowledge reflect the organizational features of the company, and implicitly, the commitment of employees to various forms of direct or indirect participation to decision-making, as well as the investments made in increasing the competences of the employees.

Corriat (cited in Mako, 2013a, pp. 79-80) notices that it is difficult to define organizational innovation because of its “multidimensional character” and thus it can only be identified as a “joint group of attributes”: organizational innovation consists of “a cluster of changes affecting the labour division and coordination patterns that prevail within a given organization, these patterns possessing a triple dimension (information, knowledge and know-how, interests)”. According to him, different surveys use different implicit notions of organizational innovation and it is not possible to give one unique and explicit definition of organizational innovation.

### **Theoretical aspects regarding the knowledge-based organizations**

Companies, organizations and business have always been centered on natural resources and technology, but are currently beginning to focus more on capitalizing knowledge. This is the tacit knowledge, meaning “the knowledge existent inside people’s heads in the shape of knowledge, intuition, opinions, abilities, competences, experiences, values, shared norms, learning motivations and capabilities, subjective emotions, cognitive, psychological, axiological and behavioral aspects that one might not be aware of” (Thite, 2004, p. 35). Within knowledge economy, the essential role is that of the work force and the freedom of movement of individuals, as owners of tacit knowledge. In order to generate and apply knowledge to goods, processes and services’ production, one needs new types of organization, new relations to customers and suppliers and the company needs to be seen as “a knowledge system” (Alvesson, 2004, p. 5). On the other hand, explicit knowledge is “the objectified and exteriorized one, capable to survive through writing, speech, signs and products that incorporate knowledge: books, magazines, studies, presentations of

experiences, patents, brands, disks, works of art, official values and norms, CDs etc.” (Glodeanu et al., 2009, pp. 70-71). Lazonick (2011, p. 51) also highlights the role of the knowledge of expert-employees in defining the innovative company: ”in order to fully understand the mechanisms of an innovative company, one must fully understand the role of organizational learning processes – the relationship between tacit knowledge and codified one, between individual and collective capacities and between what has been accumulated until a specific moment and what had resulted from accumulating that knowledge in time”.

World Bank (2011) states that a knowledge economy is „one where organizations and people acquire, create, disseminate, and use knowledge more effectively for greater economic and social development: there are closer links between science and technology; innovation is more important for economic growth and competitiveness; there is increased importance of education and life-long learning; and more investment is undertaken in intangibles (RandD, software and education) which is even greater than investments in fixed capital”. This knowledge economy ensures the functioning conditions for the knowledge-intensive organizations, defined as ”organizations in which the main resource is not given by the fixed means, such as buildings, machines or financial capital, but rather employees and the competences they display (abilities, experience, knowledge and values), which are essential to the creation of the intangible goods produced here” (Leovaridis, 2008a, p. 849). These are companies depending on ”the production, usage and originality of their knowledge fund” (Donaldson, 2001, p. 957), ”companies in which most of the work is intellectual, and the employees who are qualified and highly trained are the majority of the workforce” (Alvesson, 2000, p. 1101).

Thus, organizational innovation consists especially in giving a particular attention to the knowledge resources. Leovaridis (2008b, p. 258) approaches organizational innovation, by considering a knowledge-intensive organization an innovation in itself, because this type of organization changes a whole series of aspects regarding the organizational dimension and that of human resources (for instance, from using specific traditional resources – land, energy etc. – to the knowledge resources; from mass management to a more personalized one; from respecting job requirements to negotiating competences etc.).

Knowledge management, often summed-up as "the administration of intellectual capital", represents "an ensemble of practices and procedures which are intended to identify, organize and manage the knowledge owned by an organization", which attracts "a three-layered progress: people (culture), organization (discipline) and technology (tools)" (Staicu, 2011, pp. 34-35). Knowledge management and its strategies, also known as "knowledge strategies" have been also approached by De Toni, Nonino and Pivetta (2011), who introduced a model to assess the coherence of the knowledge strategy applied by companies and advanced two conclusions: 1. as the coherence of company's knowledge strategy with the competitive environment, organizational context and business strategy increases (decreases), the business performance increase (decrease); 2. the more the three fundamental knowledge strategies (development of knowledge - internal or external, sharing of knowledge - codification or personalization strategy, exploitation of knowledge - internal or external) are coherently balanced with the company's resources and with the competitive environment, organizational context and business strategy, the more the business performance increase.

The more recent organizations are founded on the "anthropocentric management", defined as "a new type of human resources management, based on training people and competences, offering an altogether different vision on what human resources are (and what they should become)" (Leovaridis, 2011, p. 51). According to this new type of management, "the aim is not to be able to use the human being (as a means) to a larger extent and better, but also to be able to consider the individual as the end goal and to see what the organization can and needs to do in order to help the respective individual become an accomplished person, but on a human level and through his work" (Hoffman, 1999, p. 50). Consequently, within a knowledge-intensive organization, the employee refers to the organization not only in traditional economic terms (payment, work conditions, duties), but also in psychological ones, through the manner in which the organization perceives and "treats" him, allowing him to develop himself professionally.

Here is a summary of the main features of knowledge-intensive companies, which differentiates them from other organizations by the nature of their work and the leadership and organization manners: highly qualified employees, who perform knowledge activities, using in their work both intellectual and symbolic abilities; a high degree of autonomy and flattened organizational hierarchies; the usage of flexible, adaptable and ad-hoc organizational forms; the need of an extended communication for coordination and problem solving, due to a high level of ambiguity; client-orientation, especially in the case of companies providing professional services; strength and information asymmetry given by the position of the expert (often favoring the profession to the disadvantage of the client); uncertain and subjective evaluation of the quality of the accomplished work results (Alvesson, 2004, p. 19). Ikujiro Nonaka (cited in Hoffman, 2004) classifies the knowledge-intensive organizations thus: routine-knowledge organizations, expert-dependent organizations, symbolic analyst-dependent organizations and intensive communication organizations.

### **Recent researches on organizational innovation - a secondary data analysis**

Research methodology consists in a secondary data analysis on the latest research conducted both in academia and by official institutions, on organizational innovation (and the related knowledge management topic) and its consequences on the working conditions of employees. Research objective is to identify the effects that the introduction of new forms of work organization reunited as the “workplace innovation” has on the employees’ quality of life, particularly those high-skilled in knowledge-intensive organizations, specific to knowledge economy.

One of the most recent researches establishes a relationship between knowledge management and networked innovation (Valkokari et al., 2012). This research has been conducted in six business-to-business companies, of variable dimensions, with a number of employees between 20 to over 2000; over 10 in-depth interviews have been performed, as well as two focus-groups with 10-20 representatives of these firms (from entrepreneurs and chief executive officers to lawyers and patent engineers). The main question of this study is exploring *how firms manage knowledge*

*in the context of networked innovation*, for example collaboration and joint innovation involving multiple actors. The Finnish researchers paper conclude that „with a strategic approach to knowledge management, firms are able to utilize networked innovation when they understand their partner’s business models and strategic intents, for example their motivation to collaborate. This understanding also enables firms to negotiate about roles, responsibilities and rights between the collaborators. Moreover, the collaboration and interaction processes within networked innovation – rather than simply the formation of innovation networks – were found to play a crucial role” (Valkokari et al., 2012). Another important result of the research, from a theoretical point of view, is the distinction of the two basic collaboration models of networked innovation: transaction networks (within explicit knowledge such as intellectual property rights is simply transferred from one actor to another) and co-creation networks (within there are always relationships, communication and interaction of some kind between the actors, that is why the risks and opportunities of innovation are higher within these co-creation networks). The authors recommend managers to establish the roles and responsibilities in network innovation management, to take into consideration both the objectives of their cooperation as well as the conflicts of interest, to create contracts based on mutual advantages and to share and combine knowledge in order to build a unique knowledge for all the actors of the network (Valkokari et al., 2012).

More and more, in recent years, organizational innovation is approached as innovation in work organization or innovation in the workplace, and the latter is treated in terms of social, human dimension, linked to improving the working conditions of employees. Thus, workplace innovation has been recently defined as “the implementation of new and combined interventions in the fields of work organization, human resource management and supportive technologies” (Pot, 2011, p. 405), being related to improvements in organizational performance on the one hand and in employee well-being and loyalty on the other hand. In this context, Eurofound (European Foundation for Improving of Living and Working Conditions) conducted a study, in 13 EU states, based on case studies carried out in different companies where workplace innovations have resulted in positive outcomes. The main aim of the research was to assess the impact of these innovations on the performance of an organization



and the effects for employees. The research methodology included face-to-face interviews and focus groups with various categories of employers and employees representatives, but also secondary data analyses based on websites, newspaper articles, company reports. The research results showed that innovations implemented by the case study companies may be grouped in three categories: the first one is single primary focus aiming to improve “organizational performance, typically focused on lean manufacturing principles, organizational efficiency and improved product quality (Bombardier, FAVI, Lufthansa, NUH, Radiometer), also service quality innovations (Finnish care home)”; the second type of innovations are parallel focus, “with multiple innovations, some aimed at organizational improvements and some aimed at benefiting employees such as improved communication, autonomy for employees, training/performance management, flexible working opportunities combined with efficient use of workspace (Elica, Kellogg, Rabobank, ROFF)”; the third category is hybrid primary focus with “innovations aimed at employees with consequent benefits for organization, for example health and well-being management and promotion initiatives (Slovenian retail group, Volkswagen Poznań)” (Cox et al., 2012, p. 69). The research’ authors conclude that workplace innovations that facilitated task variety and decision-making, encouraged a sense of responsibility and autonomy had a strong impact on employees, increasing job satisfaction and improving the employees well-being and work-life balance, health and lifestyle.” An increase in overall employee motivation was gained through measures that included job enrichment, greater autonomy, skills variety and development, enhanced training, increased trust and support, enhanced job security and opportunities for suggestions or challenge” (Cox et al., 2012, p. 2). Unfortunately, workplace innovations consisted in increased autonomy, task variety, flexibility and decision-making authority had a negative impact, they led to more work pressure, workloads and a more rapid work pace.

Another important research conducted at European level, *Working Conditions in the European Union: Work Organization* (Valerye et al., 2009, pp. 12-14) identified four types of organizations, according to the job characteristics related to work organization: discretionary learning forms (characterized by autonomy in work, learning and problem solving, task complexity, self-assessment of quality of work, autonomous teamwork), lean

production forms (characterized by teamwork, autonomous or otherwise, and job rotation, particularly multi-skilling), taylorist forms (opposite of discretionary learning class, with low autonomy in work, particularly in the methods of work, with few learning dynamics, low task complexity, but constraints on the pace of work, repetitiveness and monotony of tasks, and quality norms), traditional or simple structure forms (traditional forms of work organization where methods are largely informal and non-codified, simple organizational structure described by Mintzberg). Lundvall (2014) updates the original analysis of forms of work organization and show how the frequencies of the different forms have evolved over the 2000s (Table 1). The results show a slight increase (by 2%) in the discretionary learning forms during 2000-2005, counterbalanced by a decrease in the traditional forms. In 2010, especially because of the 2008 financial crisis, the data point out a significant decline of discretionary learning forms, associated by an increase in the more bureaucratic lean forms and to a lesser extent by an increase in the traditional and taylorist forms.

**Table 1. Frequencies of forms of work organization by three survey waves (Third, Fourth and Fifth European Working Conditions Survey) %**

Wave	Discretionary Learning	Lean Production	Taylorism	Traditional	Total
2000	35,1	28,2	17,4	18,3	100
2005	36,8	28,6	17,8	16,8	100
2010	31,8	31,3	18,6	18,3	100

*Source: Lundvall, 2014, p. 4*

A group of Hungarian researchers conducted a study with the objective of better understanding the diffusion and drivers of organizational innovation and the practice of knowledge development by comparing the knowledge-intensive business services (KIBS) sectors in Hungary and Slovakia. The 200 Hungarian and 100 Slovakian with more than 10 persons, included in survey, covered both the manufacturing and the KIBS sectors. The questionnaire, addressed to managers and owners of the surveyed companies, included items grouped in four sections: general characteristics of firms, composition of management and institutional transfer of business practices, diffusion and drivers of organizational innovation, characteristics of knowledge development practice in the firm

(Mako et al., 2013b, pp. 137, 141-142). Regarding the diffusion and drivers of organizational innovation, structural organizational innovation is less often used than its procedural version, because structural organizational innovation affects both the core components and their relationships within the organization. The survey showed significant differences in diffusion of organizational innovations in the Hungarian and Slovak KIBS sectors: forms of structural (or radical) organizational innovation such as project-based work, flat organization and interdisciplinary working groups are more commonly found in Slovak KIBS company; regarding some procedural organizational innovations, differences are greater: teamwork (89.6% versus 41.7%), job rotation (28.9% versus 9.7%) are more used in Slovak than Hungarian firms. On the other hand, in Hungarian KIBS companies, quality circles (23.7% versus 14.4%), benchmarking (37.3% versus 21.6%) and collecting suggestions from employees (49.7% versus 41.2%) are more common.

**Table 2. Types of organizational innovations in KIBS sector (Mako et al., 2013b, p. 158)**

	Hungary	Slovakia
<b>Structural organizational innovation</b>		
Project-based work	34.8%	69.1%
Flat or lean organization	10.7%	13.4%
Inter-professional (interdisciplinary) working groups	13.4%	36.1%
<b>Procedural organizational innovation</b>		
Quality Assurance and Auditing Systems (e.g., ISO and TQM)	21.9%	33.0%
Collecting suggestions from employees	49.7%	41.2%
Teamwork	41.7%	89.6%
Benchmarking	37.3%	21.6%
Quality control carried out by rank-and-file employees	23.7%	14.4%
Job rotation	9.7%	28.9%

Based on their researches in different companies, Maitland and Thomson (2014, p.2) distinguish between “future work” and “flexible work”: flexible work arrangements derive from industrial age work model - fixed hours, fixed location and management by control, without fundamentally altering it, while “future work is a new model for the digital age, which

measures and rewards people for results, not for hours (...) it gives people information, tools and clear objectives, and trusts them to get on with achieving those objectives in the way that works best, requiring a shift from command-and-control to management by trust”.

Another element of interest for the present study is the multicultural approach of knowledge management and organizational innovation. Magnier-Watanabe et al. (2011) present the case of a Japanese pharmaceutical company having subsidiaries in France, United States and China. The Japanese researchers “evaluate the effects that leadership, organizational culture and control and work style have on knowledge management, all defined in terms of the socialization process, externalization, combination and internalization”. Based on the research using questionnaires, they “compare the manner in which the above mentioned organizational factors influence knowledge-management processes within the respective organizations”. The research has shown that these factors have a different influence on the knowledge management methods and practices based on the characteristics of each country and recommends that “knowledge-management activities need to be adapted to the idiosyncrasies of each local organization, without renouncing to the global vision of the company” (Magnier-Watanabe et al., 2011). In the same country, the company Toyota Motor Corporation chose to use the “learn local/act global” model and evolved from a mere transfer of knowledge from the Japanese company to subsidiaries to the major preoccupation of creating knowledge and collecting tacit local knowledge in foreign markets through its employees from the local level (Ichijo, Kohlbacher, 2008).

A research study conducted in an IT consulting company from India (Lam, 2005) shows the tight connection between knowledge management and knowledge culture. The Indian company did not have any kind of knowledge culture. In addition to that, “company culture” was characterized by: strong competition between employees, lack of valuing knowledge and sharing with others, absence of reward or stimulants for sharing this knowledge, an exaggerated concern of keeping one’s work place, stigma associated with the reliance on someone else’s ideas, underestimation of employees, a preference for transmitting knowledge in a classic face-to-face manner, lack of trust in the quality of knowledge of the younger employees.

Another research, conducted by Kathryn Van Treuer in Australian business environment (Van Treuer, 2006), studied the relationship between, leadership, organizational climate and innovation, on 142 administrative and health-care professionals from a medium sized private consulting firm in Australia. According to the results of this study, the cohesion, autonomy and recognition, felt by employees, as well as the absence of pressure create an innovation climate, while excessive pressure influences it negatively: “within an innovative organization the staff must feel a cohesive and shared purpose, and that they should not feel over pressured”; at the same time, the employees “need to feel autonomous, and need to feel that they will be recognized for their achievements (Van Treuer, 2006, p. 196).

In order to evaluate whether Romanian companies, especially from economical sectors specific to knowledge economy, embraces these workplace innovations, a research has been conducted on the life quality of the highly-qualified employee, in the knowledge-intensive organizations from five services’ sectors: marketing-advertising, ITandC, banking-finances, research-development and higher education (KIBS sectors) (Leovaridis, 2013, pp. 192-194, 196). The research used face-to-face in-depth interviews, for highly-qualified employees and managers in the knowledge sectors (68 employees and 12 managers, a total of 80 persons). The questions referred to general, common dissatisfactions for this type of employees, but also to dissatisfactions specific to each sector of activity, regarding specific aspects of the quality of their professional life: health problems, working time, including atypical ones, the complexity and intensity of work, professional development opportunities, autonomy degree, decision-making manners and the leadership style both within the team and the organization, motivational techniques used, organizational climate, organizational culture and communication, measures to improve employee life quality etc. Of these, the actual paper shall refer only to those that could be related to various forms of organizational innovation. Regarding the cognitive dimension of the work, three quarters of the people interviewed from the advertising sectors, two thirds of the IT and banking sectors and all those of the RD and the higher education sectors admit that more than half of their daily activities are creative ones, percentages ranging between 50-90% in the advertising, RD and higher education sectors, 50-80% in the IT sector, and 50-70% in the banking sector. Work in the higher education, advertising and banking sectors consists of solving

and adapting to new, unpredictable things, while the employees of the IT and RD sectors admit to having to solve complex issues. Learning new things is specific to the IT, RD and higher education sectors.

When discussing the professional development of employees, those of the banking and IT sectors have benefited from courses either paid by their companies or offered in-house; this was not the situation in the higher education and RD sectors. Autonomy at workplace is expressed by the possibility to choose or change work speed, order of tasks and work methods. This is allowed in the RD and higher education sectors, and more moderate in the sectors in which deadlines need to be met, such as the advertising, IT and banking sectors. The possibility to take decisions and influence one's work is restrained in the higher education and IT sectors, moderate in the banking and advertising sectors and very high in the RD sector. Teamwork is a feature of the advertising, IT and RD sectors (and teams have a high autonomy), whereas in the case of higher education and banking, this is rarely the case (but when it happens, teams have autonomy, too). In the sectors of privately-infused capital and multinational companies (advertising, IT and banking), the important decisions regarding strategy are taken by the organization's management, following the instructions from the mother-company; in the IT and advertising sectors, relations between managers and subordinates are on equal footing, whereas in the banking sector this case is very rare. The IT and banking sectors have internal order regulations to follow, which is not the case in the advertising sector. The control of employees is both directly through supervision, and indirectly on the basis of results. In the RD and higher education sectors, infused with state capital, important decisions are taken by the Scientific Board/ Faculty Board and the University Senate, but only sometimes after consulting the researchers/professors in extended meetings; there is cooperation between managers and subordinates, but only in a hierarchical manner. There are also internal regulations to be followed in all cases and employee control is performed especially indirectly, based on results – through regular reports including opinions from colleagues and students etc. Decisions within the team are taken after consulting members, based on the existing equality relations.

## Discussions

Organizational innovation, or workplace innovation, as recently called, is one of the most important factors leading to organizational performance, in actual conditions, when competition between organizations in the knowledge economy takes place on the field of knowledge, of competences held employees and not of their physical power or tangible goods owned by the organization. As our secondary data analysis showed, workplace innovation (including task variety, autonomy, participation at decision-making, teamwork, learning, self-assessment of work quality etc.) leads to employees' welfare, health and therefore to the motivation and loyalty of them.

However, in the last five years, in Europe the percentage of companies that adopt new, innovative forms of organizations ("discretionary learning" forms), meant to ensure better working conditions, decreased considerably: "the deterioration of the quality of work has implications both for Europe's growth prospects and for the welfare of workers. In a learning economy a reduction in participatory learning undermines the long term competitiveness of Europe as well as workers' welfare" (Lundvall, 2014, p. 5).

Despite the rapid evolution of economy and its passing towards the knowledge-driven economy, and given the fact that the issue of knowledge-intensive organizations and knowledge workers will become more and more present and pressing in the Romanian reality, we believe that current legislation in the field in our country is not sufficiently adequate to these new demands from the knowledge economy. There is also a lack of harmonization between legislation and the development of activities specific to the knowledge economy, as one of the interviewed experts in the Romanian presented research stated that "work protection legislation is still in the industrial time".

A knowledge-based economy imposes, within current organizations of the services sector, organizational innovations based on a management style focused on the expert-employees, as an essential resource of the organization, and on the negotiations with them. Currently, there is a new organizational context, in which the financial stimulation of the "golden collar" employees is insufficient, requiring other motivational factors in

order to ensure their loyalty. Here are some of the suggestions made by the Romanian interviewed highly-qualified employees of various knowledge-intensive sectors, in order to improve the situation on a micro-level and to increase their life quality: reducing overload, offering opportunities of professional development, consulting employees with regard to the tasks given to them, as well as regarding the major decisions to be taken for the organization, organizing socializing activities between co-workers and creating a climate that could emphasize friendship, mutual aid between colleagues and informal communication etc. (Leovaridis, 2013, p. 222).

Far from having fully covered the topic of organizational innovation in the knowledge-based economy, the present paper draws an overview of the international and especially European concerns, as well as those of national researchers, in the large field of knowledge-based economy and highlights certain theoretical and practical aspects which are specific to the Romanian society. The paper can be continued with a quantitative, comprehensive and systematic content analysis, of all articles on organizational innovation in a number of Romanian and international academic journals (for the past five years, for example).

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