ISSN: 3049-7159

Review Article

Journal of Business and Econometrics Studies

To the Question of Planetary Money

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Received: November 29, 2024; **Accepted:** December 10, 2024; **Published:** December 16, 2024

ABSTRACT
The on the basis of a single physiological bioenergetic constant for all adult inhabitant of the planet Earth. It is equal to the daily physiological energy needs of an adult and is 3000 kCalories (12550 kJ; 3,48 kWh). This amount of energy is retained (stored) by 1 kg of grain wheat (3030 kCal - 1 kg of rice) in the of a potential chemical reaction of "burning" carbon with oxygen. The name of national currencies is preserved and each of them has its own national bioenergy equivalent. The introduction of such money into the planetary economy would ensure peace and Tranquility on the planet and, of course, economic stability.

Keywords: Planetary Money Bioenergetic Constant as A Daily Physiological Need Grain Wheat, Estimated Wheat, Cost, Material Bioenergy Measure of Cost, Unit of Measure of Cost

JEL Codes

Introduction

For almost the 4th century, economists have been "shaking" our heads with pseudo-economic theories about the supposedly fair production and distribution of goods and services for us, the common people of the planet. Even in the first two centuries, they were not yet aware of the cycle of energy in nature, but already in the last 2 centuries, the law of conservation and transformation of energy is already being studied in schools. However, for economists of all schools and shades, he did not become the main thing in their theories. In the 18th century, French physiocrats already realized where material profit comes from - only from the "field". And if economic science developed in this direction, the earthly civilization would not have so many wanderings, destructions, wars, etc. However, British imperialism, controlled by satanic societies, "ignored" the ideas of physiocrats and directed economic development to an antagonistic path [1]. For scientific visibility, a virtual economic science was gradually created, starting (let's say) with W. Petty and A. Smith and then thousands and thousands of others [2]. For such pseudo-scientific economists, the law of conservation and transformation of energy was not yet known. However, why did K. Marx and F. Engels ignore this law? **This question?**

As a result, they "modernized" the economic science that existed before them and began to promote this model of the economy, which did not improve the lives of ordinary people, but generated all kinds of enmity between the nations of Europe, which was beneficial only to economic fraudsters. Seeing that theory does not correspond to practice, new pseudo-scientific theories are created to at least temporarily divert the attention of the masses from the existing economic chaos. For example, marginalism, institutionalism and dozens of other economies. And it is impossible to return to the theory of physiocrats: the financial international prohibits it. At the end of the 19th century, S.A. Podolynskyi (1840 - 1891), a Ukrainian, a doctor by profession, proposed a bioenergetic approach to determining the value of goods and services, that is, he actually made the ideas of the physiocrats more specific. In his works on the economic topic, he showed with practical examples that human labor contributes to the accumulation of energy (atmospheric carbon) through photosynthesis by plants and especially cereal crops. In other words, you can say yes, solar energy (photons), water and carbon dioxide grow plants, and man only helps in this process. Therefore, work cannot be a source of additional bioenergy (surplus value - in the wrong Russian translation). The term "added value" is factually incorrect and incorrect translation. "Additional bioenergy" would be more correct, because the term "cost" is inherent only in the production process, and additional bioenergy comes from outside and is a reality, not some kind of mysticism.

It is known that S. Podolinsky met with Marx in London. Later, he sent him his book "Human labor and its role in the distribution of energy" [3]. Judging by Marx's synopsis of this book, he treated Podolinsky's idea somewhat neutrally, without

Citation: Mykhailo Govorukha. To the Question of Planetary Money. J Bus Econo Stud. 2024. 1(6): 1-5. DOI: doi.org/10.61440/JBES.2024.v1.44

admiration (I have this synopsis - Gov.). But it is not surprising and understandable, because if we accept Podolinsky's ideas, then all those pseudo-scientific economic accumulations would turn out to be misleading and worthless.

Engels could not stand this and expressed his indignation in two letters to Marx [4]. In the first letter, he scoffed at the ideas of S. Podolinsky, thus demonstrating his superiority, while in the second, he had already seen through (probably his conscience still bit him).

"... Returning once again to Podolinsky, I make the correction that the accumulation of energy in the form of work actually occurs only in agriculture: in cattle breeding, in general, the energy accumulated in plants is only transferred to the animal; it can only be about the accumulation of energy here because, without cattle breeding, fodder plants would wither without benefit, and they find use for it. On the contrary, energy is only wasted in all industries. It is possible to take into account, most of all, only the fact that plant products - firewood, straw, flax, etc. - and animal products, in which the energy of plants is stored, receive a useful application with the help of processing, therefore, are stored for a longer time, than if they were left to natural decay. Thus, the long-known economic fact that all industrial workers must live at the expense of the products of agriculture, cattle breeding, hunting and fishing can, therefore, if desired, be translated into the language of physics, but this is unlikely to be off much use." [4]. For whom?

Of course, there will be benefits for ordinary people. He couldn't do without a spoonful of tar even here. He had another task: not to do good to ordinary people, but to incite and provoke the nations of Europe to civil wars.

"In my opinion, it is impossible to express economic relations in the language of physics... Podolinsky deviated from his very valuable discovery because he wanted to find a natural scientific proof of the correctness of socialism and therefore mixed the physical with the economic."

The Stupidity is Incredible

Here Engels showed his lack of understanding of the cycle of energy in the economy. It is obvious that physical is also economic. All living things consume biological energy. Yes, there is a problem for economic fraudsters, as everything will be measured and calculated.

S. Podolinsky did not complete his ideas with a material bioenergetic measure of value, but still... Nonsense with an additional "value" takes place even today.

According to the theory of the pseudo-classicists, who did not divide goods into edible and "inedible", it came out that food (calories) is produced in plants, factories from ore, metal, cotton, wood, etc., and does not come from outside. It is obvious that people do not create matter by their work. They only transform its forms. Edible energy should be understood as part of the total energy that has biological "packaging", that is, stored in food products, but not in a direct form, as, for example, in a battery or capacitor, but in the form of carbon, accumulated from the atmosphere through photosynthesis. During the "burning" reaction, a certain amount of energy (heat) is released, which is a consumable (wor king body) of biological "engines". In the process of technological progress, "non-edible" energy "displaces" edible energy from production, which makes it possible to reduce the number of workers, transferring them to more skilled work or reducing working hours at the same wages, and thereby lowering prices. The cost of 1 kg of "calculated" wheat (for Ukraine) can be an integral and universal criterion of labor productivity (for other countries, there can be their own national grain culture).

After the 1917 coup in the Russian Empire, ordinary people hoped for an economic miracle, but it did not happen. **There are no miracles in the economy!** If something material arrived in one place, it left in another. This is where the problem of fair and rational distribution of produced goods and services arises. According to Marx, exploitation in the USSR formally disappeared, and profit remained. Where does it come from, what is its source? And here in the economic circles of the USSR "whistling and applause" began. Many people have suffered because of their naivety. **No matter how hard you try, you can't cheat life!**

There was no talk or discussion about a measure of value or some material equivalent. (True, in the USSR, exploitation was such that the damned capitalists never dreamed of it.) As a result, the arms race ruined the USSR, and the permanent revolution did not take place either under the Jewish "flags" or under the Russian (Stalinist) one. An arms race and a consumption race are entropy for the economy. After all, the USSR was a very, very self-sufficient union and, transforming it from the beginning into a confederation of national states, it was possible to build a prosperous life even on the basis of a pseudo-socialist theory, in which it was only necessary to implement an objective system of selecting intelligent state-minded people to manage this confederation.

In the 60s of the last centuries, M. D. Rudenko (1920 - 2004), a poet, novelist, political figure, and amateur economist, actually continued the development of S. Podolinsky's ideas, but did not complete them either [5]. He was severely punished in criminal proceedings for promoting a new economic system in the USSR. After Ukraine gained independence in 1991, he was awarded the title of Hero of Ukraine. **Eternal memory!**

In Russia, the topic of the energy measure of value was raised by P.R. Kuznetsov, B.E. Bolshakov, V.S. Chesnokov, proposing to measure the cost of goods by total energy (kWh), but they never reached the bioenergy measure of cost. The symbolic energy ruble remained a symbol. They did not divide energy into edible and "inedible". I really liked the bold appeal of the St. Petersburg physicist and economist R. Saifullaev Shukhrat about the creation of a new economic theory of physical direction.

Of course, this new economic science should be declared a natural science like other natural sciences. Yes, the human factor is present in the economy, but it is not the main one, otherwise fraud with private property will not decrease in any way. If you are a consistent analyst, then almost all participants in economic processes violate Article 159 Fraud of the Criminal Code of the Russian Federation, Art. 190 Fraud of the Criminal Code of

Ukraine. I think that there are such articles in other countries as well. Strange: when fraud is for small amounts, it is a crime, but for millions or billions, it is normal. To normalize the situation, something needs to be changed - either codes or economic systems. The integral reason is that each seller and buyer "have" their own measure of the value of goods and services.

Now About the Main Idea of The Article

A single national (for every country on the planet) algorithm for calculating the cost of goods and services can stand in the way of this negative phenomenon. I have a higher electrical engineering education (with honors) and therefore an engineering approach to economic issues makes it possible to find solutions that orthodox economists with their twisted (scholastic) worldview cannot solve. For example, chaos with pricing, inflation, corruption, fraud on a national scale, banditry, financial pyramids and "bubbles", crises, international conflicts, bank "robbery", all kinds of phobias, etc. So, let's start with the truth that all animals and people too (that is, everything that moves and grows) are biological "engines".

It is clear that engines need periodic refilling with consumables. These values are equal to physiological daily needs. For adults, it is necessary to consume up to 1 kg of oxygen, (1.5 - 2) l of water and 3000 kcal (12550 kJ; 3.48 kWh*hour) of energy in the form of nutrition (food) per day, sleep and toilet. If one of these components is not available, then the biological "engine" will die irrevocably (we will not take religious mysticism into account). This bioenergy value of 3000 kcal in all countries can be legally accepted as an economic constant of, Depending on the geographical latitude, it may change: for tropical latitudes, this constant will be lower, and for middle and polar latitudes, it will be higher. They can be compared through constant coefficients. For example, suppose that the yuan is equivalent to 1 kg of rice - 3030 kCal, hryvnia - 3000 kCal, then 1 yuan = 1.01 hryvnia, etc. I propose the following definition of national monetary units.

A national currency is a government document that represents the bioenergy economic constant of its country and is equivalent to 1 kg of its national grain crop.

In the Constitution of the Russian Federation (Article 75) and the Constitution of Ukraine (Article 99) (and probably in other countries) only the names of the monetary units are written: the Russian Federation (ruble), Ukraine (hryvnia), but there is no definition of them. That is, a kind of mysticism emerges: with the help of virtual paper symbols, large material exchanges are carried out. The law on equal value of exchanged goods is a natural law and must be observed by everyone. Why did these articles turn out to be "incomplete"? Is it not the understanding of the framers of the constitutions and those who accepted them, or is it an evil intention - the question?

At the household level, all adults understand the terms "cost" and "price" of goods and services. But how to measure them - this historical question? In order to save reading time and the volume of the article, I will not outline the history of this issue. The questions of "value" and its essence, the questions of "money" were dealt with by many economists and there are "mountains" of literature, but I did not find a clear answer in large and thick books. S**o what's the matter?** I think that the financial international forbids these economists even to propose something new and, even more so, to change something in this fraudulent economic system. But for this they were allowed to be "smeared" to the Nobel Prize in Economics since 1963 on a par with other sciences (this is for those who do not know the history of this prize). In fact, it is the Swedish Bank's prize in memory of A. Nobel in economic sciences. Let me remind you of the basic principle of metrology: **like is measured by like.**

The entire SI international measuring system has been built on this principle since the end of the 18th century (this is one useful thing of the French Revolution), which is used by all countries on the planet, except for the USA and Liberia and partially by Great Britain.

Every engineer knows that inches and millimeters do not agree well. This also applies to measures of mass and volume. Therefore, the purchase of industrial goods in the USA, where the inch system of measures exists even to our time, is somewhat alarming.

In the existing planetary economic system, as it was many centuries ago, the exchange of goods takes place according to the principle: who will cheat - the seller or the buyer. It turns out that each of them has its own measure of value, which, of course, is absurd. Further. If the value of goods and services is measured by bioenergy per product unit, then the planetary economic constant will be the measure of value. Thus, all the national money of the planet will be equal to each other, since they have a common material equivalent, albeit a national one. This is something similar to national languages: they describe the same objects, actions of natural phenomena, social relations, etc.

What benefits will Earth civilization receive from the new planetary financial system? In my opinion, there are a lot of them and here are some of them:

1. All national money on the planet is equal (of equal value).
2. Inflation, corruption, global economic crises, fraud with private property, robbery of small countries by large ones, etc. are self-eliminating.
3. All wars and conflicts between countries cease, because the trade of goods takes place on the basis of their bioenergy value and a single measure of value for all. In fact, there is no need for an arms race: all nations live by using their natural resources, and through export-import balance what is lacking.
4. Stops speculation and fraud on stock exchanges.
5. The profit of all the people of the planet is determined by calculation, based on their national gross increase in additional bioenergy (food).
6. National tax systems are normalized (without coercion) under the "planetary standard".
7. No unions and associations are needed to protect one's national interests.
8. In fact, labor migration will stop, since wages are normalized by professions everywhere.
9. The amount of money in each country is determined by the gross domestic product, presented in kCal or in kilograms of the national cereal crop (all other edible products are listed by caloric value before it).

Earth's civilization can have even greater benefits in the economic, political and social spheres after the introduction of annual money in every country. **A new harvest means new money**. This idea is described in detail in [6]. With modern technologies, this is not a problem.

One of the reasons for the instability of the planetary economy is that in all countries money is arbitrary. In the presence of annual planetary money, it loses the function of treasures (accumulations) and this forces people to spend it faster in fiscal year [3]. Suppose that the fiscal year in each state begins before the new harvest. If the money remained on hand, then according to the national law, it must be transferred to the state (unified) bank on a personal account. Their total number should correspond to the amount of food remaining in kg of the national grain crop. As a rule, food products are stored for 2-3 years. If the owners of the money do not use it during this time, the state (according to the law) nationalizes both.

It is obvious that the availability of annual money limits banditry, theft, and parasitism. Under such circumstances, the money will not "grow" and the stolen money will be recovered only this financial year. Profit can be obtained only through the material production of something. The national money, which ended up abroad, must be returned "home" before the start of the new fiscal year, otherwise it will be worthless. The problem of fraudulent offshore zones is self-liquidating: other people's annual money loses its value.

About Modern Interstate Unions

Modern interstate unions and organizations (such as the UN, EU, ASEAN, BRIC, IMF, IBRD, MB, WTO, etc.) are organized in the direction of creating a global totalitarian supranational structure, that is, a planetary government. Of course, national states will suffer. An example is the European Union (EU) (27 countries) with its supranational governance structures. There are international contradictions in it. It seems to me that this can be eliminated by national money with a single equivalent of national currency units of countries equal to the bioenergy economic constant.

And finally. I offer all economists a test problem (that's what I call it). Where does the profit come from or what is its source during the barter exchange of goods and services, provided that the law of equal value of the exchanged goods and services is fulfilled? The result should be presented in material conventional units. It is obvious to me that whoever solves this problem has realized (understood) the essence of physical economic processes. Let me remind you that hunger and cold "rule" life on our planet Earth, given by nature.

Conclusions

Based on the presented material, some conclusions can be drawn:

1. An alternative to the world's chaotic economic system, which leads to the self-destruction of earthly civilization, is the paradigm of physical economy.
2. All economic, political and social problems are solved on its basis.
3. The radical "tool" for this will be planetary money, which will establish the equality of all nations and peoples of the planet in economic and political relations. political and social problems are solved on its basis.

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