

POSSIBILITIES OF INCERTITUDE REFLECTING AND MODELING IN ECONOMIC DECISION PROCESS

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Most of phenomena are developed with an amount of conditions which is equivalent to the existence of several possible states of nature, whose possibilities of realization aren't known as a rule. For this case, actual decision theories have put in the concept of incertitude as an unavoidable condition of the decision process which basically characterizes human being.

Incetitude, function of its sources, exists in process having role of conditions (decision in incertitude cases), established both by outside environment and by intrinsic character of decision (decision incertitude), helped by human factor (the actors of decision process). Therefore, incertitude can produce a series of psycho-managerial problems. Whose solving is so than can clearly change the decisional process itself, wherein real decision men adopt strategies of decision different from those suppose by the analytic model.

Incetitude can act in decisional process in sure conditions as initial incertitude but each phase of process is finalized in a sure process and starting incertitude is absorbed through cognitive processes. In this case, through taking decision, the incertitude has wholly cancelled and even it remains more a certain quantity of incertitude, it is no more important.

But in real cases, incertitude isn't as a rule wholly integrated in before-decision phases but persists. Thus, it becomes an important parameter of decision process, interacting with the other parameters of it.

In this work we purpose to analyze the kinds of incertitude reflection in the phases of economic decisional process for finding possibilities of its modeling, thus offering for decision man right instruments of analyze and option in incertitude cases.

Selected References

- [1]. ANDREICA, M., STOICA, M., LUBAN, F., *Quantitative Methods in Management*, Economic Editing Press, ISBN 973-590-027-0, Bucharest, 1998;
- [2]. COCULESCU, C., *Models of Incertitude Quantization*, in Review "Studies and Researches of Economic Computing and Economic Cybernetic", nr.2/2007, pp. 135_142, ISSN 0585-7511, Bucharest, 2007;
- [3]. COCULESCU, C., CĂRUȚAȘU, G., DESPA, R., *Information – essential element in decision process modeling*, in „Annals of the Oradea University, Fascicle of Management and Technological Engineering”, CD-ROM Edition, Volume VII (XVII) 2008, pp. 2016_2021, Oradea, 2008;
- [4]. GOODWIN, P., RIGHT, G., *Decision Analysis for Management Judgement*, John Wiley & Sons, Chichester, 1991;
- [5]. MĂRĂCINE, V., *Managerial Decisions*, Economic Editing Press, ISBN 973-590-044-0, Bucharest 1998;
- [6]. ZAMFIR, C., *Incetitude, a psycho-social-politic perspective*, Bucharest, 1992.