

CHILE, Viña del Mar, 01-19-2021

WEEKLY REFLECTION
CLIMATE CHANGE AND PROSPECTIVE VISION

The global society is an actor and witness of the diverse problems that affect it. These have not been accidental, on the contrary, human interventions have translated into experiences never seen before, being the anthropocene -the human being as the main responsible for climate change-; whose harmful actions occur in a systematic way in time and space, paving a path with accelerated speed towards a future that will be characterized by super-complexity, extreme uncertainty, maximum market volatility, multiplication of risks of diverse nature and exponential changes in undesired scenarios. All of the above will occur if we do nothing, that is, if we remain in the comfort zone.

The above is possible to verify according to the degree of incidence and implications in a) The health dimension: triggered in the COVID-19 pandemic, b) the human dimension: the increase in population, forced migration, warlike conflicts, social injustice, discrimination in all its manifestations and the exercise of illegal activities, d) the environmental dimension: characterized by climate change fundamentally.

The human activities of the last 200 years have generated an unprecedented pressure on the planet, which has accelerated the generation of greenhouse gases in the atmosphere, which certainly translates into global warming.

From the perspective of sustainable development, the causes that cause global warming such as greenhouse gases, the sustained increase in human population, the gradual and systematic destruction of terrestrial and marine ecosystems, motivates us to formulate a genuine reflection on the true consequences of climate change, This is evidenced by the extinction of species of flora and fauna, the alteration of ecosystems, the melting of glaciers, extreme weather events, the acidification of the oceans, human migrations, high food prices, the spread of disease through contaminated water or the absence of it, famine, and in many cases death.

The analysis formulated by the author is based on the construction of a prospective vision whose central axes are:

- Economy and LDCs: The least developed countries (LDCs) should have special and preferential treatment in economic-financial matters, that is, the cancellation of their debt.
- Role of the State: The States should devise, design and implement public policies especially focused on the treatment of risks, as well as provide the necessary resources in quantity and quality to mitigate, reduce and/or eliminate dangers of diverse nature, applying for this purpose artificial intelligence, data analysis and mathematical models, as well as agile methodologies that facilitate the resolution of such issues in a fast, expeditious and safe manner.

Leadership, Innovation, Foresight and Development

In addition, states are called to be more efficient, effective and efficient in the achievement of the Sustainable Development Goals (SDA) by 2030, as well as, the compliance with the Paris Agreement among other unavoidable and remarkable challenges.

- **Quadripartite vision:** Public and private organizations, international bodies and universities should assume and lead the commitment to provide and inject resources in quantity and quality to generate R&D&I of the highest level, allowing research centers to produce new knowledge, contributing to the development of science and technology (S&T) and certainly providing intelligent solutions.
- **Education:** On a global scale, it is necessary to incorporate new and innovative academic content in the teaching-learning processes in pre-school, primary, secondary and higher education with the aim of educating, training, raising awareness and motivating people to take care of the planet, understood in the broadest sense of the word.
- **Consumption:** It is imperative to imagine bold solutions in the area of consumption, given the pressures that man induces on water, energy and food resources. The behaviors developed by human beings since the first industrial revolution to date have only increased the accelerated deterioration on the face of the earth. This calls for highly focused studies and research in terms of "creating solutions" and not necessarily stopping at problems.
- **Innovation:** The reduction of waste is a matter that requires in-depth study and analysis different from the traditionally accepted, using new ways to reduce (key), reuse and recycle. However, it is convenient to reflect that the moment will come when we will have to move the waste to safe places far from the earth, for example the starry space.
- **Production:** Current production models have aggravated and altered the environmental systemic balance, thus generating the gradual depletion of natural resources (overexploitation), with the consequent alteration of ecosystems. This occurs in a progressive and unsuspected manner and deserves to be corrected.

It is required to carry out multiple studies, researches, projects and programs of varied scope and impact to approach and solve the problems of the future. However, the substance is in the ethical and political commitment of governments, world leaders and citizens to explore innovative formulas that promote peace, eradicate hunger and poverty, care for nature, re-educating citizens without distinction and have effective tools and systems that allow us to anticipate future events, using foresight, a discipline that aims to build futures.

It is strategic to improve human development and the quality of life of people on a global scale!