Lifelong learning and influencing on the quality of the society

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Keywords: Quality, Lifelong learning, Education, Society, Elite

Abstract. Individual people are the key actors in all societies directly or indirectly through different organizations and institutions. Lifelong learning of people and its influence on the development of the societies are considered in this paper particularly from the quality point of view. In this context, we also refer to inventing, which is the cognate phenomenon of learning. Professional quality approach has proven beneficial in all areas of our societies. Education and learning should not be any exceptions. However, many cases demonstrate that performed quality measures do not deliver promises or are unsatisfactory. Also questions of the quality of education and the quality of society are most often dealt with inconsistently and ambiguously. In order to avoid ambiguity, we refer in this research to the basics of the professional quality. This conceptual research offers a consistent quality perspective on the lifelong learning of people and the organizational learning in order to improve the quality of the society. As a special aspect, we want to bring out the points of view of the strong influential individuals and the elite of the society. With the professional quality approach, our aim is to generate ideas for empirical studies, to address views of practical challenges for the education discipline as well as organizations, and to build a bridge between education and the quality expertise.

Learning in a broad sense, and quality diffusion in societies

A person’s lifelong learning during his/her entire existence, as an individual and as a member of organizations and societies takes place through formal and informal educational and societal processes of gaining or acquiring knowledge or skills. Our societies have a great variety of these possibilities for education and learning for individuals through their lifetime. Learning also provides driving force for inventing that is the prerequisite of innovation.

Organizations and societies learn through their individual members’ collaboration and learning. Learning of the organization is aimed at the purposes of the organization, and it is organized by the management and the business system. Learning of the society takes place through the influence and activity of many different independent individuals and organizations in the society. Learning individual, learning organization, and learning society are very different learning domains, and the challenging question is how to ensure quality in these cases.

All learning activities have crucial influence on the development of our societies as a whole. In this context a society may be considered as a local, nation- or country-wide, regional, or global entirety, or as an issue-specific group of people. Members of the society are independent but interactive actors, they have distinct identities and development status, and consist of citizens, visitors, institutions, private companies, and organizations of public civil service and not-for-profit third sector. An organization is a person or group of people that has its own functions with responsibilities, authorities and relationships to achieve its objectives. Individuals institute the society, and individuals are influenced and developed by the instituted society. Ultimately, the individuals are the core of the societies.
Individuals of the society are not equal. Always a certain minority of people has bigger passion and influence on the society and its development. In practice, the influence can mean both good and bad consequences with regard to the society and its different individual members.

Quality of the society in general implies a good, well-functioning and well-developing, or excellent society for all of its members. The society and its quality develop through activities and interactions of people directly or via different organizations and institutions. This development may happen according to the incremental evolution or radical revolution. Societal quality improvement arises as the result of large scale learning and innovation. We call this quality diffusion.

A professional quality approach

General professional standardized quality concepts and principles are well established and practiced in most of the countries, and used in millions of different organizations. It is highly justified to use them in the field of education and learning, too. In any case, the quality topic has largely been pointed up in educational discussions but the used quality phraseology and practices are inconsistent.

The most central general concepts, quality and quality management (QM), provide the foundation for the professional quality approach. Quality is defined as the degree to which the object fulfills the needs and expectations of all interested parties. In the educational context, the object consists of all outputs of the educational organizations. An educational organization has many interested parties, but the teacher and learner are the most important ones, and they have very different needs and expectations. QM implies coordinated activities to direct and control the organization and its processes with regard to quality.

The key challenge for quality is to identify the real needs and expectations. The individuals’ needs and expectations cannot be standardized. They are related to persons’ different stages of life cycle, quality of life expectations, and their world-views. In particular, some individuals in the society have greater aims and aspirations. According to Johnston: “If you treat everyone the same, what varies is satisfaction. To achieve equal satisfaction, you must vary treatment”. Educational needs are shifting from ‘learning to know and do’ to ‘learning to be and live together’ that especially emphasizes the societal aspects. Challenges that become to overcome consist of multi-disciplinary dimensions of skills and knowledge.

People’s needs for learning may considerably change during their lifetime. That may mean unlearning or relearning. Needs for the organizational learning come from the purpose and targets of the organization as defined by the top management. People’s learning during their working life is a remarkable part of their lifelong learning. The whole society’s needs for learning cannot be dictated by anybody on behalf of others. However, strong societal and international authorities may guide the development of education in societies. European Union has recently recognized that the educational systems do not meet the requirements of the labor market.

According to the above mentioned standard definition, the quality of a society at large means the degree to which the society fulfills the needs and expectations of all individuals of the society directly or indirectly via different organizations and also those of certain significant parties outside the society. The traditional QM concepts and methodologies have been developed for organizations and hence they are not applicable for the societal networks. The quality of the society develops through diffusion, but not through QM as it happens in the organizations.

Learning providing and receiving processes

Learning is the co-created result of interacting processes of providing and receiving learning. Both the teacher and the learner should perceive this teaching/learning event valuable. We understand the archetype of the teaching/learning phenomenon as interacting human processes of knowledge creating. This was already the situation at the Plato’s Academy.

Process management and risk management are the professional prerequisites for quality realization in the educational organizations. Learning takes place in certain environments through
teaching material (HW - Hardware), human interaction (MW - Manware), and information technological means (SW - Software) (Fig. 1).

![Diagram of learning channels](image)

Figure 1. Providing learning in the education processes through different learning channels during the lifelong learning, which begins and ends with the direct human touch\(^\text{xv}\). (The SW figure is the Agry Bird of Rovio Entertainment Ltd.\(^\text{xvi}\))

Traditionally learning is seen as a formal educational activity but the majority of learning takes place informally\(^\text{xvii}\) and is supported by social interactive means. We should question the old learning theories\(^\text{xviii xix}\), and now connectivism, interacting and collaborating are at the core of learning. This has also created a lot of new learning environments and practices mainly based on social, informal and open learning\(^\text{xx xx xi xxii xxiii xxiv xxv}\).

**Learning of individuals, organizations, and societies**

Each person has his/her own personality based limiting performance level (PLPL) influenced by the rational, emotional, spiritual and cultural factors, and the actual operational performance level (POPL)\(^\text{xxvii xxviii}\) influenced by the mood and operational situation and improves incrementally through learning. The PLPL may change at certain opportune time moments of significant emotional experience.

Lifelong learning develops through the person’s living as a member of society through his/her lifecycle\(^\text{xxix}\) from the pre-birth stage to death. Our approach is based on the scientific thinking, fundamental teaching/learning archetype, and the professional quality concepts, and it can provide the universal quality model for learning at all life stages.

In organizations, awareness, attitudes, skills and competences develop through the organized learning of the personnel in the organization. Incremental learning is related to certain particular skills, for instance related to innovation. Radical large-scale breakthrough change\(^\text{xxx}\) is a particular transformation process\(^\text{xxxi}\) and often requires a crisis\(^\text{xxii}\). Transformations are initiated and managed from the strategic (top management) level of the organization by decisive actions and include consistent learning. Organizational learning aims at personal mastery, mental models, shared vision, team learning and systems thinking within the organization\(^\text{xxiii}\).

People act and make decisions privately and in their working teams in situations, in which causality is poorly understood, uncertainty exists, and people have different beliefs and personal biases. Knowledge workers - actually today all employees and business leaders - have to negotiate in order to understand what they face. If people want to create shared meaning, they need to talk about their experience in close proximity to its occurrence and have common platforms for conversation. This means on the job learning.

Leadership language has an important role in the organizations\(^\text{xxxiv}\). An organization is a living organism. Language defines the environment in which the organization lives. Narrowing language
increases efficiency but the organization becomes unable to adapt to changes in its environment. Organizational growing is possible only if the organization learns new language from outside.

Societies are scale-free networks. Multiple Win / Win principle is the key requirement for learning and sustained success among the networking partners. Strong network actors (hubs) keep the network alive, and quality of the network facilitates its growth. These actors include two categories of the societal elite:

- People that are superior in terms of ability or qualities to the rest of the society
- People that have the most power and influence in a society, especially on account of their wealth or privilege

**Evaluating the performance of educational organizations and the quality of society**

Performance evaluations and measurements are the key issues of the established QM. Professional quality methodologies include strategic self-assessment and operational process evaluations of the organizations and their results. Such practices are not widely used in the field of education. However, many evaluation models have been developed for formal education and learning results, and used at different educational levels nationally and internationally. These approaches are not consistently compatible and may be confusing from the quality point of view.

Measurement is a challenging issue for creating information and knowledge. Metrology is the science of measurement, and its vocabulary covers the generally accepted terms and definitions. According to Deming, information is not knowledge. Knowledge comes from theory. Without theory, there is no way to use information from the measurements. Also in the field of education, the performance measurements should be based on the general scientific and professional principles.

Well-established practices for evaluating the whole societies from the overall quality point of view are not available. However, there are a lot of published information on the society evaluations and comparisons that are very fragmented into many specialized local, regional, and national topics, including aspects of municipality operations, social capital, social fragility and risks, environmental issues, nature, ecology and sustainable development, competitiveness, culture and cultural values, language, wealth, family issues, public participation and human relationships, creativity and innovations, peace, freedom, happiness and quality of life, etc. Typically the professional quality viewpoints have not been much emphasized in these cases.

**National approaches and references from Finland**

The Finnish education system is often referred to for the purpose of benchmarking. Our basic education is defined in the national education plans that have developed during the recent 100 years from ethical objectivism to ethical relativism. The quality topic is not considered explicitly in these plans. Finland has stayed apart from the global education reform movement (GERM) that has emerged since the 1980s and become adopted throughout the world.

Recently we have explored new educational practices, e.g. positive psychology and character strength pedagogy, and learning through applying gamification in education. Now a lot of information technology is being introduced to education although it is also questioned. Right now, the time of recession sets challenges for the educational investments and threatens the development.

One of the basic principles of the Finnish education is that all people have equal access to the same high-quality education and training, and the same opportunities to education are available to all citizens irrespective of their ethnic origin, age, wealth or where they live. Education is also free at all levels. That also means that in Finland we have no elite based on the national educational system. Also, due to the satisfactorily functioning democracy and minimal corruption all citizens have thus equal opportunities to influence in the society.
We have, however, recognized an unfavorable or even dangerous development in the strategic foresight planning for the future of the whole society or nation. The foresight work has evolved into a discussion and decision-making of the new elite of experts, policy-makers and politicians, top representatives of the trade unions, business sectors and the cultural life, and the citizens’ capabilities have been ignored. Also the choice of words and terms, which differ from the ordinary use of language, highlight the specificity of the work, and even extraneous “trolls" are present in the social network. This development is inconsistent with the principles of democracy. A long term reaction to this development could be education and learning to more inventive and collaborative knowledge based society and the effective use of the new interactive communicational means that also have direct positive influence on the creativity, inventions, societal capital, and the quality of society.

Summary

A lot of study results is available, and extensive worldwide discussion of various future challenges of lifelong learning and its relation to the quality and development of the society as a whole are underway. Globally the overall picture of education is fragmented and comprises contradicting views. However, education and learning, especially incorporated with innovation, are in general recognized crucial from the societies’ development point of view. Quality discipline may refine this intention with proven professional concepts and practices. This paper aims at building a bridge between education and quality expertise for multidisciplinary professionalism and mutual learning.

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