



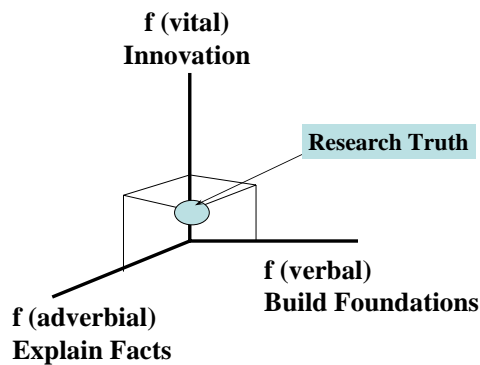
The Unicist Ontology of Research

This is a synthesis on the results obtained from the research on the ontology of research led by Peter Belohlavek.

The essential concept of research

Innovation is the essential purpose of research. Research is developed to be able to innovate within a given reality. This influence may consist in building, curing, developing, repairing, or whatever human needs require.

ESSENTIAL CONCEPT OF RESEARCH



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The essential concept of research is to find innovations to improve the value added. In order to do so, research builds foundations and explains the facts of that reality.

When researching truth, in a non-religious sense, there is a great difficulty to develop “real” research, being limited by the capability to understand facts.

That means there is no possibility for a person who has the talent of researching beyond the accepted limits of knowledge to develop researches based on non-accepted knowledge.

The personal histories of Galileo, Newton, and Tesla are examples of this assertion.

To understand the process of research one has to know the limits of one’s knowledge to be able to accept evidences without being able to comprehend their groundings.

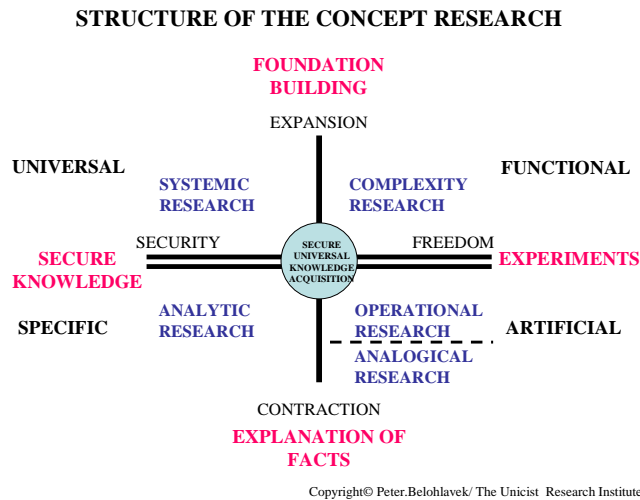
Description of the functional concept of research

The functional purpose of research is to build the groundings that sustain the knowledge of a given reality. To do so the drivers are functional experiments based on universal secure knowledge.



The limits of acceptance of research are given by the capacity to explain facts based on artificial experiments that are sustained by specific secure knowledge.

But if the limits of acceptance prevail research becomes fallacious.



There are four basic segments of research and a pseudo-research approach.

Analological research – Pseudo research approach

This research is based on the comparison of a fact with analological examples, opinions, or components. Its basic research tool is statistics, and its validation is given by the consistency between the analogy and the homology of the data being considered as valid in the research.

Operational Research

This research is based on finding the cause-effect relationship between the facts being researched and their immediate causes.

Descriptions, statistics, mathematical inferences, and syncretic language are the tools of this research.

This research is functional in fields where corrective actions are functional and possible to achieve goals. When corrective actions are not possible or dysfunctional this research approach is valueless.



Analytic Research

This research is based on the logical and mathematical relations between the facts researched and their causes in a restricted field.

Analysis is based on dividing a reality into its components until finding a secure knowledge.

After secure knowledge is found, the reconstruction of the wholeness of facts enters the world of probabilities. Logic, mathematics, and analytic language are the tools of this research.

Systemic Research

This research is based on finding the variables of a given reality and making all the functional experiences to secure the knowledge of facts.

Descriptions, analysis, cause-effect relations, mathematics, and factual language are the research tools of this approach.

This research is functional in the field of materialistic researches where probabilities are functional to approach reality. Where probabilities are not good enough, this approach is dysfunctional.

Complexity Research

This research is based on finding the ontological structure of a given reality to access its “know why.”

Descriptions, analysis, cause-effect relations, reflections, mathematics, and synthetic language are the inputs to find the ontological structure of a given reality.

This research is functional in the field of knowledge where the comprehension of its wholeness is necessary. This research is functional to integrate the preceding research approaches to secure conclusions on complex realities.

Conclusion

All these approaches must be used to build secure knowledge about unknown facts. That is the meaning of the Unicist secure knowledge acquisition.

The Unicist Research Institute