ANNEXES

ANNEX I
Annex to paragraph 3.6 of the general summary

DRAFT TERMS OF REFERENCE OF THE COMMISSION FOR ATMOSPHERIC SCIENCES

The Commission for Atmospheric Sciences is responsible for promoting, coordinating and facilitating activities relating to atmospheric sciences, including weather research, environmental pollution and atmospheric chemistry research, and associated training and capacity-building.

Within the context of this broad role, the specific objectives of the Commission are:

(*a*) To determine the requirements of WMO Members, including in support of environmental and climate conventions, and facilitate the transfer of knowledge, technologies and advice concerning atmospheric science issues;

(*b*) To conduct research in atmospheric and related sciences to advance the understanding and predictability of atmospheric processes within the broader Earth system, with emphasis on the following:

- (i) Weather prediction for timescales ranging from very-short to long range, embracing new developments in environmental prediction, with emphasis on forecasting high-impact events associated with serious consequences for populations and economies;
- (ii) Atmospheric composition and air pollution, including their interaction with weather, studies of the transport, transformation and deposition of air pollutants and related monitoring;
- (iii) Physics and chemistry of clouds, particularly in support of weather prediction, atmospheric chemistry and the prediction of the chemical composition of the atmosphere;
- (iv) Weather modification, with emphasis on the underlying physical and chemical processes and the development of rigorous evaluation procedures;
- (v) Tropical meteorology, including studies of processes and phenomena of particular relevance to low latitudes and their influence beyond;
- (vi) Climate, noting the central role of the World Climate Research Programme (WCRP) for improved understanding of climate; the Commission will provide supporting science and contribute expertise, especially in atmospheric, environmental and Earth system modelling, which links the weather interests of the Commission to climate scales;

(*c*) To maintain and develop the Global Atmosphere Watch (GAW) programme using an integrated approach to global atmospheric chemistry observations and air quality, contributing to scientific assessments in support of international environmental and climate conventions and policies;

(*d*) To coordinate the Commission's activities with relevant WMO bodies, the WMO Long-term Plan and other scientific groups;

(*e*) To standardize functions, constants, terminology and bibliographic practices applicable to atmospheric sciences;

(*f*) To support research on the policy and socio-economic impacts of advances in the understanding of atmospheric sciences;

(*g*) To formulate requirements for observations and for the storage, retrieval and exchange of raw and/or processed data;

(*h*) To conduct scientific assessments of technical meteorological procedures, including verification techniques.