



APRSAF

ASIA-PACIFIC REGIONAL
SPACE AGENCY FORUM

SPACE-BASED INFORMATION FOR CLIMATE CHANGE

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APRSAF
ASIA-PACIFIC REGIONAL
SPACE AGENCY FORUM

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GLOBAL, REGIONAL AND NATIONAL NEEDS FOR CLIMATE INFORMATION



PURPOSE

Research (eg WCRP)

Assessment (IPCC)

Services (including GFCS)

Policy (including UNFCCC)

ESSENTIAL CLIMATE VARIABLES

Atmosphere	(14)	(11)*
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Ocean (18)	(6)*	
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Land	(16)	(11)*
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TOTAL	(48)	(28)*
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* Space-based contribution

SECTORS

Agriculture and food

Biodiversity and NRM

Disaster risk reduction

Education

Energy

Environment

Forestry and fisheries

Health

Human settlements

Industry

Transport

Tourism

Water

Oceans and coasts

THE GCOS PLAN 1995

IMPLEMENTATION PLAN 2004, 2010



GLOBAL CLIMATE OBSERVING SYSTEM

PLAN FOR THE
GLOBAL CLIMATE OBSERVING SYSTEM (GCOS)

VERSION 1.0

May 1995
GCOS - 14
WMO/TD - No. 681

WMO UNESCO UNEP ICSU

GLOBAL CLIMATE OBSERVING SYSTEM

WMO of UNESCO UNEP ICSU

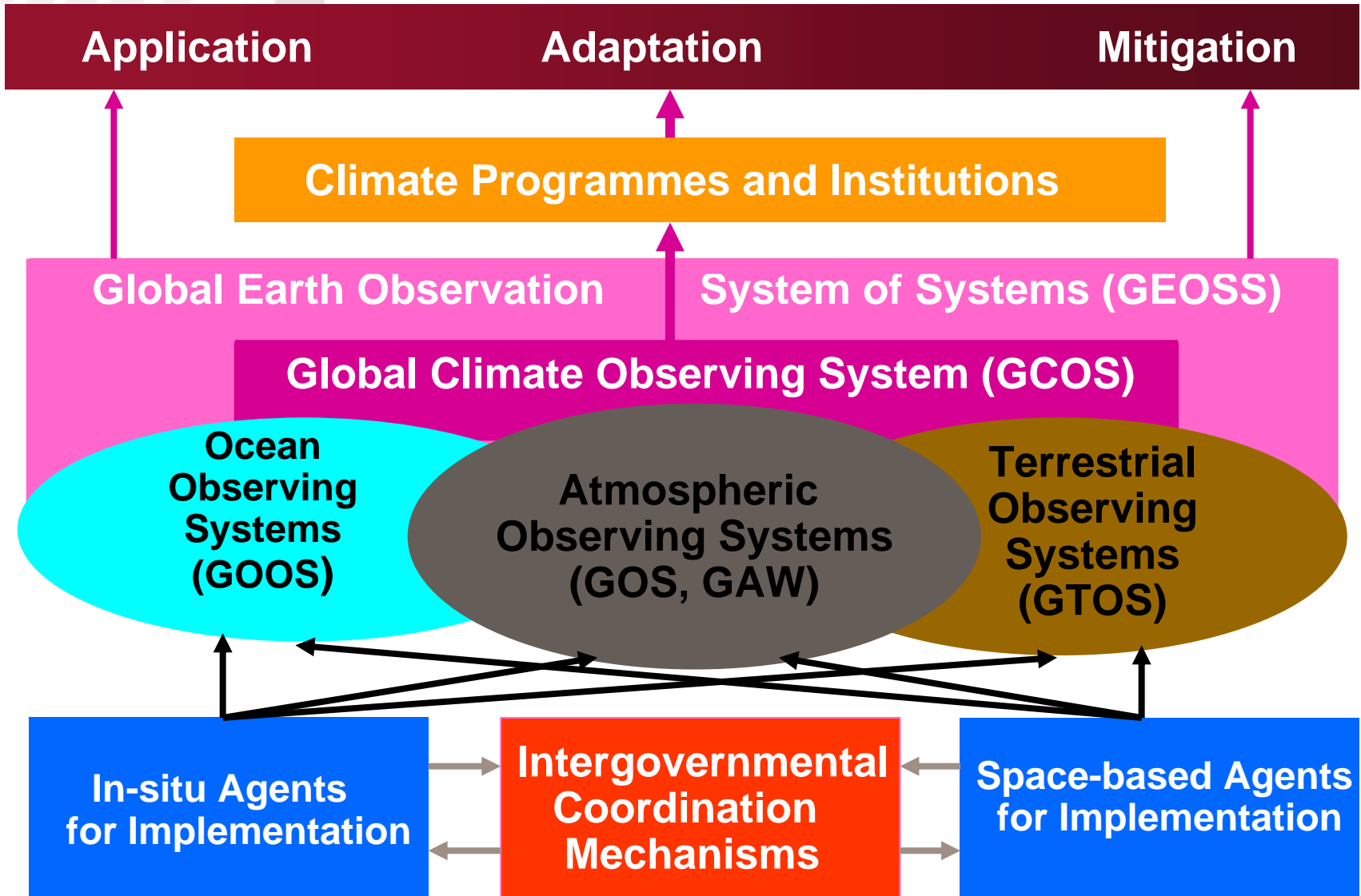
WORLD METEOROLOGICAL ORGANIZATION INTERGOVERNMENTAL OCEANOGRAPHIC COMMISSION

**IMPLEMENTATION PLAN FOR THE
GLOBAL OBSERVING SYSTEM FOR CLIMATE
IN SUPPORT OF THE UNFCCC**

October 2004
GCOS - 92
(WMO/TD No. 1219)

UNITED NATIONS ENVIRONMENT PROGRAMME INTERNATIONAL COUNCIL FOR SCIENCE

GCOS PROVIDING INFORMATION FOR ADDRESSING CLIMATE CHANGE



AGENTS FOR IMPLEMENTATION OF THE SPACE-BASED COMPONENTS OF GOS



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International Coordination Mechanisms

- CEOS (Committee on Earth Observation Satellites)
- CGMS (Coordination Group for Meteorological Satellites)
- HLCC (WMO High Level Consultative Committee on Satellites)
- SCOPE-CM (Sustained Coordinated Processing of Environmental Satellite Data for Climate Monitoring)
- GEO (Group on Earth Observations)

Regional/Specialized Intergovernmental Organizations

- ESA (European Space Agency)
- EUMETSAT (European Organization for the Exploitation of Meteorological Satellites)

National Space Agencies

- NASA, NOAA/NESDIS (US) CNES (France) DLR (Germany)