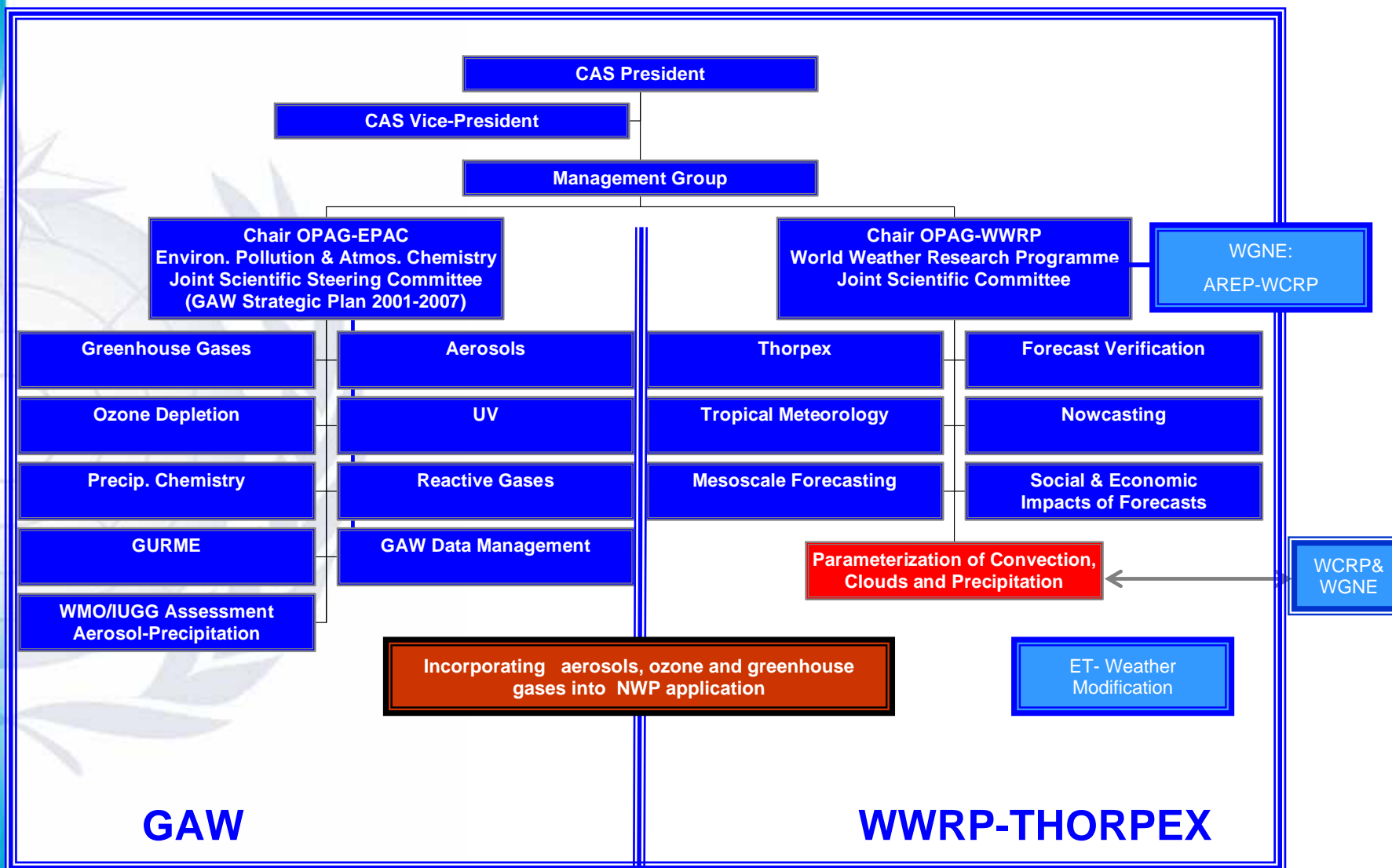


# Weather Modification WMO's ROLE

Deon E Terblanche

Chairperson: Expert Team on Weather  
Modification

# CAS ORGANIZATIONAL COMPONENTS: 2006-2010



## ATMOSPHERIC RESEARCH AND ENVIRONMENT PROGRAMME (AREP)

**AREP** co-ordinates and stimulates research on the composition of the atmosphere, the physics and chemistry of clouds, weather modification techniques, tropical meteorology processes and weather forecasting, focusing on extreme weather events and socio-economic impacts. In addition it co-ordinates the global monitoring of greenhouse gases, the ozone layer, major atmospheric pollutants, and urban environment and meteorological studies. The Commission for Atmospheric Sciences is responsible for the overall development of the Programme.

# WEATHER MODIFICATION PROGRAMME

The main purpose of this Programme is to stimulate collaboration and participation in basic research in the physics and chemistry of clouds and encourage application of this research with particular emphasis on the needs of weather prediction, weather modification and atmospheric pollution.

[http://www.wmo.int/web/arep/wmp/wmp\\_homepage.shtml](http://www.wmo.int/web/arep/wmp/wmp_homepage.shtml)

[Main objectives](#)

[WMO statements](#)

[UAE Prize](#)

[Register](#)

[Publications](#)

[Meetings](#)

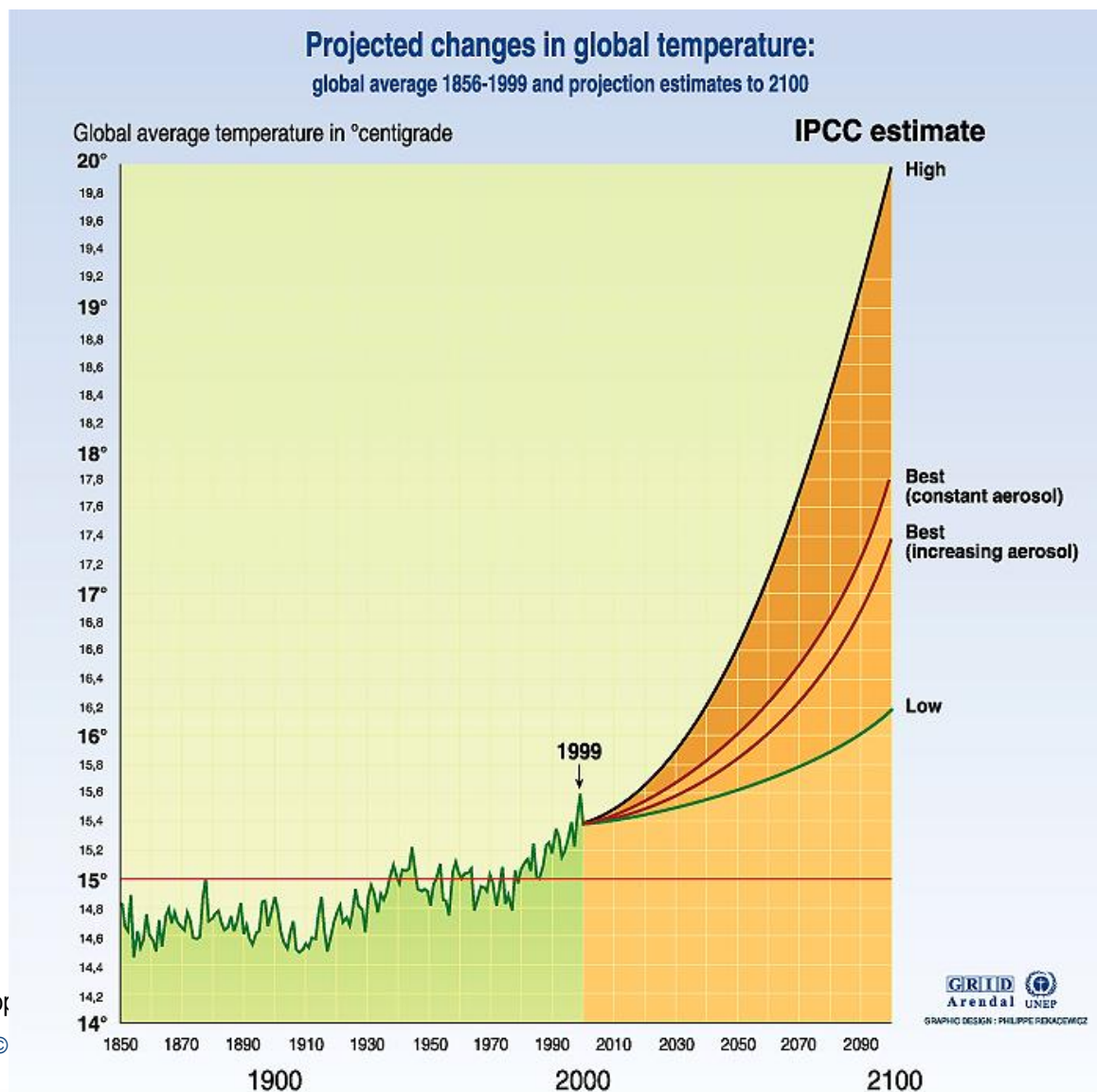
[Contact us](#)

## THE CENTURY OF WEATHER MODIFICATION

“The earth cannot support an unlimited human population, an infinite number of motor vehicles, unchecked soil erosion, continued increase in air & water pollution, uncontrolled expansion of atmospheric carbon dioxide or any other type of exponential growth” (Southwick, 1996).

# THE CENTURY OF WEATHER MODIFICATION

Billions

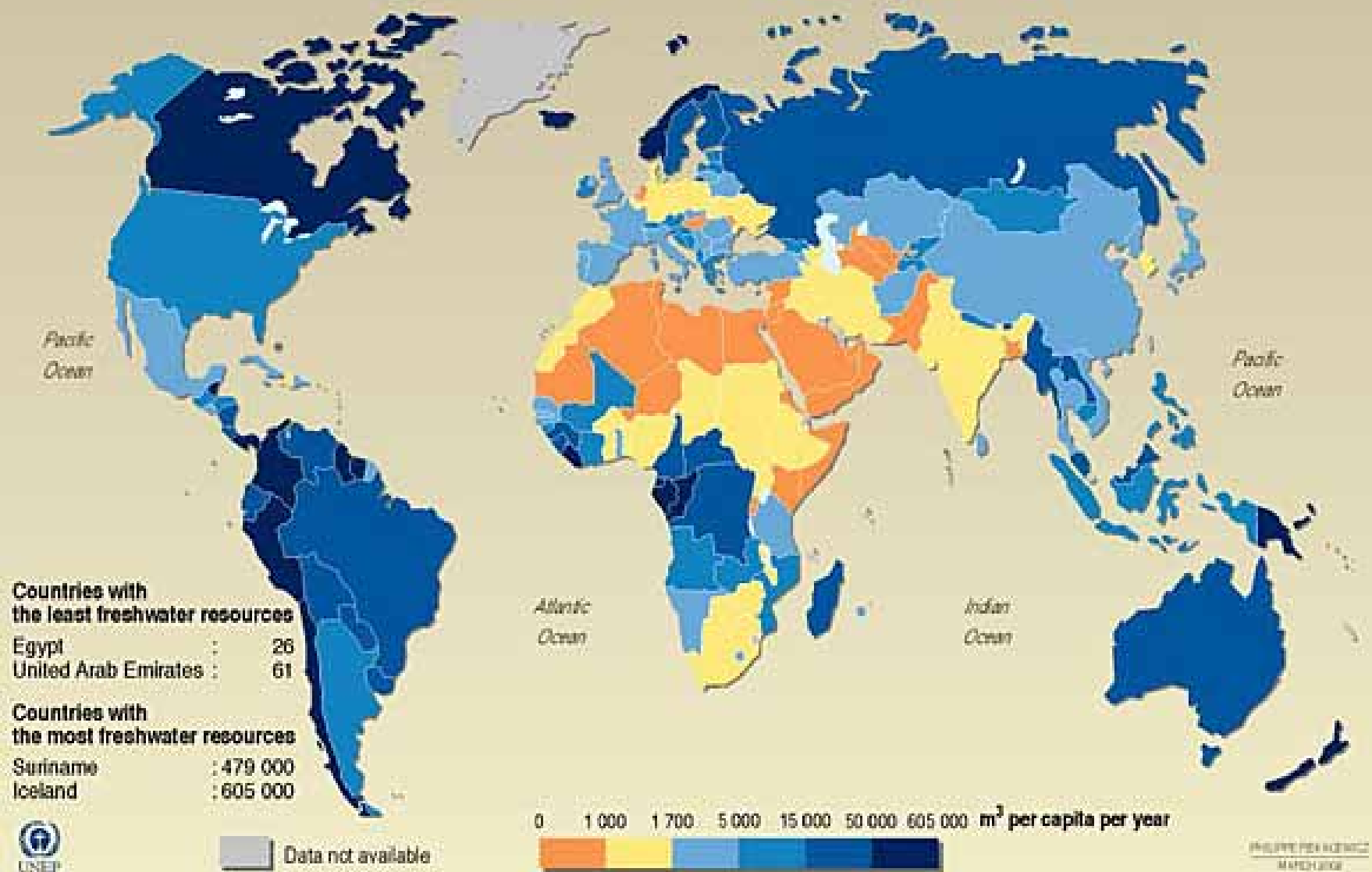


Source: Pop



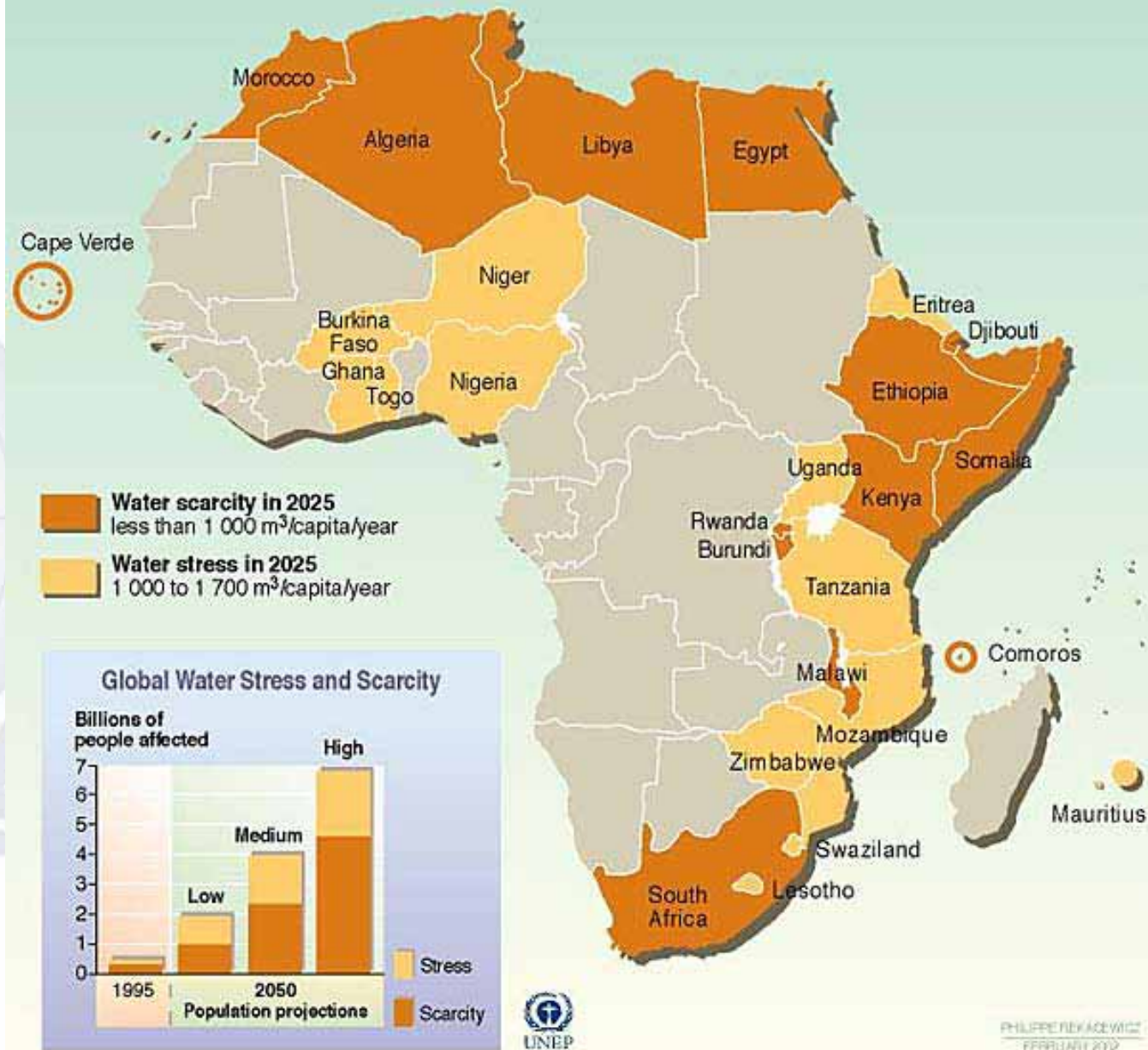
## Availability of Freshwater in 2000

### Average River Flows and Groundwater Recharge





## Freshwater Stress and Scarcity in Africa by 2025



Source: United Nations Economic Commission for Africa (UNECA), Addis Ababa; Global Environment Outlook 2000 (GEO), UNEP, Earthscan, London, 1999; Population Action International.



## 2007 CONFERENCE

**9th Scientific Conference on Weather Modification (Istanbul, Turkey, 22-24 October 2006)**

- **Announcement**
- **Information about the Conference**
- **Pre Registration Form (deadline 15 August 2007)**
- **Call for papers**
- **Instructions for submission of extended abstracts**
- **Agenda (under construction)**
- **Conference Committees**

**Forum "Technical Underpinning and Key Issues on Weather Modification Research" (under construction)**

- **Travel, accommodation and venue in Istanbul (under construction)**

**[http://www.wmo.int/web/arep/wmp/wea\\_mod\\_turkey/9th\\_weather\\_mod.html](http://www.wmo.int/web/arep/wmp/wea_mod_turkey/9th_weather_mod.html)**