

including, inter alia, physical, chemical, geological, biological, oceanic, hydrological, economic and social processes; and to reduce uncertainties with regard to the economic and social consequences of response measures taken in this regard;

(b) To develop, maintain and, where appropriate, enhance systematic observations of the atmosphere and affected ecosystems, as well as impacts on human health and social and economic systems. The emphasis should be on assembling coincident and supportive databases, where possible, and on exchanging these data and related information to the fullest extent possible;

(c) To enhance international cooperation in building the capacities and abilities of countries to identify atmospheric problems, to conduct research, to assemble, collect and assess data by using existing data and by establishing and expanding systematic observation capabilities, and to participate in the exchange of the resulting data and information.

Activities

5. Governments [and regional economic integration organizations] at the appropriate level, with the cooperation of the relevant United Nations bodies and, as appropriate, intergovernmental and non-governmental organizations, the private sector and financial institutions, should:

(a) Identify priority areas of scientific, technical and socio-economic research related to the critical linkages between the environmental and development issues arising in all sectors, as they relate to the atmosphere, with the support of relevant United Nations bodies, regional and subregional organizations, industry, research institutions and other non-governmental organizations;

(b) Promote studies on issues concerning the interaction between socio-economic parameters and atmospheric changes, such as climate change, enhanced ultraviolet radiation and increase in various air pollutants, as they relate to various ecosystems; oceans and all seas and their surface layers; economic sectors, especially at the regional and local levels; soils; and biodiversity in general;

(c) Ensure a more balanced geographical coverage of the Global Atmosphere Watch network by facilitating, inter alia, the establishment and operation of additional systematic observation stations and by contributing to the development, utilization and accessibility of the Global Atmosphere Watch database;

(d) Promote cooperation in the development of early detection systems concerning changes in the atmosphere, both those resulting from human activities and others;

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