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Сумський державний університет
Навчально-науковий інститут фінансів, економіки та менеджменту
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**INTERNATIONAL ECONOMIC RELATIONS
AND SUSTAINABLE DEVELOPMENT**

**МІЖНАРОДНІ ЕКОНОМІЧНІ ВІДНОСИНИ
ТА СТАЛИЙ РОЗВИТОК**

**MIEDZYNARODOWE STOSUNKI GOSPODARCZE
I ZRÓWNOWAŻONY ROZWÓJ**

**МЕЖДУНАРОДНЫЕ ЭКОНОМИЧЕСКИЕ ОТНОШЕНИЯ
И УСТОЙЧИВОЕ РАЗВИТИЕ**

Матеріали

Міжнародної науково-практичної конференції
(Суми, Україна, 5–6 травня 2017 року)



Суми
Сумський державний університет
2017

- global natural resources with marginal futuristic ecological value, and are of the first-turn priority to be saved (plants, drinking water, oil, natural gas, uranium ore);
- global natural resources with low futuristic ecological value, and are of the second-turn priority to be saved (seafood, coal, wood, aluminum ore, biomass);
- global natural resources with high futuristic ecological value, and are of the third-turn priority to be saved (clay, glass material, cement material);
- global natural resources with the best futuristic ecological value, and are of the forth-turn priority to be saved (wind power, geothermal power, solar power).

The findings indicate that prevailing part of the global natural resources belong to the Generation Gamma. It means that natural resource endowments are quite enough to meet the needs for three upcoming generations. But, nevertheless, food resources are at risk of exhausting what is going to provoke ecological conflicts within generations.

1. Our common future: Report of the World Commission on Environment and Development: Oxford University Press, Oxford. – 1987. – 416 P.

ALTERNATIVES OF ECONOMIC DEVELOPMENT IN THE INFORMATION SOCIETY

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Nowadays we cannot imagine life without the Internet. We use it for communication, business and entertainment. Information technologies dominate in all spheres of human life.

Priority spheres the information technologies development are:

- communication improvement, enhancement of access and reduction its value;
- creation political, legislative, and network providing.
- stimulation global e-trading;
- self-learning and self-development skills;
- the growth role of information technologies in social and economic relations;
- production of information products and services, the growth their share in the gross domestic product, and increase the number of people engaged in;

– human potential buildup and replacing centralized labor with decentralized jobs, and increasing the number of freelancers.

All this is a sign of information society becoming. Scientists believe that the Information Society is the theoretical concept of a post-industrial society, the historical phase of a possible evolutionary civilization development in which information and knowledge are produced in a single information space. The main products of the information society should be information and knowledge.

The special phenomenon of the last years is „online social networks” and the "open source" principle. Online social networks formed on the basis of services that aids in creation and maintenance of social circles and networks by Internet. As the feature of time is the open source principle. This principle already widely approved in software development, social web projects. It starts to be applied also in creation new technologies and in business organization. Such approach causes formation the foundations global system network sourcing, resources' provision, to increase in the number of freelancers, engaged with information technologies, communications and production of information products and services, it also leads to the growth of their share in the total volume of employed and in gross domestic product.

Online shopping is one of the fastest growing sector of the World economy. E-commerce have become the driver of the economy during the crisis. Thus, the existing global economic system and global informatization with extraordinary speed brings humanity to the information society.

But we are also faced with many questions: the complexity and high cost of transfer of funds, double conversion, etc.; low labor assessment; all kinds of business internet risks. Furthermore, people are less frequently make their own decisions, because of the advertising noise, false feedback and public advocacy.

So, how solve many problems of the current economic system? Our option is Decentralized Social and Economic Network based on p2p interaction with devices, applications, user interfaces, based on open source principle, and usage of a Cryptocurrency backed by real value. This Network is a model of economic system, where the freedom of choice is the foundation business relationships.

The Network may include four basic components:

1. User Interface (UI) - fully customizable UI to suit personal needs and tastes.

2. Devices - is the combination of computers and other devices that can provide computing power, storage or bandwidth for information transfer.

3. Application - programs and algorithms to solve various tasks. It is the core, the basic logic for data processing. This is any functional that can work separately or using Network's facilities, reputation and trust.

Chain technology – is the Data storage, computation and transfer with unified Application Programming Interface.

Universal API will use for accessing user interface or application. Ability to use the services of Facebook, and also connect several ways to display.

The main Network principles should be:

global directory of goods and services; verified users; effective promotion; independent rating system for creation reliable and fair social environment; obligatory the openness of the system for editing, resources, information and technologies exchange with the world.

Network may be useful for:

Achieving the goals and improving the quality of life;

Creation and management of the enterprise or organization;

State aids for the corruption extermination.

Thus, the main purpose of decentralized socio-economic system is to create free economic space based on the peer-to-peer (p2p) technology, to provide freedom to the exchange resources, goods, information and services, based on control by participants in the network and use intra-system monetary unit, which can be converted into fiduciary currency.

METHODICAL FOUNDATIONS OF ANALYSIS OF ENVIRONMENTAL SAFETY WITH THE USE OF THE FUZZY LOGIC THEORY

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Recently, ecological pollution and the related global warming have become one of the most important problems, which solving all the World countries' social development is dependent on. Global climate changes which happen today may be one of the most important sources of the direct and indirect ecological risks for Ukraine's Sustainable Development [1]. The problem of achieving the Environmental Safety conditions requires appropriate coordinated actions of many subjects' of the economic-productive activity. In the system crisis it is quite important to develop integrated methodological approach accounting the properties of uncertainty in problems of Environmental Safety. Thus, the given above led us to a necessity of considering the methodological basis of the fuzzy logic theory (methods of fuzzy sets) for Ukrainian's Environmental Safety level assessment. The advantages of such approach are derived from taking into account the multi-criteria and uncertainty facets of the phenomenon; also, having in mind that the safety remains a non-straight-cut concept, being