



## *How to Prevent a Global Catastrophe Vision of Scientists*

1. Humanity in the 21<sup>st</sup> century has faced with the threatening global catastrophe.

• The catastrophe has many faces.

Environmental — depletion and critical rising in prices of vital natural resources, environmental pollution that has reached the critical level, climate change and the growing number of natural and man-made disasters and accidents.

Demographic — spread of depopulation, unregulated migration and epidemics, hunger and poverty of a large part of the population on the Earth.

Technological — aging of fixed capital, slowing innovation renewal of economy and labor productivity growth, the growing polarization between vanguard and lagging countries.

Economic — the decline in economic growth, a series of financial and economic crises, growth of the parasitic “bubble economy” and the widening gulf between rich and poor civilizations, countries and social strata.

Geopolitical — increasing tensions and the number of inter-state and socio-political conflicts, international terrorism, a new round of arms race and a threat of a clash of civilizations.

Sociocultural — the crisis of science losing its creative and prognostic potential, excessive pragmatization and a loss of fundamentality of education, spread of commercialized, impersonal mass culture, moral degradation and undermining the foundations of the family — the main unit of society.

All these are harbingers and components of the oncoming civilizational catastrophe which is a consequence of the decline and decay of the industrial world civilization prevailed in the last centuries, sensate socio-cultural system.

2. The scope and depth of the occurring transformations stumped the governmental and international, business and scientific elite now

prevailing. It has failed to understand the nature and prospects of changes occurring in the world nor it was able to develop and implement a radical long-term strategy to meet all the realities of the new century, seeks to restrict itself to half-measures and pseudo-innovations prolonging the agony of the outdated systems and deepening the crisis. Such a short-sighted policy only multiplies the threats to the global civilization.

3. The path to prevent a global catastrophe is shown by such great thinkers as Vladimir Vernadsky and Nikita Moisseev, Pitirim Sorokin and Nikolai Kondratieff, Joseph Schumpeter and Fernand Braudel as well as by modern schools of thought developing their ideas.

Crises and catastrophes are to be surmounted on the basis of the scientific and technological revolution of the 21<sup>st</sup> century, a wave of epochal and basic innovations, establishing integral humanistically noospheric civilization. Scientists developed and presented, at the United Nations headquarters, at the UN Conference on Sustainable Development RIO+20 and to the leaders of the G-20, the “Global Outlook “ The Future of Civilizations” for 2050, and reports “The Foundations of a Long-term Strategy for Global Sustainable Development Based on Partnership of Civilizations” and to the G20 summit — report “Scientific Bases for a Strategy to Surmount the Crisis of Civilization and Taking the Path of Global Sustainable Development.”

4. The 4th World Congress of Global Civilization (Moscow, December 3–5, 2013) will discuss the projects of the Centennial Plan for the integrated enhancement of the global ecological environment, establishment of the Organization to implement the plan and formation of the Global System for Monitoring, Forecasting and Emergency Response as well as revealed the significance of V.I. Vernadsky doctrine of noosphere as the basis for a long-term strategy

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for global sustainable development. It will be held the first general meeting of the International Academy for Global Studies, will be taken the appeals to the United Nations and governments of the world on these issues.

5. Relying on a long-distance vision and understanding the depth of global transformations occurring in the world, the scientists propose:

— adopt the Centennial Plan for the integrated enhancement of the global ecological environment, implying not only harmonization of development of society and nature on the noospheric principles but also partnership of civilizations, nations, social strata to prevent a global catastrophe;

— establish the Organization for the integral enhancement of the global ecological environment that has sufficient authority and resources to implement the Centennial Plan;

— set a Global System for Monitoring, Forecasting and Emergency Response;

— Using V.I. Vernadsky's doctrine of noosphere, to develop and adopt a long-term strategy to surmount crises and take the path of global sustainable development on the basis of dialogue and partnership among civilizations, nations, social strata and generations.

6. To prevent the global catastrophe needs fruitful synthesis of power and science. Recent decades have seen a dangerous separation of power from the advanced science and power without science is short-sighted, fussy and strategically useless. It is taken shape the signs of overcoming this separation. It is established a Scientific Advisory Board at the UN Secretary General. Scientists have taken the next step: it is established an International Academy of Global Studies, which brings together scientists from different branches of learning, countries and civilizations to validate a long-term strategy to surmount the crisis of civilization, take the path of

global sustainable development and for arming the new generation of leaders with this strategy, to whom the responsibility for the adoption and implementation of strategic decisions to prevent a global catastrophe passes for three decades.

7. The Congress participants address the UN and governments of the world with an appeal before it is too late to heed the warnings and recommendations of scientists to develop and implement a long-term strategy that could prevent a global catastrophe and enter the path to the humanistically-noospheric civilization. They also appeal to the media and the Internet community to bring the vision and recommendations of scientists to authorities, global civil society, leaders of the new generation. Only together we are able to prevent the global catastrophe and to ensure the future for generations to come.