FROM SCIENTIFIC FORMALISM APPLIED TO A REASONABLE ANALYTICAL. A STUDY OF THE METHOD OF FORMING ROEGENIAN ECONOMIST STUDENT (NOVICE RESEARCHER)

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Abstract: Prolonged crisis, which may be a continuous (type creeping, twisting), at a level acceptable to states in case of Romania, is observed in current academic discourse sent the young generation, which do not depart from or at least, and definitely not always keep a distance from common speech and rhetoric against politicizing discourse. Declarative speech about the superiority of the Romanian education is obsolete. Sometimes persistent confusion / mix between what was and what is (between past and present), which serves current and future generations, including the political elite in power or dominant position in the future will take a relatively closed circle, according to the theory of Vilfredo Pareto elite rotation. The task which we assumed by this discourse, to show the formation of economists with appropriate training needs of intra-Community market, but to serve the interests of national communities is not easy. It is understood, in fact, because it is found only sporadically in the public speeches of politicians, but not in academia. Methods of taking out, by imitation, without revealing critical communities not served by human individuals in these areas and, paradoxically, not a united Europe. Currently, the real truth is that Community funds are allocated, including human resources development, without showing results.

Keywords: economist students, crisis, education, alaythical study, researcher, Roegenian

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1. Our position on where we stand

The topic of public discourse is at the crossroads of its own ethical and professional concerns of the speaker concerned. What is more fun in such an important event as the present, than to share our concerns and thoughts, to return from what we have offered or have received from our ancestors? We will, in an intergenerational spirit, the method using Roegenian the work of the teacher of economics. We know that Nicholas Georgescu-Roegen was very demanding and at the same time very close to his students (Muhamad Yunuf, Kozo Mayumi, Speech DHC, 2008, West University of Timisoara).

Speech that we propose it is complementary to said late last year in Oradea. Experience in different positions / functions and concerns of the last four years, with the management team of West University, have led us to choose a topic of current student preparation economist who uses or, in another formulation, entropy economic academic discourse can be assimilated by the young researcher. This view is close to the method (ic) of Nicholas Georgescu-Roegen training and adequate national cultural matrix of which were occupied illustrious predecessors: Constantin Radulescu-Motru, Dimitrie Gusti, Noica and others.

Prolonged crisis, which may be a continuous (type creeping, twisting), at a level acceptable to states in case of Romania, is observed in current academic discourse sent the young generation, which do not depart from or at least , and definitely not always keep a distance from common speech and rhetoric against politicizing discourse. Continuing crisis, generated by a cluster of terrestrial globe by a growing population and with limited resources, will still be maintained by asymmetric exchanges, especially on the (State) Agricultural - (State) Industrial, which reflected the centuries Romania.

Romanian economy to jump to a higher stage - like "Asian tigers" - is becoming increasingly difficult if not first and foremost benefit of an educated population, a critical mass of elite people with the ability to bring Romania the crest of the wave of globalization, a highly skilled workforce competitiveness stakes assumed, according to present needs.

Declarative speech about the superiority of the Romanian education is obsolete. Sometimes persistent confusion / mix between what was and what is (between past and present), which serves current and future generations, including the political elite in power or dominant position in the future will take a relatively closed circle, according to the theory of Vilfredo Pareto elite rotation. The task which we assumed by this discourse, to show the formation of economists with appropriate training needs of intra-Community market, but to serve the interests of national communities is not easy. It is understood, in fact, because it is found only sporadically in the public speeches of politicians, but not in academia. Methods of taking out, by imitation, without revealing critical communities not served by
human individuals in these areas and, paradoxically, not a united Europe. Currently, the real truth is that Community funds are allocated, including human resources development, without showing results.

Subtle task of preparing a workforce with entrepreneurial skills is a challenge for academia, but one that does not take into account just the basic function of higher education that was, is and will be preparing young to understand, explain and to innovate. Strictly speaking, for a university are today two fundamental requirements: first, appropriate future management plans and revising the curriculum to strengthen the core academic function, the second, introduction to research methods and analysis of reality, with establishment of partnerships between universities and business environment. So it is a balancing of several objectives, among which may be some short term. It is important how we approach these goals and determination to maintain balance. The initial step is to make a qualitative leap in the way young researcher training, targeting student since I need the first course taught students to be made a qualitative change in thinking training by learning the methods of observation surrounding reality, the transition to systematic observation and toward synthesis.

But who takes the first course - change to ensure high school scholastic method, required at this level, but the academic inoperable - is key. No curriculum and no record of discipline do really solve the problem.

Discourse on innovation in the economic and systematic research on Romanian economics is another declarative and sporadically. At the top universities and institutes of developed countries, current innovation performance, from technical to social science is done in interdisciplinary groups, the think tanks, in groups etc. beta. Learning is a flexible one in which a student can choose between academic courses, taught at various universities. Students can take any courses, and not some random set, according to the structure of teacher training, which require their own courses. A dean of technical higher education found in a few months ago, that some teachers currently in the 80 courses of the last century. Neither machines are no longer appropriate that period, as economic relations - as a field study of the economist - are not those of the past.

Similarly, some economic instruments are not appropriate, and inciting students to individually selfish behavior is not sufficient in an urbanized society. Retrieval process is necessary in explaining empathic behavior (need of human individuals) integration type individual with a real community. This need is only rarely mentioned economic university courses, while empathy is the main method of teaching the sciences have not. The physicist has no electrons can ask why not jump in a certain direction.

Empathy is not understood by the teacher, and sometimes lack the university's achievements of the material is transmitted (unintentionally) students without requiring them to get in touch with the needs of the academic expertise of local real economic processes. Proof: stage of explanation, the university level work
validated by international, financial crisis and lack of productions, national, moreover, speech goes into the bottom of a bag, for an agricultural country, a problem that rezolvaseră Our ancestors, from the time when Constantin Radulescu-Motru go to study abroad after bad experience with trade convention with Austria-Hungary. Speech for students economists, and possibly other students, such as "You be like Bill Gates or a successful businessman in Romania", sometimes subliminal messages transmitted that consonează with the wishes and needs no ethics professor, in terms of academic knowledge can be more than a psychological impact, not to abandon the struggle for existence. Speech for student economist must leave and return from understanding the interests of human communities. At the same time, you can not ignore, the tendency to a speech of Professor individualistic, driven by selfish gene (Constantin Dulcan, the introductory study, Works, I, 2011, Manoilescu), the urban poor society today. It is necessary for students to be channeled, in the process of explaining academic empathy, for understanding local and regional interests, and not for the selfish (to maximize profit), in which nothing is to prove (Georgescu-Roegen, 1971).

Since the first semester for most students "beginners", proper research of local economic processes may be a trivial, but fundamental, because these future communities and economists explain behavior in relation to local - and not vice versa - private behavior companies. 15-20% of economists will be channeled to a leading applied research, with some nuances to the theory (generalized non-contradictory). A small percentage of students will follow the career of scientific research (PhD). Therefore, economics, research and innovation are essential basic economic processes.

Usually, after the first semester, the student has no understanding economist types of business processes (in number, while in line) and no concept of optimal economic (Manoilescu, 2012/1938, Georgescu-Roegen, vol IV.1, works, 2000). Therefore, there is a reference point to which to further integrate other knowledge. N. Georgescu-Roegen has split this analytical process for understanding economic and scientific research results can serve peak. Discovery of micro-credit by Muhamad Yunuf this logic is based on analytical, not be abandoned. Rather, it must be found early university. This level of training to understand economic processes in the communities, which integrates business activity, is fundamentally positive development of communities in the European Union. From understanding this behavior can evolve companies, and not vice versa. Capitalist society, individualistic, selfish, is exceeded as a possibility to provide feedback to the crisis and the relative lack of mineral resources (David Korten, 2009, for example).

It appears still need to separate the common observation of reality prevailing fragmentation (gregarious) society, which is acquiring and / or outside academia authentic form of learning communities to observe common trends. Any serious
scientific testing (reckoned) is required to pass the test of scientific observation of the reality surrounding the integration of human communities in a friendly way. In social sciences, paradoxically, empathy is more consistent analytical tool (powerful) in understanding reality, as argued, than instruments of sciences (Georgescu-Roegen, 1971).

Understanding statistics in the stochastic reality, "quite busy" with human individuals and companies, is a way to live in the analytical plan. Entrepreneurship training (D'Estaing, 1976) is now out of date. Therefore, economic university training is needed to recover, compared with type industrialized society, a gap of two levels of entrepreneurial and statistical thinking (Prince, 1976). But reality is another. In social science doctorates were still used and still use questionnaires usually do not pass the test of statistical representativeness. Doctoral leaves, usually at the urging of the Ph.D. supervisor desk and undifferentiated empirical approach. Formulate a set of questions, without covering the main features and sometimes without control questions. Share this questionnaire on a "first come" / "met" or sometimes in a community which has fixed boundaries, the requirement to receive as soon as the answer. A more acceptable alternative to this approach, usually found in sociology, is the analysis of a monograph or parts of a social collectively. In this case pass a test in the entire integration (Georgescu-Roegen, 1971), which is the principle of system approach in other forms. This is the stage that needed reforming method of learning for teachers and students simultaneously economists Roegenian suitable method.

A critical discourse about the increase in economic entropy, therefore, from the economics profession may seem flat one. Weather discourse smooth sweet nothings about the need to reform the method in economics, passed. The crisis shows that only the most pressing need we change, and not voluntarily. This need is present. It takes a critical discourse, but constructive, operational solutions, and not type neoclassical type marginalism, the national being and needs of regions (NUTS II) in the European Union not to be found both in economic development strategies and plans national social custom-written by "experts-experts". If sectorial operational programs, complex and lengthy, to attract structural funds, which do not converge in development around regional clusters, as it happens throughout the European Union, is a significant example. N. Georgescu-Roegen's article in February 1990, the New York Times, "Romania needs help, not advice" was and is valid also for the Romanian economy, but also for intellectual environment1. The economy should be able to provide, from the perspective of social sciences, training of economists, sociologists, philosophers, logicians, and technical and exact sciences, training of engineers, chemists, physicists, doctors,

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1 The three letters of N. Georgescu-Roegen from that period, received from the Petre Roman Government, one of which is "missing", are an example of national inability of using the expertise of the diaspora.
all these specialists with proper training academic approach. Last two professions can collaborate to identify the matrix of thought of the Romanian people, which is a current topic for research leading social science. From the academic perspective, this is a permanent task.

What happened and what happens now? As shown, groups of teachers offer different specializations (increasing number), which lists a large number of disciplines. No scientific research institute and any pedagogical project examines the critical relationship between these specialities, which tend to become more numerous, according to the existing teacher training. Lack of education research as a process of production, the product is a student "whole" playing society, with proper training and proper disciplinary perspective, and not one of growing knowledge base that is not socially useful (not use to anyone).

Therefore, projects ideas, for example, are not found among the winning projects proposed synthesis - perhaps the most important way current economics. They are missing or are misunderstood (read unacceptable level empathy) and are rejected by experts, because it does not fit the smooth progress of the lack of concern of those experts. Winning and losing only reading titles of draft ideas of PN II we give a fragmentation of research in social sciences. Maybe that's why the new paradigm proposed by the science of complexity (Joseph Tainter) it must be considered every social scientist.

Now fashion appears to organize public-private meetings, to get closer to the empirical side of the subject matter of economics. Public-private partnership is designed, if used correctly, to attract funds for the proper formation of behavioural economists (the societal), not to indoctrinate or manipulate with selfish mentality, "to be the best "tax collectors. This behaviour and inappropriate application of monetary instrument in maximizing profit generation led to the current crisis. Approaching business is sometimes bad, because only one subject-distance allows a neutral observer (an objectification) is allowed as long as human beings.

Correct entrepreneurial mindset training itself is not achieved in meetings "direct" business people, but the understanding of local needs - task baseline survey of economists (M. Manolescu, 1938, in Works, vol. II, in preparation, Romanian Academy) - in collaboration with engineers of different specialties, biologists, physicists, chemists - which provides a strong connection within the meaning of physics, of humans. These meetings are only skills test formats. To stay in the field, physicists approach the electrons, not grab them directly, but I noticed through a system of equations. But they always reads unified field of physics, with each new discovery important to have a common understanding. Uniform field of economics is the community, with large corporate type of specific behaviour.

Business caste is segregation - emerged in the last two centuries - the human communities that endure for millennia in different evolutionary forms and those forms will endure after its disappearance. In fact, the analytical approximation is
necessary to make the corporate mind's eye as "close to the people" or asymmetric segment (business) can lead to a dangerous empiricism academia. Powerful a sociologist at the University of West cast a curse on sociologists, those who have entered the political class or have become a necessity unhappy taxi drivers were called specialists sociologists, the correct meaning of the term. A surgeon cannot profess not work. Questionnaires given representation in the study may have utility in the value of university supply and demand professions workforce, they confirm or not some scientific hypotheses. Mimicking the businessman, thus using "discovery learning" is not applicable in economics, because the field is dominated by the aim of maximizing profit (total), quite simple and does not require a university education, which is supported by the selfish gene, which can trigger unimaginable performance, whether that purpose is stated or concealed spot hidden marketing campaigns, labour recruitment or lobbying. Based on a minimum collective rationality, this goal can be denied in the Hegelian sense, the sense of minimizing and qualitative leap in a positive integration of individual interests, in normal human beings.

Students, if present at meetings with business people do not understand what is happening, apart from desire (not need, which is found within the boundaries of economics) hidden to imitate, in order to have a normal material prosperity, which still missing. Justification of the undeclared intentions, sometimes unexplained subconscious and teachers, not economic science serves. Practical activities appear to be necessary only after the student reassembles parts of the economic process taught by the teacher or missing from a complete puzzle. Simulation supports accelerated this process so that it will accompany the formation of West University students. Equipment of laboratories Advanced Environmental Research Institute (ICAM) and some departments of the Faculty of Economics and Business Administration with systematic preparation software will support the student in understanding - the company visits or short work, yet practical - reality of the economic process. Rapprochement student common understanding, without giving academic instruments - principles, methods, stochastic analysis type, and the empathy is the strongest - it leads to confusion. Part of a new product can appear weak academic quality.

There is some academic enthusiasm, to imitate the West, similar to that found in recent decades in Romania, easy to accept and use (without checking the quality) of western goods, manufactured under the brand "bon pour l'Orient". Critical analysis of own-consumption relationship domestic production, a fact that our collective welfare, we could save to ingest (accept) counterfeit goods, a poor quality level usually. Example of Hungary's trade balance surplus early 1990s, still maintained, is evidence of understanding by Hungarian economists of this relationship.

Effort to move from this state of affairs, the economy and national economics, is possible only through systematic observation and by an effort of synthesis.
Meeting with Professor Kozo Mayumi was a "breath of unpolluted air" for economic academia in Timisoara. It was a contact with reality Roegenian, studied for four years of Japanese professor at the University of Tokushima. The first significant question of the teacher in the land of Romania, where his mentor was born, was a Roegenian: why teach courses in economic faculties’ nonstandard economic science? Teacher failed to tell and that these courses are "no significant scope for the Romanian economy". His resignation from the World Bank Joseph Stiglitz (1999) also relates this discourse neostandard unenforceable, for example, the African economy.

Since scientific criticism (constructive) is less accepted in academic economics - which partly explains the formalism twinning nonstandard economy - it is possible that these findings must be considered displaced, "the parade". I have not yet learned enough of the negative experience of the Romanian politicians and, paradoxically, have the same type of speech - with less sophistry, it is true. Partly, ad hominem argument - meetings with "empirical" in business without observation, measurement tools ready - is maintained predominantly in academia.²

Feeder so by mixing the unconscious Professor of analytical and empirical distinction, a certain indifference or even contempt for systematic observation of economics: the majority opinion, beyond common sense, the economists, therefore, is that I understand "well as economic reality, "though I do not have appropriate analytical training. Common expression "two economists, three opinions" should give pause to specialists in the economy. We cannot make a difference in the operational part of common discourse and in academia (Microeconomics and Macroeconomics) analysis lacks mineral resources, the unidirectional sense of the economic process, and not of the circular, lucrative market, and not of the perfect, the presence of people with different behaviours, because different matrices exist simultaneously, not the individuals and identical imaginary nonstandard economy.

Granting titles is another example that we can approach sometimes formalism. In our opinion, each title of DHC in universities in Romania should cover the services to the academic researcher who accepted. The explanation is related to the fact that the force acts, we go in this situation usually from form to substance. Unlike an economic process, where the technology can be replicated by imitation, in the research, the opposite phenomenon, at least in the upper part of the creative act itself. The explanation for this development "dual", reversed, is related to the fact that novelty is different from formal imitation. Otherwise, it cannot be accepted because it meets the requirement leap, as Nicholas Georgescu-Roegen made explicit.

² An article of professor Jacob Viner from the University of Chicago, "A modest proposal", has circulated in the 50’s of the past century in the academical environment, which confirms the existence of formalism in that period
2. Experience in a solitary economic analytical: the scientist Nicholas Georgescu-Roegen

What is generally a researcher Nicholas Georgescu-Roegen's right? A constant observer of real phenomena and processes, which operate "disinterested curiosity". In addition, he has a criticism, the denial of (Hegelian) of what is in permanent evolution (production relations). Thus, lack of genuine intellectual disputes, including public defence of doctoral thesis in economics in Romania can become a problem. At the end of a conference or congress specialized prestige abroad are extended discussions, changing a rule, the program conference / congress for other activities. Students participating in such conferences / congresses formulate the first questions of their mentors and are encouraged in the room to understand exposures to other teachers. What is more beautiful than to see a teacher followed by disciples (PhD), leaving the rooms of such conferences / congresses and further discussing some topics?

In the first months of 1990, Romanian economists lack the academic preparation was obvious: have not taken public positions, based on results of national research in this area. Today the separation is made between itself and the academic economists 'control' those behind closed doors preparing various economic and social strategies, perhaps too many and unrelated to the minimum between them. In this case, beyond formalism - the old form without substance - not found an analytical level to be measured precisely the consequences, based on a simple model of evolution, and overlaps and gaps in (by) strategies are identified. This is where operational programs prepared for accessing structural funds, in which grids change intervention evaluation interest, and not according to economic principles, which need to be reflected in these documents. The U.S. economic statistics, statisticians, experts are divided on the different levels: some statisticians that provides analytical training for index options, tests, etc., While others choose from these suggestions and apply them with an enviable consistency. Handbook of Methods of Labour Statistics Department of the ministry has the last change (minor) in 1997, and other changes are apparently made before 1989.

In Romania, at the time of 1990, economists have been thoroughly trained practitioners: many of those who were either not exceeded except in situ shock information or did not understand some basic concepts (indexing prices to wages, for example). In Hungary, academic Diaspora gave strong support to form the basis of a new type of economy (trade surpluses since 1990), and in 1993 Hungary became an observer in the OECD, while in Romania, during 2000-2002 revealed just this need for a modern economy.

A possible explanation for this relative inactivity academic is not admissible. That was not removed from drawers before December 1989 manuscripts can be
justified. The fact that I took through imitation operational solutions, as most teams did not economists from other countries may not be justified. After many wanderings, in different places around the world, Romanian economists - who have almost nothing in common with international 2 million Romanian, than lack of economic solutions that affect them - it was possible to build a database most valuable ideas. Establishment of elite academic economists as a counterweight to vested interests supported the plan literally "home economists", it becomes necessary ultimatum. Without this choice, we can say without deviate from the truth, that the economic environment has endured and endure in academics with some precarious times, including the formation of empirical economists (operational level).

Writing alternative strategies before or possibly with the public (official), which may be subject to public debate in the communities concerned, similar to the experience of other countries is an urgent necessity for the immediate future. The solution to the crisis - even if some form of crisis as an opportunity may exist always (generations slaughtered all historical periods) - is the systematic observation of stocks of mineral resources, labour and capital that exist in viable regional and local. Roegenian The understanding of the economic process offers a sustainable tool. The proposal was used constantly by N. Georgescu-Roegen and historical time passed him right in at least two areas: oil shock (energy crisis) and environmental protection. The role of intellectuals, including economist, is the creator constructive (Mircea Florian, 1983).

In the economist's usual sphere known concepts such as gross domestic product, deflator, etc., although they operate constantly. The university level foreign databases contain erroneous data about Romania (the Groningen). N. Georgescu-Roegen's proposal was clear: the creation of simple models based on observations persistent economic processes that have identified three types (line, in parallel, in series, the latter being agricultural, and the worst performing). Hence, the idea unfounded priority to develop agriculture (even powerful); we can throw in the mists of economic history. Significantly reduced labour productivity in the agricultural, industrial compared with (1:5) and reducing the use of labour in agriculture in 3-5% of the total workforce are two major problems (unsolvable), not yet taken into account academic and empirical economists undifferentiated subordinates ministries and public institutions - professional responsible to the political level.

The cry "to fight" academic building national strategies (not merely formal descriptions, meaningless prevail - to see than 4-5 main strategies, including

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3 The lack of experts yet from the 1990’s is true. At the conception of the first free trade area project in Romania, an expert of the Foreign Trade Ministry (ministry closed with no constitutional justification from the perspective of national interes) mistook the free trade area for customs warehousing, and a general executive (to further become a minister), followed a specialization course at a prestigious university in the US, did not understand the indexing relationship between prices and revenues. Not even nowadays, is the situation any better.
From scientific formalism applied to a reasonable analytical. A study of the method of forming roegenian economist student (novice researcher)

research, development and innovation, to identify lack of basic correlation) is given recently (end 2011) the site of structural funds, a private firm, primarily interested in to maximize profits, not to identify and represent the collective interests of national and / or regional. This is the result of economic training: we sow the wind and reap the storm. Without identifying the 40-50 performing industrial sectors that can add value - high wages, other revenues and not ultimately profits for private investors, the new session may be a failed structural funds (Michael Manoilescu, Works, vol. I, Introductory Survey). The Roegenian to include mineral resources, the full cycle of their use is one that can connect them with the manoilescian style.

Lack the conscious process by trainers empathetic social scientists associated with failure to establish the level of theoretical economics, is a record. The example given by Alan Paul Samuelson, the intellectual challenge of mathematicians, by Stanislaw Ulam, in an attempt to prove the theoretical level (at least point) was a necessary but not sufficient one. Comparative advantage is, in fact, simultaneous application of two basic economic principles: the minimum effort and cooperation. Other basic principles, those of the collective interest, rationality and fairness, are found and are not contrary to this principle (Introductory Study in Works, vol. I, Michael Manoilescu, 2011). Intuitive argument, in the '70s, made by Alan Paul Samuelson, later proven analytical demonstrations, shows no systematic bending towards understanding empathic process.

Roegenian method is an effort of the author guy Prometheus (N. Georgescu-Roegen), use and gradual withdrawal, while the mathematical apparatus (complex) type formalized. Lack of understanding Roegenian method, published ahead of his time, even by some researchers approach, such as Professor Samuelson, is reflected in the dual response to a question from Professor Kozo Mayumi this American professor and researcher about the fate unjust work Roegenian "Life is hard". Roegenian method is an application and a higher quality development plan manoilescien method, as a tool to be used, especially in operational research from the Institute of Advanced Environmental Research UVT.

3. The Romanian experience

In the interwar period and after Romanian economic research ranged from an attempt to "break through" to the international visibility and "controversy" located in the Balkans, Southeast Europe. (Mircea Vulcanescu - Towards a new economic medievalism, 2009). Today, the situation is similar. Students who learn in the first universities in Europe and recorded courses and seminars can always return to their opinions and they can reformulate (social hysteresis). Important is the result, the test validated the reality: what you know and especially what you distinct from
common sense? Can you explain different reality, and in a superior, to the explanations given by the common man (Milton Friedman, 1953)? No risk to enter the empirical distinction, adding and subtracting the amounts in national or local budget and making different assumptions they make and nimble minds of a businessman became minister (Secretary of State)? Or changing reference point’s rate and providing explanations they give any speculator?

Working in a team is not a specialist in financial engineering in the sense of being an economist Nicholas Georgescu-Roegen. Annual mass of trained economists is necessary that a significant number (growing) communities to become economists, to observe behaviour (trends) of these communities and explain the social interdependence of private businesses, the needs of communities, participation of public institutions, regional decentralization, etc. Regardless of professional position in one of these areas of activity, economists must have the same collective perspective on economic development of society. Only then will reduce views to the contrary, and economists will be able to communicate within the meaning of Bertrand Russell, in the same direction (right after Georgescu-Roegen) and in the same plane, and not in another parallel. In this case, the question in October 2008 by Mario Giampietro (research professor at the Autonomous University of Barcelona, which uses the Roegenian) seems to be justified: "What do economists with over 15,000 graduates each year in Romania?"

4. What to do in academic training as members of "Agora"?

Two key findings are: the University of West we have a research fund for the students daily (young researchers) of more than 160,000 hours each year over 40 million hours. What we do with this time? We will use appropriate? Otherwise, the national time is wasted, a limited supply of resources. Appropriate use of these hours may mean retention of at least 1000 annual reports, of 200 undergraduate thesis, dissertation thesis of 130 and 80 doctoral theses to participate in innovation solutions found in Strategy Scientific Research UVT. These valuable works need to be reflected in future University site. Work professor differential is justified by preparing all students and obtaining such results. Otherwise, it is activity type of highly entropic. It is known that entropy cannot be avoided, but reducing to a minimum is an ongoing objective for leading academic research.

Lack of stock-flow relationship, the model Roegenian the correlation between developments according to requirements of national economy by 2050 (lasting until the young professional working life of today's student) and formation of a Brownian motion of specialists, but not directly on the profession We throw in another conscious waste that is not a probabilistic type - which could be reduced in the Law of Large Numbers.It is true that a waste primarily conscious or
unconscious is an entropic. But it is a selfish type, which is not suitable academic training or academics.

A simple solution: prepare student grouping directly on each job, according to a structure for each program and aggregate national studies to verify the need for specialists overlap over the entire national economy for the next 20-30 years. Testing skills / skills is a requirement would be moved to high school level, and it should precede the first half. The idea that young people are too "cruel" is not justified as the average level graduation marks the masters of the economy, with the average over a point of the cycle, does not justify the qualitative leap in fact "mature" professional "same" human individuals.

These thoughts are addressed to student’s economists and the non economists. The subject of economics is "the joy of living" (N. Georgescu-Roegen, 1971). This object can be easily extended to other social sciences, the non-material plane, and the sciences.

In essence, you can organize simple solutions for training students and non-economists economists:

- shock the cycle method, the first semester (Alfred North Whitehead) gradual transition is not justified. Reformulation based on the requirements of subjects like mathematics, micro-and macroeconomics, adequate operational needs of the national economy. Recognition by Professor Joseph Stiglitz method for restricting the use of other cultural matrices different from the American type (Western), cited above, is testament to this need;

- integration of information from semester to teachers through a process of synthesis and separation information starting from the "common sense" than in the analytical plan. This difference justifies a diploma academic;

- it is necessary for a student to wear an address different from that of the common sense. This is the justification the fact that many students, over a century ago, universities were seeking "to suit them". Constantin Radulescu Motru, for example, passed the academic training period abroad at many universities: on the one hand cannot find the information they seek, and on the other hand, research method, and subject studies can they were not the appropriate;

- return to ethics. Religion began to be taught at major American universities, in an effort to understand the different cultural matrices constructed in which these religions. Studied the cultural matrix to which it belongs and which determines the formation of a religion and ethics can support the object correctly and precisely measured with a stated goal positive (N. Georgescu-Roegen, 1971). No religion has made other demands on the secular ethics. After religion, its beliefs on the (unjustified beliefs analytical), is the dual of science;
• learning work in interdisciplinary teams: the mere hearing of the Economics Students from other areas of information helps to understand "technology" every economic process, including the human body, regarded as the economic process;
• amphitheatre is an economic process. If you think this is permanent, we have to solve real problems (we have it). Family is a complex socio-economic process, perhaps the only that matters in a company in an entropic disintegration type. Transition from undifferentiated bands urbanized society requires empathetic type understanding of these processes (Constantin Dulcan, the introductory study, Works vol I, M. Manoilescu, 2011). A reverse trend (N. Georgescu-Roegen) seems to be entering a historical dead end.

5. Some assumptions and openings

Milestones, which transpire in the argument above, the formation of elite academic economists and those in the operational plan, can be systematized as follows:
• An acceptance of a clear need: cooperation and interdisciplinary academic perspective. In this sense, the world runs two processes: in some countries, universities unite to reduce consumption of public funds available to elites, and in other countries, they appreciate the performance, the academic research is evolving toward an issue of substance: interdisciplinary teams are growing. It is necessary that universities in Romania to study both processes and to choose the best way forward;
• Employment of economists with physicists, chemists, biologists, doctors, engineers and agricultural technology field is a necessity. Understanding the economist of each process, or the human being, the plant kingdom or animal, agricultural or industrial process or even the planet Earth - is a goal for capitalist society, and even to the present. Scientist Nicholas Georgescu Roegen effort to understand the various fields specific to a great humanist, is exemplary. Lack of capacity similar synthesis, found at this scientist, can be solved by interdisciplinary teams;
• Understanding the process of academic in a university as part of the economic process. Lack of links between universities, between different specialties, produces a huge damage to national economy;
• Establish correlation between universities, the enrolment figures by specialties and professions detail. Calculation of stocks and flows of specialists and workers according to the projection of the economy and the establishment, within each program of study directly to the profession of specialists, not general knowledge in teaching remain undifferentiated (general aberration
misplaced, AN Whitehead, in GR, 1971), are an application of accurate measurement method defined in Roegenian;

- Projection of national economy sectors, using a model (own), is a matter for each university that has the economy in the curriculum. The fact that we see this need not mean that it does not exist. As indicated, physicians do not see electrons and, historically, a change (it) the representation of them: from a sphere to a system of equations. Economists should see all these needs as simple equations, but these have an immediate application and warrant differentiation from other social science professions and science;

- Approximation of priority applied research, the observation of real processes, especially for young researchers. Most will continue to observe these phenomena, and few (as necessary) will get the analytical processes and observed phenomena. Society needs not only genius, but no mere imitators of successful people who can handle such a mass become as specialists "house" of interest policy, separate from the collective interests of population groups and the national

- A final example: in 2007, the first check of the "Platform for interdisciplinary training and research Nicholas Georgescu-Roegen," the team control (Thomas Professor Leonida Dragomir from the Polytechnic University of Timisoara) asked somewhat puzzled: what economists can make as viable activities, along with other professionals? Expected response to left and came with a counterexample: no cost-benefit analysis, to include environmental variables, generated in infrastructure projects in Portugal damage greater than the amounts drawn from the European Union. Example Portuguese colleagues, I took the red lantern regions lagging behind in terms of economic and social development was not positive.

Qualitative leap in training economists is a necessity. Roegenian method gives a precision analytical tool that was validated in the last four decades.

**Bibliography**