



KURYK M.V.

## FUNCTIONALLY VEGETATIVE ECOLOGICAL CERTIFICATION EXAMINATION AND RADIATION MONITORING REGIONS UKRAINE

(INFORMATION 1)

Doctor of physic mathematical sciences, professor, expert of the highest level of NAS of Ukraine,  
(NSI of physics of NAS of Ukraine, Ukrainian Institute of human ecology, Kiev)

*The data on the growth of primary and general morbidity of children in Ukraine and its negative demographic trend. The necessity of functional and ecological expertise radiation regions (environmental) controls, monitoring functional children's health and its environmental certification.*

**Keywords:** functional and environmental expertise, environmental certification.

*Наведені дані про зростання первинної і загальної захворюваності дітей України і її негативну демографічну динаміку. Наголошується на необхідності функціонально-екологічної експертизи регіонів радіаційного (екологічного) контролю, моніторингу за функціональним здоров'ям дитячого населення та його екологічної паспортизації.*

**Ключові слова:** функціонально-екологічна експертиза, екологічна паспортизація.

*Приведены данные о росте первичной и общей заболеваемости детей Украины и её негативной демографической динамике. Подчеркивается необходимость функционально-экологической экспертизы регионов радиационного (экологического) контроля, мониторинга за функциональным здоровьем детского населения и его экологической паспортизации.*

**Ключевые слова:** функционально-экологическая экспертиза, экологическая паспортизация.

It has been officially recognized that the level of environmental pollution of separate regions leads to significant aggravation of functional health of the growing generation. In this view, the world progressive community is looking for the ways out from the situation. At the same time, the main focus is on the idea that health of the child population should become the top priority of every civilized society. The dependency of a child's health on the environmental factors was officially recognized by the Director General of WHO (G.H. Brundtland in 2002). The UN Convention on Child Rights (1989), the documents of the special session of the UN and the World meeting (2002), International conference of Euro region states (2004) hold the position that children have the right to live in the conditions of a healthy environment. In this view, protection of their health and the environment should become the priority trends of development of civilized states, which requires specific and consistent actions from their governments.

The European countries have developed the program "Children's Environment and Health Action Plan for Europe" (CEHAPE). It provides for: guaranteed right of a child to environmental safety, clean air, fresh water and sanitary conditions of living; effective protection from dangerous chemical substances and physical factors; controlled implementation of the state plans designed for environmental protection and children's health. Starting from 2007, states of the European region started to implement shared actions, among which the prioritized were determined the following:

- creation of the national agencies on development, implementation and control of the appropriate programs for environmental protection and children's health, where all interested sides would be involved (including children);
- increasing the level of professional training of the experts in environmental and children's health protection issues;
- implementation of clear strategy in propaganda, information and appropriate professional education on the program issues;

- involvement of the appropriate sectors of the state economy for program maintenance(education, transportation, industrial corporations and others);
- development of the model of children’s participation in the programs under the current plan;
- monitoring of children’s functional health and transparency of state reports for the international coordination center.

At the same time, it should be accepted that by 2014 there has nothing been done in Ukraine to fulfill its responsibilities... In contemporary conditions, the health of the child population of Ukraine directly depends on the increasing negative pressure, low-quality food products and lack of clean fresh water, technology-based magnetic fields (communication-office-household technologies), and continuous psycho-social issues in family and social environments.

Today, the negative state of functional health of the child population significantly differs from the state we had 20-30 years ago and conditions the problem of “child’s endoecology”. In other words, the negative influence of the environments reflects on the functional-vegetative level, the state of which is the ecological bioindicator of the area of dense habitation of children and requires express means for diagnostics.

Hence, it conditions the necessity in finding the solution of the two contemporary problems: monitoring of the functional health of the child population (vegetative medical examination) and provision, on its basis, of functional-ecological expertise of the settlement. Such monitoring should be provided in the system of education, where day-to-day access to the organized groups of children is available.

Taking into account the modern demands of the state development and preservation of the National Gene Pool, the raised issues in the Journal are urgent, worthy of positive discussion and require attention from the appropriate experts and government authorities. It should be finally realized that contemporary demographic problems of Ukraine will turn into a real demographic catastrophe with far reaching consequences...“The growing danger to national-ecological security has formed the necessity to identify the priorities of the environmental policy at the state and interstate levels...”(*The results of the 3rd Interstate Forum of countries-members of the CIS “Healthy population – the basis of the Commonwealth countries prosperity”, RF, Moscow, 2013*).

Implementation of the program has a direct relation to preservation of the Gene pool of any country, since it is focused on vegetative dispensary examination of the child population and independent FEE of the regions of its dense habitation. At the same time, it interesting to note a significant difference between real indications of child functional health and the average state levels.

### **What do we know about the demographic catastrophe in Ukraine?**

(AiF Ukraine, №46, 2010,6; "Demography. Only 25 millions will remain")

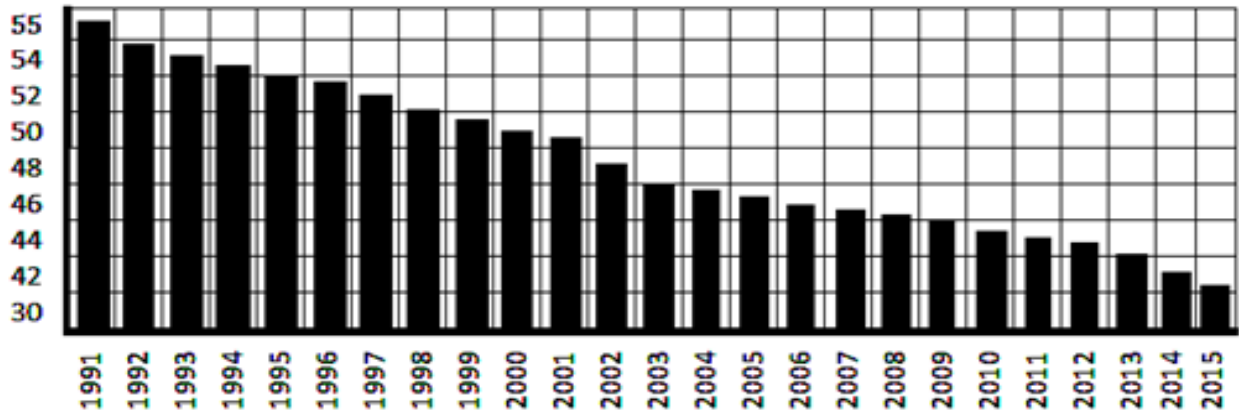
*Question of the correspondent:* “They say that in 40 years the population of Ukraine will decrease to 25 millions of people?”

*Commentary of AIF:* “About the decrease of the Ukrainian population by 2050 Minister of family, youth and sport of Ukraine Ravil Safiulin, stated on the previous week... to his mind, during the following 15 years Ukraine is expected to have negative demographic indications... which conditioned the decrease of population of the state from 52 to 46 million of people”

### Do we know about the demographic problems of the third world?

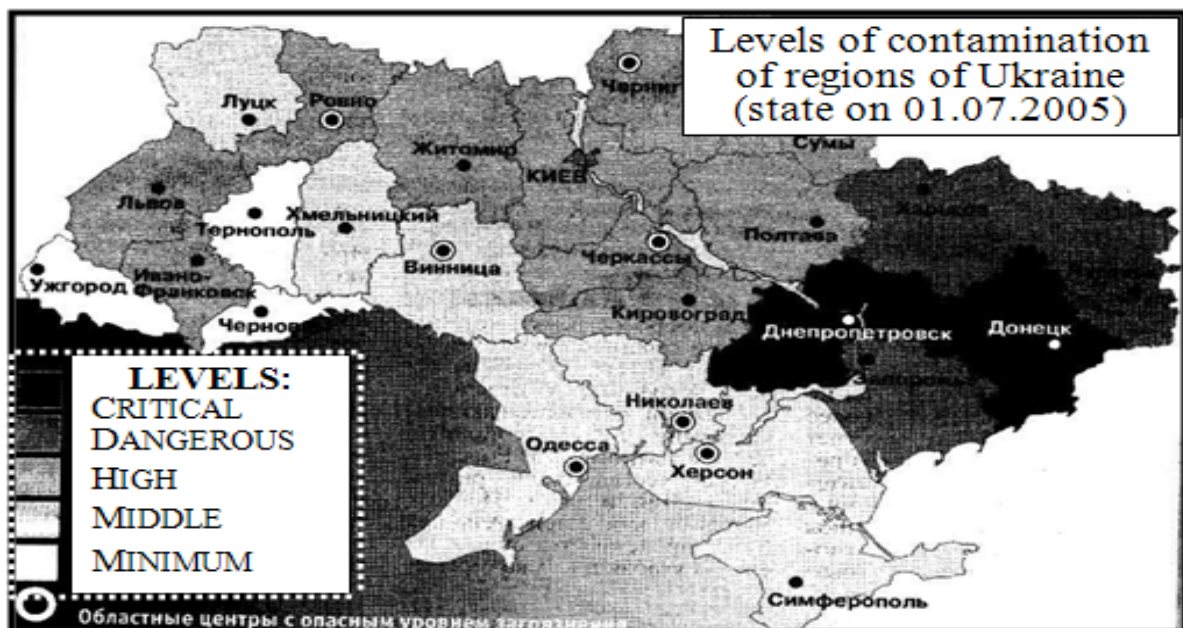
In the recent years on-line publications introduce the original and the Russian translation of the article of W. Engdal "Bill Gates talks about 'vaccines to reduce population'" (04.03.2010) Source: [http://oilgeo-politics.net/Swine\\_Flu/Gates\\_Vaccines/Gates\\_vaccines.html](http://oilgeo-politics.net/Swine_Flu/Gates_Vaccines/Gates_vaccines.html)).

Dynamics of the population in Ukraine during the years of independence



*"...Global Eugenics agenda: Gates and Buffett are major funders of global population reduction programs, as is Turner, whose UN Foundation was created to funnel \$1 billion of his tax-free stock option earnings in AOL-Time-Warner into various birth reduction programs in the developing world. The programs in Africa and elsewhere are masked as philanthropy and providing health services for poor Africans. In reality they involve involuntary population sterilization via vaccination and other medicines that make women of child-bearing age infertile... For those who doubt, the presentation Gates made at the TED2009 annual gathering said almost exactly the same thing about reducing population to cut global warming..."*

### To which world does Ukraine belong and what to do?



In consequence of the Chernobyl disaster a huge area (5.5 mln. hectares) of radioactive pollution has been formed on the territory of Ukraine, which covers 2163 populated

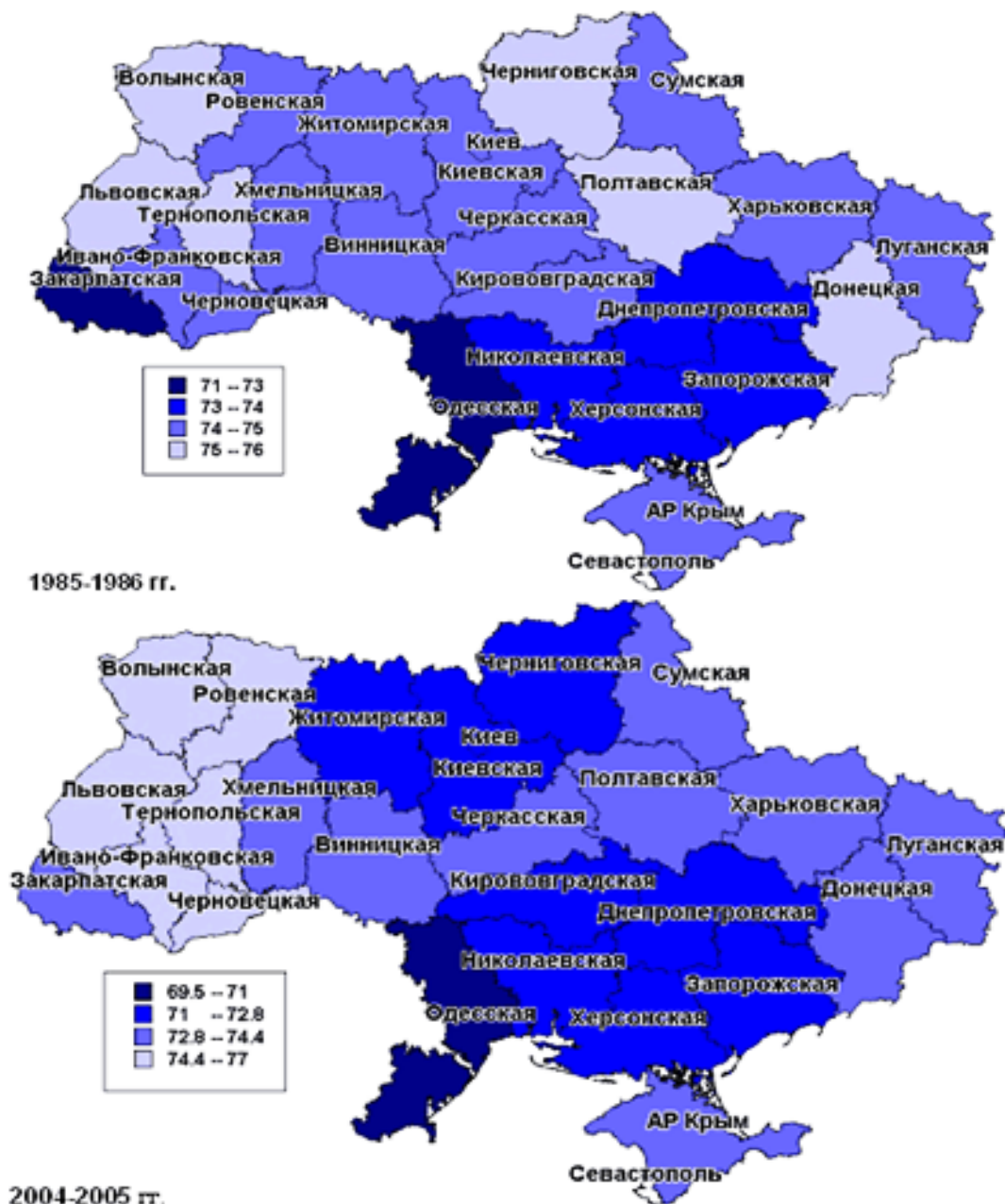
locality under the administrative jurisdiction of 12 regions (Vinnytsia, Volyn', Zhytomyr, Ivano-Frankovsk's, Rivne, Sumy, Ternopol, Khmelnytsky, Cherkassy, Chernovtsy and Chernigov).

General quantity of population that lives in the polluted regions and towns of Ukraine today is as much as 3.7 mln. of people (or more than the thirteenth part of the population), where 2.4 mln. of people live in rural areas.

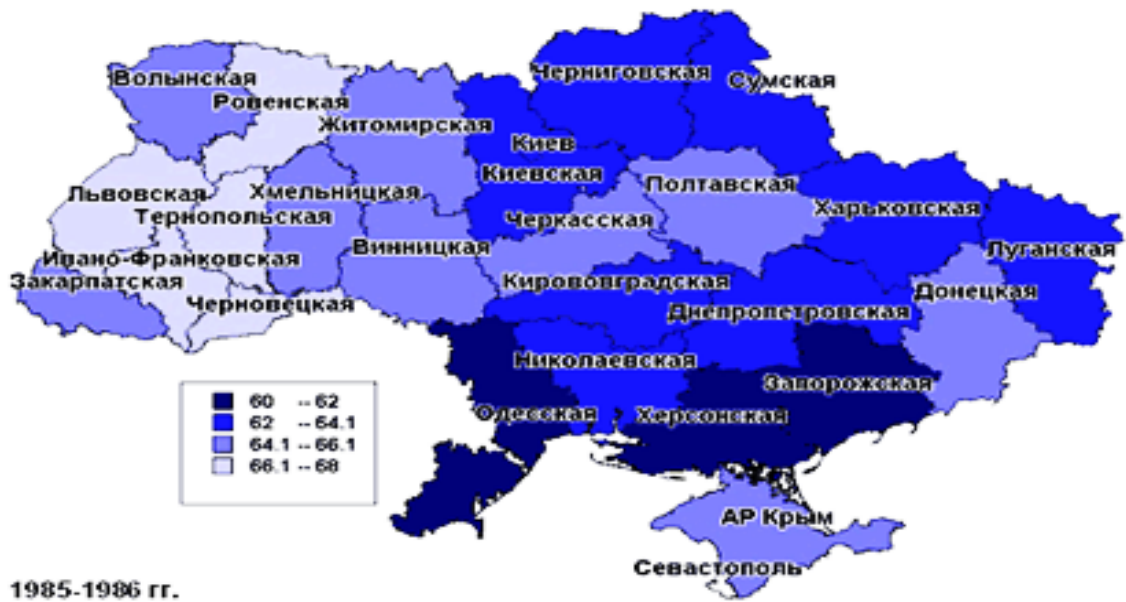
A quarter of the Belarus territory, nearly 2% of the European part of the Russian Federation and separate areas of Sweden, Norway, Poland, Austria, Switzerland, Finland and Great Britain became radioactively polluted. In all countries the disaster conditioned a number of issues originated from the influence of radionuclides on the life and health of current and further generations.

The evidence to the critical situation is the decrease of the average life-span, unfavorable dynamics of sickness rate and invalidization of population.

The levels of expected life-span for female citizens in rural areas



The levels of expected life-span for male citizens in rural areas



1985-1986 гг.



2004-2005 гг.

Greatly unfavorable is the situation with the death rate in the polluted rural areas, which is being demonstrated by the dynamics of life duration of the population by 2005 in comparison with 1985–1986. The represented figures give the opportunity to trace the situation in the three regions under our research project in comparison with other regions of Ukraine, including those that are affected by the radioactive emissions. Such approach conditioned a false estimation the Polissia territory pollution, where acid peat soils prevail. Within their systems “soil-plant” the migration of <sup>137</sup>Cs is significantly higher than in black and clay soils. This condition has led to unjustified excess of norms and pollution of milk and meat even on “favorable” territories, which caused a corresponding influence on the health of children.

Alarming is the growing quantity of vegetative disorders, chronic thyroidites and other non-tumor thyroid pathology and the growth of allergic reactions of the child population. It has been officially recognized today, under the pressure of hard facts, that functional health of rising generation is ecologically dependent. That is why it was pointed

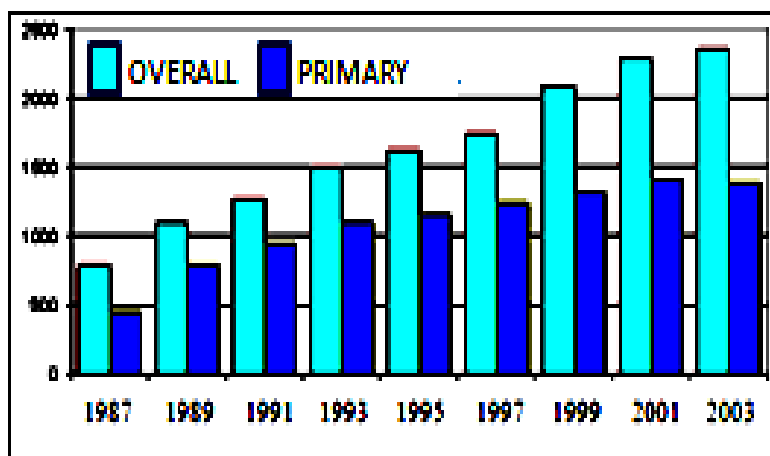
out in the United Nations Convention on the Rights of the Child (1989), documents of UN Special committee (2002), International meeting (2002), and Inter-national conference of European countries (2004) that children have the right to live in the conditions of healthy environment.

On this basis states of the European region have undertaken (since 2007) to implement "Children's Environment and Health Action Plan for Europe" (CEHAPE). The same trend has also been noticed in the Outcomes of the International forum of the CIS member states "Healthy population – the basis of the Commonwealth countries prosperity"

(2013). It should be noted that in all decision a formal appreciation of Ukraine is present, who, in this way, has undertaken certain international obligations. Despite this fact, in Ukraine, on the state level, nothing has practically been done to vitalize its obligations with the European community. In addition, the existing programs (including "Two-stage system of rehabilitation of child vegetative disorders, who live in the zone of radiation control of Ukraine" – 1993) are still being ignored and have no state support.

Hence, a sad conclusion comes out: in the official priority list preservation of the Gene pool of Ukraine has not been foreseen. Too bad, since contemporary issues with child vegetative disorders will turn into serious problems for the State tomorrow.

General and initial child sickness rate in the polluted areas.



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