

According to AwieVlok, competencies for leadership in innovation may differ from those that were used to create and achieve business goals [7]. Also, the economy digitalization affects the qualities required for a successful innovative leader.

II. MATERIALS AND METHODS

At the beginning of the study, we formed the competency profile of the leader of an innovative organization. This profile includes competencies identified by innovation leaders. The study began with a list of innovative and motivational competencies from several sources and was based on the research results of McKinsey group, as well as A. Vlok, D. Horth, C.H. Matthews & R. Brueggemann and others [4], [7], [12], [15].

An analysis of the motivational competencies list allows us to identify external and internal stimulation of innovative activity[16]. In the process of researching the competencies of innovative leaders, the diversity of their competence structure was taken into account.

McKinsey researchers (Joanna Barsh - director of the New York office, Marla Kapozzi - associate director in the Boston office, Jonathan Davidson - director of the London office) also consider an important leadership skill to create a corporate culture of innovation, for which managers themselves must change, acquire new skills in the organization and motivation of staff [4].

McKinsey Group have noted that 94 percent of leaders consider corporate culture to be the most important internal driver of innovation. However, at the same time, most managers do not encourage or model the innovative behavior in employees [4]. In other words, the motivational component of the leaders' competence is not sufficient in the organizations studied in our research.

However, in our opinion, currently there is an increase of motivational competency because digital ones are becoming universal, while knowledge and experience turn out to be outdated very quickly. This hypothesis was put forward by the authors and verified during the study using two methods: a sociological survey to assess the priority of innovative leaders' competencies; application of the pairwise comparisons method of competency characteristics in terms of their impact on the innovative activity of organizations.

In order to identify the priority of the characteristic, five answers are given, each of which corresponds to a numerical value in points. Each answer option calculates the priority of the leader's competencies in points.

III. RESULTS AND DISCUSSION

The set of innovative and motivational competencies of the leader was analyzed and presented in the form of the following list of requirements (column 1 of table 1).

The matrix of pairwise comparisons was filled in by three groups of respondents: researcher (number 1 in table 1); leader of an innovative organization (number 2 in table 1); small business manager (number 3 in table 1).The result of pairwise comparisons by the three groups of participants in the innovation process in a large organization was performed

under the guidance of the authors and presented below in table 1.

Table 1.The result of pairwise comparisons of motivational and innovative (business) characteristics of leader competencies (developed by the authors based on the study).

Characteristic	Respondents			Averagegrade point
	1	2	3	
1. Psychological readiness for change and constant self-development	10	7	15	10,7
2. The desire to lead the organization to success	15	12	13	13,3
3. The need to be a leader based on innovation	9	3	9	7,0
4. An innovative style of behavior	4	2	1	2,3
Sum of grades on motivational characteristics	38	23	38	33,0
5. Knowledge of advanced achievements in the field of the organization and the legal basis for its implementation	3	8	6	5,7
6. Experience in introducing innovations and overcoming resistance to them	9	11	6	8,7
7. Ability to attract investment for the implementation of the project	3	10	4	5,7
8. Understanding the risks of innovation, especially radical	11	11	10	10,7
Sum of ratings on innovative (business) characteristics	26	40	26	30,7

According to the data obtained, the small business manager appreciates business innovative characteristics much more than socio-psychological motivational competencies. While innovators consider personal characteristics of a leader more important for influencing the innovative development of an organization.

The minimum ratings for all categories of respondents received such a characteristic as "Innovative style of behavior", and the maximum—"desire to lead the organization to success." Unambiguously and high enough, all categories of respondents' rate "Understanding the risks of innovation, especially radical."

Comparing the assessments of innovators working in large innovation organizations and the head of a small trading enterprise, we note that the greatest deviation occurs according to the characteristic "Need to be a leader on the basis of innovation", since the creator and small business manager do not consider it necessary to prove their leadership, but introduces innovations according to business need.

To determine the priority of the leader's competencies to ensure the growth of innovative activity of the organization, we proposed the following statements for evaluation.

If the head of the organization does not have the following competencies, the introduction of digital innovation is at risk:

1. Psychological readiness for change and constant self-development. (Explanation: the leader must be ready to change himself, constantly seek and master new technologies of personal work, including digital).

2. The desire to lead the organization to success. (Explanation: first of all, the leader must be motivated to apply innovations himself, be at the head of the "innovation

transformation” in order to achieve the company’s competitiveness).

3. The need to be a leader based on innovation. (Explanation: a leader must understand that a modern leader cannot win and develop his leadership if he or she does not actively introduce innovations).

4. An innovative style of behavior. (Explanation: leaders must be the initiators of innovations and be able to create an appropriate organizational climate so that all the employees use innovative thinking to solve problems and develop new products).

5. Knowledge of advanced achievements in the industry of the organization and the legal basis for its implementation. (Explanation: for the introduction of innovations, the leader must be well aware of new technologies in the field of his or her activity, as well as how legitimate is their implementation in the organization).

6. Experience in introducing innovations and overcoming resistance to them. (Explanation: for the successful implementation of new digital technologies, it is important to have experience in implementing innovative projects, to see on the basis of this, what problems may arise in the process of implementing innovations, and how to overcome them).

7. Ability to attract investment for the project implementation. (Explanation: it is impossible to implement innovations without investments, therefore, the manager must have experience in “finding an effective investor”).

8. Understanding the risks of innovation, especially radical. (Explanation: it is impossible to successfully implement innovations if manager is not prepared for minimizing the risks that can ruin any idea).

To determine the factors of the importance of innovative and motivational competence of enterprise managers and their relationship with innovative activity, we conducted a study of more than 200 respondents from 24 business structures of the Stavropol Territory (18) and other regions of the Russian Federation (6).

As a result of the study, it was found that in enterprises whose managers have a high level of innovative competence, as a rule, innovative activity takes a priority place in the management strategy. The estimates given by the leaders of the responding organizations are grouped in table 2. For comparison, the last column shows the priorities obtained by pairwise comparisons (marked with *)

Table 2. Priority components of innovative and motivational competence of organizational leaders (developed by the authors on the basis of the study)

Characteristic	Average grade point			Priority	
	IE*	OO**	In the whole selection	Approval Assessment Method	Pairwise Comparison Method*
1. Psychological readiness for change and constant self-development	10,0	10,2	10,1	2	2
2. The desire to lead the organization to success	11,1	9,5	10,3	1	1
3. The need to be a leader based on	8,6	8,0	8,3	7-8	8

innovation					
4. Aninnovativestyleof behavior	9,0	9,0	9,0	4-5	6
5. Knowledge of advanced achievements in the industry of the organization and the legal basis for its implementation	8,2	9,8	9,0	4-5	3
6. Experience in introducing innovations and overcoming resistance	8,2	8,4	8,3	7-8	4-5
7. Ability to attract investment for the projectimplementation	7,5	9,5	8,5	6	7
8. Understanding the risks of innovation, especially radical	9,4	10,0	9,7	3	4-5

* innovatively active enterprises;
 ** other organizations;

As the analysis of personal conversations with the heads of the city’s enterprises shows, the decisive motive for applying this or that innovation is the ability to adopt a well-developed brand or effective technology from competitors, if this company does not have such an opportunity, interest in other innovative projects, especially costly and risky, is lost.

In our opinion, this provision is in the framework of studying the management psychology and can be changed by creating an effective system of informational support and knowledge management for both managers and personnel of the enterprise. The complexity of the competency profile can also be represented as a polygon (Fig. 1).

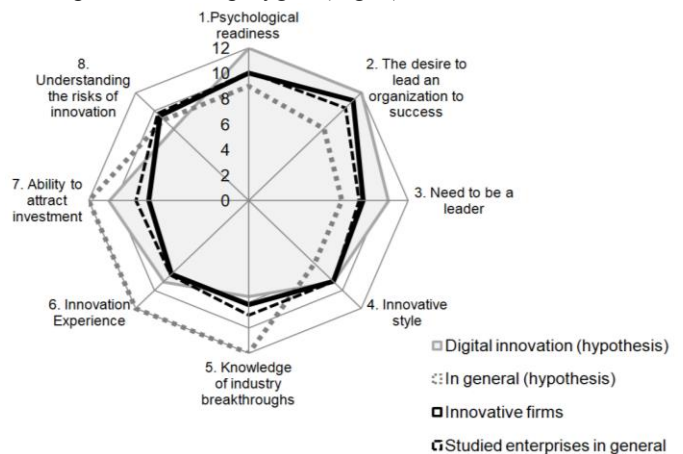


Fig. 1. Competency profile of an organizational leader

As the results of the study showed, for most enterprises the leaders’ motivational competence is no less significant than innovative (business) one. In this group, the most significant are “the desire to lead the organization to success” and “Psychological readiness for change and constant self-development”.

It is also worth noting that all business innovative competencies received rather high marks, although a certain priority was given to "knowledge of advanced achievements in the industry of the organization" and "experience of their implementation in the organization."

Analyzing the data obtained (Figure 3), it can be noted that our assumptions about the transformation of motivational and innovative competencies are confirmed. However, the assessments received from the respondents (black lines in Figure 1) of the competency shift towards motivational components turned out to be less significant than the expected ones (gray lines). Thus, the hypothesis was partially confirmed.

IV. CONCLUSIONS

The development of digital information technology leads to the transformation of relations in the market system, increasing the uncertainty of the competitive environment, puts forward one of the first places the requirement for the head of the organization as the leader of change. We consider it necessary to note the need to integrate innovation into the strategic management system. In this system, innovations (as the main tool for achieving the growth of companies' competitiveness) are planned, monitored, evaluated, encouraged, that is, they are an integrated management object. In addition, managers can make better use of available (and often unused) resources for innovation. At the same time, strategic change programs are not destructive. According to researchers at McKinsey, which is confirmed in our study, the main motivators for promoting innovation are strong innovative leaders who actively lead companies to success by managing themselves, staff, innovations and other resources of the organization. The leader must change himself, showing an example of adaptation to new technologies and products. Its most important task is the formation of an innovation corporate culture. A culture of innovation suggests that leaders can skillfully overcome organizational barriers to change.

The results of the study show that in the context of digitalization, innovative leaders need to constantly improve their competencies in the direction of developing their abilities to motivate the work of highly professional creative workers who create innovations. Continuing research in the indicated direction, the authors believe it is necessary to identify the most effective tools for influencing employees who introduce innovations.

In conclusion, we note that both company executives and authorities involved in the development of innovations in the region should be interested in enhancing innovation/

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