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Climate Change

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The problem of the desert areas: Agro-forestry recovery of the same and influence of this on climate

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Among the causes related to climate change - in part for natural, and partly by human action - an important factor, as already mentioned by the author in the past, is connected to the change of state of soils and to land use in a great part of the planet. As noted above, an important contribution to climate modulation, canceling, at least partly, the natural or anthropogenic factors that determine it would be in the recovery of a green cover - agricultural and forestry - in the soils today have become infertile, at the same time recovering and protecting the original biodiversity. We can estimate to 30% of the dry land the surface now occupied by deserts. A first, successful, experiment, which extends now over large areas in Africa and China, has been done, over the last years, by Prof. Venanzio Vallerani (1924-2012). For desert areas where even the Vallerani system is inapplicable, we want here to propose a modification of it, related to a series of measures to support plants growth, prevent the silting up of the same, and to develop a land use planning that encourage its natural, climatic and socio-economic recovery. We will, therefore, with this intervention hypothesis, pass from a passive phase of observation of climatic changes in place, to an active phase of testing of possible solutions - implemented in large scale - of the phenomenon, especially in relation to the needs of life (social, in terms of health, and economic) of the world population.

Biography

Gualtiero A N Valeri studied industrial chemistry and chemical engineering in Padua. He is a consultant in the applied sciences, R&D and Professor of Industrial Chemistry at St. Rita University of Rome. He is the Member of Tiberina Pontifical Academy, Vice-president of scientific committee of Mediterranean Parliament and President of Montevenda Engineering International Association. He has received the "J. Benveniste" award for the Biophysic in the year 2011 and Special award for the diffusion of scientific culture from Center "Culturambiente" of Rome and from "Centre for Peace" of Vatican City in the year 2013. He also received "Hippocrates" award for the Medicine in the year 2015.

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