

# EPILOGUE OF A COMPLEX JOURNAL PROJECT, BASED ON INTER-, CROSS-, TRANS-, AND MULTIDISCIPLINARY RESEARCH AND ACADEMIC EDUCATION

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**Abstract.** *Any research and scientific journal has its own life and as it appears it must naturally disappear at some point, if there are no more researchers or professors as editors, interested in keeping it alive or giving it the status of being publishable. The magazine about which this brief article deals, suggestively titled "Epilogue of a Complex Journal Project, based on Inter-, Cross-, Trans-, and Multidisciplinary Research and Academic Education" appeared in 2008-2009. From its first two issues (now deleted from the ESMSJ link), a book was written that was successful in the market of academic publications and scientific research in 2012. The ESMSJ magazine became a permanent online magazine with 2, respectively 3 appearances per year, starting with 2011. On its website I wrote that Econophysics, Sociophysics & other Multidisciplinary Sciences Journal (ESMSJ) provides a resource of the most important developments in the rapidly evolving area of Econophysics, Sociophysics & other new multidisciplinary sciences. The journal contains articles from Physics, Econophysics, Sociophysics, Demographysics, Socioeconomics, Quantum Economics, Econooperations Research, or many other transdisciplinary, multidisciplinary and modern sciences related to fundamental methods and concepts. This article identifies a final moment in ESMSJ magazine and some conclusions of the editor-in-chief with the sadness but also the specific resentment of the age of a pensioner passionate about education and research in equal measure.*

**Keywords:** *Inter-, Cross-, Trans-, and Multidisciplinary Sciences; Econophysics, Sociophysics & Other Multidisciplinary Sciences Journal (ESMSJ), Physics, Econophysics, Sociophysics, Demographysics, Socioeconomics, Quantum Economics, Econooperations Research; Journal project, Epilogue*

## 1. INTRODUCTION

The idea of this magazine appeared in 2008, and its first two issues, which are no more published on the current website of the ESMSJ, ultimately constituted a successful book for our small publication. The book appeared in 2012, at the Elsevier publishing house under the title Econophysics. Background and Applications in Economics, Finance, and Sociophysics. London: Elsevier Academic Press (AP), 1st Edition-October 23, 2012 [1]. I have created ESMSJ in the online version since 2010 and its first issue was published only in 2011. Initially, ESMSJ had 2 annual issues (based on papers selected from EDEN workshop),

and then with an additional or special one (ARFYT). In order to check its quality before publication, I held a series of EDEN workshops and later ARFYT workshops each year. ESMSJ remains my soul magazine or the journal of my heart. I created an opening article and an additional one, the last together with an enlarged team in almost every issue. Initially, the magazine was open to interdisciplinarity and multidisciplinary in order to later include cross-disciplinarity and trans-disciplinarity, and finally even the holistic approach. In all the team articles in which I appear as the first author, I wanted and succeeded in completing more than 70-90% of the research and writing activities. In the rest of the articles, I was part of the inter-, cross-, trans-, multidisciplinary team and contributed with my limited expertise as a statistician, econometrician, economist, and demographer. Everything was done out of passion and sometimes this can be felt through the extensive number of friends, acquired, who are initially found as authors of published articles and finally as members of the scientific board (Ion Iorga Siman, Radu Chişleag, Aretina David Pearson, Sant Sharan Mishra, Hans Schjær-Jacobsen, Mladen Čudanov, Libb Thims, Ondrej Jaško, Ram Poudel, Shinichi Tokuno, Shunji Mitsuyoshi, Ung-il Chung/Yuichi Tei, Wolfgang Ecker-Lala, Doru Pogoreanu etc.).

Great support for their special help to the three young researchers and professors who really helped me without interruption and always with passion: my exceptional co-author Mladen Cudanov [now a mature researcher and university professor at FON, Belgrade], Marian Ţaicu (the editor of the final text accepted in the pdf version), Denis Negrea (the one who took care of the online upload of the magazine, the electronic archive etc.).

Thank you from my heart, my dear friends!

Unfortunately, after I retired from academic education and academic scientific research almost three years ago, it was more and more difficult just for the four of us and no more help from the others, to fight hard to continue publishing ESMSJ. I regret that after 26 issues of the magazine appeared in the last 13 years, I have not identified a viable solution or I have not been able to find someone who wants to continue the tradition of this magazine and take over in a real way the job of editor-in-chief.

This last issue was written and signed entirely by me, having the clear role of marking the end of the magazine's editorial activity according to the title of its last article (ESMSJ vol.12(3) as a necessary epilogue...)

## 2. SOME FINAL REMARKS

The study of such a journal's existence provides a number of scopes to be enquired upon in the future of any scientific and research magazine. These are the following major and final major remarks about ESMSJ:

1. This journal's beginning was interdisciplinary in fact, based on the intersection between economics and physics and therefore further issues became cross-, trans- and especially multidisciplinary not only as contents but also as team research published in its pages.
2. The journal's peer review was based on the two workshops each year (EDEN and ARFYT), and the articles are the direct results of the initial papers and research but also through the dialogues and conclusions after the meetings, improving the quality of the publishing activity in the final articles.
3. The published ESMSJ can be considered not only a result of inter-, cross-, trans- and multidisciplinary research (EDEN) or research workshops (ARFYT) but especially the final conclusions and discussions generated in a multi-disciplinary extended family of scientists as friends. Thus, based on our precious scientific friendships, a new model or a future relevant solution was created among the models of researches in modern universities in Europe and many other geographic locations.
4. Based on the increasing role of inter-, cross-, trans- and multidisciplinary research (EDEN) or research workshops (ARFYT) or on the scientific research in academic education, ESMSJ's role can be incorporated into the provided model for future scientific journals or complex magazines.
5. All scientific papers from ESMSJ remain available for any interested publishing house during my last years of retirement from Academic education. If there are also interested scientists together with

publishing houses for any articles in ESMSJ please write a message and finally, just send it to my e-mail [gsavoiu@yahoo.com](mailto:gsavoiu@yahoo.com))

Some final findings regarding the attempts at foresight or evolutionary prediction can be extracted from the life or existence in time of an inter-, cross-, multi-, and transdisciplinary journal such as ESMSJ [2-3]. I would call these conclusions principles of foresight in the expected evolution of independent scientific journals or stores, with an emphasis on inter-, cross-, multi-, and trans-disciplinary ones.

The first and the most important principle is that of the futility of temporal, co-authorship (both in number and research fields), thematic, methodological, structural and content limitations, etc. which apparently impose themselves in the investigation and education mainly focused on unidisciplinarity. This principle of non-limitation could be formulated in detail as follows:

In any scenario, forecast estimation related to the life and existence of any scientific and research magazine published from passion and nothing else:

- L1: The confidence level (1-alpha) decreases with:
- a) number of variables [authors, domains, disciplines, sciences, inter-, cross-, multi- and transdisciplinary processes];
  - b) inference of estimators [number of authors, domains, disciplines, sciences, inter-, cross-, multi- and transdisciplinary processes];
  - c) the extension of the parameter and its statistical complexity [mean, dispersion, coefficient of homogeneity, test specificity etc.].

Derivatively, the significance threshold also increases accordingly.

L2: In any scenario, the confidence level can become optimal only in relation to the identification of a practical optimal - Paretian solution [eg. 20/80] of the minimum number of variables that ensure a maximum precision of statistically and mathematically acceptable inference.

L3: In any scenario, there is a limit to the survival of hypotheses (in an inter-, cross-, multi- and transdisciplinary approach) of the disappearance of the process or phenomenon in a universal biophysical and statistical-mathematical sense.

In the scientific universe, like the biological, natural or physical, hypothetical scenarios are born and die successively at the contact between past time and future time in a continuous and infinite present.

### 3. REFERENCES

[1] Săvoiu, G. 2012. *Econophysics. Background and Applications in Economics, Finance, and Sociophysics*. London: Elsevier Academic Press (AP), 1st Edition-October 23, 2012. <https://doi.org/10.1016/C2012-0-02286-7>.

[2] Săvoiu, G. 2015. *Statistical thinking: the contribution of its research methods and models to modern trans-, inter- and multidisciplinary*, Bucharest: Editura Universitară, DOI: 10.5682/9786062802752.

[3] ESMSJ (<https://esmsj.upit.ro> or Home (upit.ro))