

ENVIRONMENTAL STATISTICS

E. Vos'mirko «Environmental statistics: brief history and roadmap for the future»

Keywords: environmental statistics, the Interstate Statistical Committee of the Commonwealth of Independent States, UNECE Joint Task Force on Environmental Indicators, Basic principles for the development of environment statistics, Compatible environmental information system, Guidelines on the Application of Environmental Indicators in Eastern Europe, Caucasus and Central Asia.

JEL: Q50, Q52, Q56.

This article is a revised report, prepared and presented at the XIV April International Academic Conference on Economic and Social Development. Brief review of the history of ecological statistics, international activities regarding improvement of environment statistics is given. Illustrated is work performed by the Interstate Statistical Committee of the Commonwealth of Independent States on collecting statistical data on environment. The paper analyzes questions linked to the work done by the UNECE Joint Task Force on Environmental Indicators.

A. Dumnov, A. Komyagina «Implementing statistical analysis in economy of water consumption in Russia»

Keywords: economy of water consumption, statistical analysis, environment protection, serviceability of water consumption.

JEL: Q50, Q53, Q57.

In the system of organization and management tools aimed at improving environment protection and use of natural resources, key positions now are held by economic methods. This includes a wide range of activities: from introducing and regulating of charges for the use of natural resources, to the target budgetary transfers to the relevant needs, from the accelerated depreciation of environmentally friendly fixed assets, to the total or partial repayment of interest on the target bank loans, special insurance and etc.

Issues of optimum serviceability of environment management hold central positions in the abovementioned block. The role of statistical information and assessment conducted on its basis the necessary parameters is extremely high. This article proposes a number of topical issues on the example of serviceability of water consumption (including the protection of water bodies).

I. Blam, S. Kovalev «Ecological management in ferrous and non-ferrous metals industrial enterprises»

Keywords: ferrous and non-ferrous metals industrial enterprises, ecological management, international standard, pollutant emissions, competitive ability of a company.

JEL: Q53, Q57.

Environment protection activity of ferrous and non-ferrous metallurgy enterprises of Russia in 2009-2011 is analyzed. Discussed as well are questions of introduction of the system of ecological management and new less energy-consuming technologies providing for pollutants emission abatement and competitive growth of companies.

QUESTIONS OF METHODOLOGY

N. Vasilevskaya, N. Permyakova «International experience of carrying out of structural surveys on agriculture»

Keywords: agriculture, complete observation, structural survey, agricultural census, area sample, list sample.

JEL: C81, C83.

The authors summarize the experience of structural surveys of agricultural production in USA, Canada, some EU countries - Germany, Italy, Sweden, Denmark, and characterize the experience of European structural survey of agricultural enterprises. Discussed are organizational and methodological questions of the system of data banks («EUROFARM» project) facilitating compilation of data of the All-European structural survey of agricultural enterprises.

S. Kocheva, A. Goncharov «Selected questions of using SDMX standard on a national and international levels»

Keywords: international standard, SDMX, dissemination of data and metadata, Economic Commission for Europe, Classification of International Statistical Activities.

JEL: F 53, O19.

Special attention in this article is paid to the selected questions of using international standard SDMX (Statistical Data and Metadata Exchange) at the international and national levels. Authors emphasize advantages that will be attained by using SDMX for more effective dissemination of data and metadata, as well as their exchange. Prepared within SDMX framework a preliminary list of subject areas of statistics, based on the most recent version of the Classification of International Statistical Activities, developed by the Economic Commission for Europe (ECE) is described. Projects, implemented by SDMX sponsoring organizations and other entities that give an insight into practical ways of using SDMX and confirm the effectiveness of technical standards, are presented.

MATHEMATICAL AND STATISTICAL METHODS

V. Yankov «Inventories: calculation issues»

Keywords: inventories, final calculation coefficient, vector autoregression.

JEL: C12, C32, E22.

Incomplete information in reporting of inventories and variability of their composition structure in time impede computation of their changes as GDP component calculated by final use method. The article deals with questions occurring in calculation of the change in inventories, presents techniques for calculation of inventory levels with the usage of elements of time series linking method, descriptive and inductive statistics. Offered as well is the approach to estimate the inventories on the basis of vector autoregressive model.

L. Matraeva «Methodology of multidimensional statistical analysis of investment potential indicators of a region»

Keywords: Investment potential of a region, multidimensional statistical analysis, neural networks.

JEL: C45, C4.

This article is dedicated to a statistical analysis of investment potential of regions in Russia. Due to increasing demand for this topic and lack of unified and commonly accepted approach author proposed a new approach taking into consideration investor's interests. A methodology based on hierarchical, non-hierarchical methods and neural networks methods of classification is proposed in the article. Classification results are analyzed as well.

FACTS, ESTIMATES, FORECASTS

D. Kondratov «What are the factors influencing oil market dynamics?»

Keywords: oil market, developing countries, oil prices, price range.

JEL: Q40, Q41, Q42, Q47.

The paper reviews factors driving dynamics of energy prices. Given that the explosive growth in crude oil prices in 2007 - the first half of 2008 was caused by speculations, current drop is not a temporary relief during a long-term boom, but indicates the collapse of bubble formation and a new price range which may exist for a prolonged period of time. Ability of crude oil prices to provide the sustainable development of the world economy seems to become the main principle of price formation.

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