

REVIEW OF FOUR RESEARCHES ON FERTILITY RATE AND ITS INCREASE

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§1. BASIS AND RECOMMENDATIONS FOR RADICAL RAISING OF THE TOTAL FERTILITY RATE

1. The essence of the demographic transition is a significant increase in family spending on the upbringing and education of a child.

2. The main factor on which the total fertility rate depends is the size of the full economic benefit for the family from the birth of a child.

3. Recommendations are given that will allow countries with insufficient total fertility rate to increase its value by two or more times.

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§2. LIFE BALANCE EQUATIONS FOR A PERSON AND FOR A FAMILY

1. The life balance equation for an individual and for a family is derived based on the average salary in the country.

2. The total birth rate directly depends on the cost of housing, on the amount of mortgage overpayment, on the cost of obtaining higher education, on the duration of compulsory secondary education, as well as on the average life expectancy of pensioners.

3. The cost of education and purchasing your own home radically reduces the total birth rate in the country.

4. A modern average family that has bought an apartment with a mortgage can easily raise one child without giving them a higher education, or it is difficult to raise one child by paying for a higher education.

5. In the absence of a mortgage, a modern average family that has bought its own home can successfully raise three children without giving them higher education, or easily raise one child by paying for higher education.

6. A family that is not burdened with the desire to find their own housing, as well as secondary and higher education for their children, has economic opportunities for the birth and upbringing of 15 to 25 children.

7. An extinction funnel for societies with insufficient fertility is described.

August 2023

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§3. THE CITY AS A BIOLOGICAL TRAP.

WORKING TIME AND NUMBER OF HUMANITY.

1. Man is naturally adapted to work 650 hours a year, with a maximum of 1000 hours a year.

2. With a five-day working week and an 8-hour working day in the city, a person works from 3,000 to 4,000 hours a year.

3. With a five-day working week and an 8-hour working day in the city, a person works about 5-6 times more than he is adapted to and 3-4 times more than he can work as much as possible.

4. Laziness at work is a way for employees to take a break from the colossal processing.

5. Inattention to their own children is a way for parents to save their own time and effort.

6. A settlement with one-story or two-story buildings, where up to 2-3 thousand people live, is considered acceptable for people to live in.

7. A city where 5-10 thousand or more people live and where residential buildings with more than 3 or more floors are common is considered an uncomfortable settlement by people.

8. The city provides many advantages to human life, while at the same time forcing people to have as few children as possible; thus, the city acts as a biological trap, both attracting and destroying.

9. Forecast until 2300.

9.1. The world's total fertility rate will fall below the level of simple reproduction (below 2.1 children per woman) in the coming decades.

9.2. The growth of humanity in absolute terms will continue for several more decades (perhaps the growth of the human population from today's 8 billion people to 9 or 10 billion people).

9.3. The falling global total birth rate in the second half of the twenty-first century will break the trend of global population growth and start a recession.

9.4. The duration of the decline in the human population will not be less than 100-150 years, but hardly more than 250-300 years.

9.5. As a result, the number of mankind should be established at approximately the same level, and it will be maintained for several millennia.

9.6. This level can be estimated as a 2-3-fold drop from the maximum human population estimated at 9-10 billion, i.e. from the 2200s, the human population will stabilize and become 3-4 billion. people.

9.7. In order for the human population to exceed 5 billion people after 2200, a new powerful trend should be formed and manifest, which would increase the human population, but at present such a trend is not observed. This trend can easily be found in the life balance equations for a person and for a family (reduce the amount of mortgages, reduce the time to get a specialty, and so on).

10. System of principles for housing, territorial zoning and labor

Principle №1. There is no city.

Principle №2. In a residential area, people live, but do not work and do not rest.

Principle №3. Residential buildings are no higher than 3-5 floors.

Principle №4. Large living area of the apartment.

Principle №5. There is little transport in the residential area.

Principle №6. Plenty of air and light in the apartment.

Principle №7. Silence in the apartment.

Principle №8. No more than 5 thousand people of the population in a residential area.

Principle №9. The length of travel to and from work is included in working hours.

Principle №10. Plenty of light and air in the workplace.

Principle №11. Work depends on the weather and time of year.

Principle №12. Concentration and division of labor in a working-class area.

Principle №13. Functional connection between residential and working areas.

Principle №14. Wide application of the shift method of work.

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§4. LIFE BALANCE EQUATIONS FOR A PERSON AND FOR A FAMILY

The equation of the life balance for an individual and for a family is derived based on the average salary in the country. It is shown that the total fertility rate directly depends on the cost of housing, on the amount of mortgage overpayment, on the cost of obtaining higher education, on the duration of compulsory secondary education, and also on the average of retirement life expectancy. Examples are given showing how much and why the total fertility rate is falling. On the basis of the life balance equation, it is possible to build any type of society according to the size of the birth rate: dying out, stable or increasing in number. A funnel of extinction is described for a society with insufficient fertility.

November 2018

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