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## COSPAR Commission

### A. Space Studies of the Earth's Surface, Meteorology and Climate

Task Group on GEO (TG GEO)

Sub-Commission A1 on Atmosphere (incl. Troposphere and Stratosphere), Meteorology and Climate

Sub-Commission A2 on Ocean Dynamics and Productivity

Sub-Commission A3 on Land Processes and Morphology

The principal goal of the Commission is to promote and enhance effective international co-ordination, discussion, and cooperation in areas of studies of the lower atmosphere-ocean-land system, where space observations can make unique and useful contributions. The immediate objective is to accelerate the progress in our understanding of the various physical, geochemical and biological aspects in the atmosphere and oceans and on the Earth's surface using space capabilities. The three particular areas of concern are covered by the three Sub-Commissions. Particular emphasis is given to problems of developing countries.

The Sub-Commissions conduct special studies and publish appropriate reviews or technical reports, etc., organize symposia and special meetings to discuss relevant results, plans and opportunities for observational possibilities, and identify problems of current scientific interest and human importance that are ready for technological exploitation. They may also establish ad hoc task groups for carrying out any of these responsibilities.

- The Interface Between Spacecraft Instrument Technologies and the Science They Enable
- GEO
- Observing the Anthropocene from Space
- Land-Ocean-Atmosphere Interactions
- CubeSats for Scientific and Civil-use Studies of the Earth
- Space-based and Sub-orbital Observations of Atmospheric Physics and Chemistry
- Science and Applications Enabled by Oceanographic Satellite Measurements
- Advances in Quantitative Remote Sensing and Application for Global Terrestrial Ecosystems