

The CEOS Mission

The Committee on Earth Observation Satellites (CEOS) was created as result of the 1982 Group of Seven Economic Summit. CEOS members agreed that CEOS :

- will serve as the focal point for international coordination of space-related, Earth observations activities, including those related to global change. Policy and technical issues of common interest related to the whole spectrum of Earth observations satellite missions and data received from such will be addressed.

● interactions with other satellite coordination groups, as well as with international scientific programs should be strengthened.

● Membership requirements specify that members provide non-discriminatory and full access to data that will be made available to the international community. Prospective members must request membership. Observers and affiliates will be invited to participate in those capacities.

● Plenary sessions will be convened at least once a year while working groups will continue to meet throughout the year.

CEOS Members

ASI (Italy) BNSC (UK)
 CAST, NRSCC (China)
CNES (France) CSA (Canada)
CSIRO (Australia) DARA (Germany)
 ESA, EUMETSAT (Europe)
INPE (Brazil) ISRO (India)
 NOAA, NASA (USA)
 NSAU (Ukraine)
 ROSHYDROMET, RSA (Russia)
SNSB (Sweden) STA (Japan)

CEOS Observers

CCRS (Canada) CRI (N.Z.)
EC (Europe) NSC (Norway)
 OSTC (Belgium)

CEOS Affiliates

FAO GCOS GOOS
 ICSU IGBP IOC
UNEP WCRP WMO

CEOS Objectives

CEOS has three primary objectives:

- To optimize the benefits of spaceborne Earth observations through cooperation of its members in mission planning and in the development of compatible data products, formats, services, applications, and policies;
- To aid both its members and the international user community by inter alia serving as the focal point for international coordination of space-related Earth observations activities, including those related to global change; and
- To exchange policy and technical information to encourage complementarity and compatibility among spaceborne Earth observations systems currently in service or development, and the data received from them.

In general, issues of common interest across the spectrum of Earth Observation Satellites will be addressed.

*Committee on
Earth Observation
Satellites*

WGCV

*Working Group
on
Calibration
and
Validation*

WGD

*Working Group
on
Data*

WGN

*Ad hoc
Working Group
on Networks*

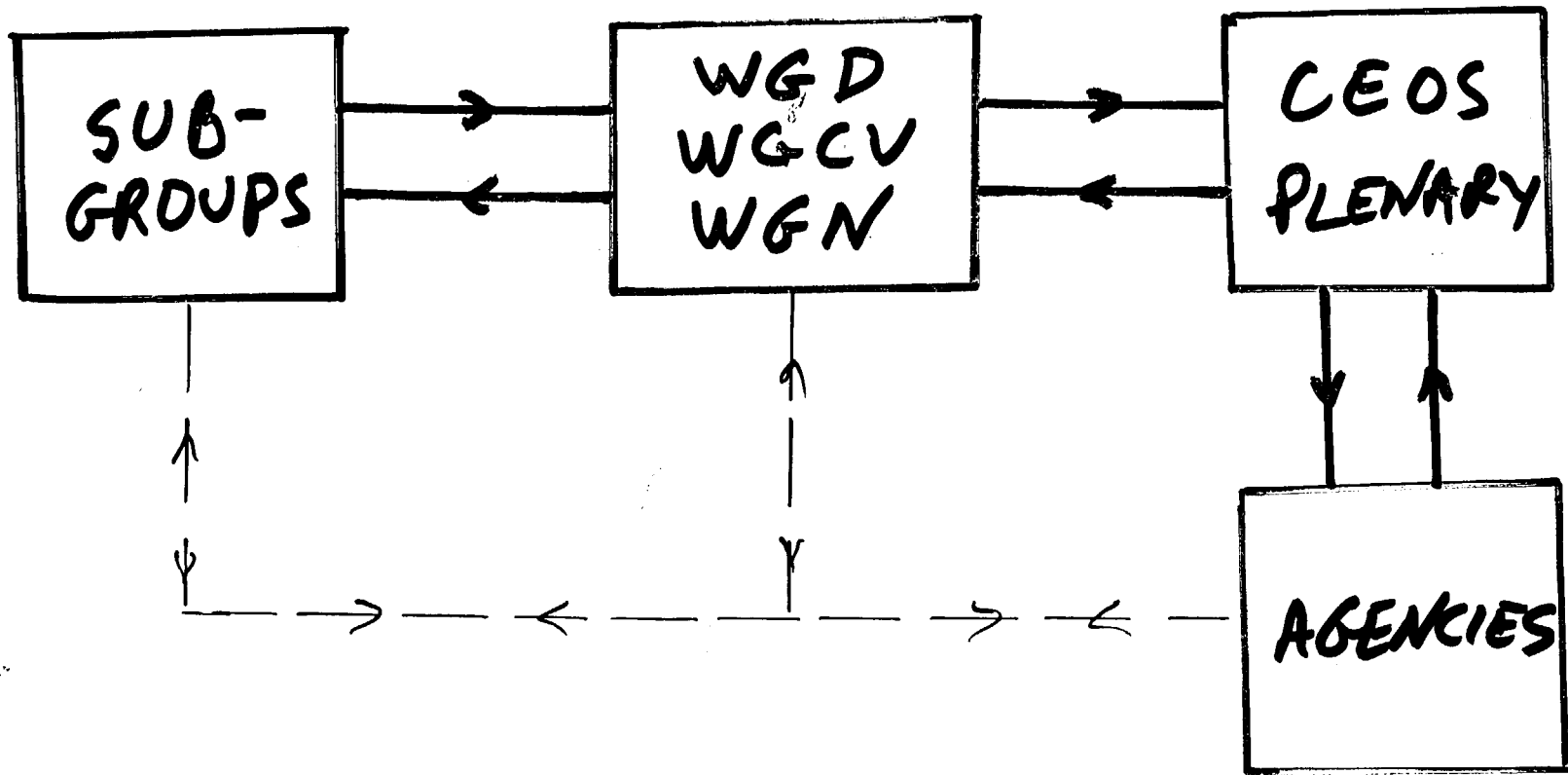
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W.F.C.V.

SUB GROUPS

- SAR CAL.
- TERRAIN MAPPING
- PASSIVE MICROWAVE
- INFRARED & VISIBLE OPTICAL SENSORS (IVOS).

CEOS MECHANISMS



Instrument type	Instrument(s) chronological order	Mission(s)
Ocean colour radiometer	MESSR - Multispectral Electronic Self Scanning Radiometer	MOS 1b
	Ocean colour sensor	IRS-P2
	SeaWiFS - Sea viewing Wide Field Sensor	SeaStar
	MOS - Modular Optoelectronic Scanning Spectrometer (A and B)	PRIRODA
	ROSI - Reflective Optics System Imaging Spectrometer	IRS-P3
	OCTS - Ocean Colour and Temperature Scanner + POLDER	ADEOS
	MERIS - Medium Resolution Imaging Spectrometer	ENVISAT-1, ESA Future Missions
	MODIS - Moderate Resolution Imaging Spectroradiometer	EOS-AM 1,2&3, EOS-PM 1,2&3
	Ocean color GLI - Global Imager	EOS COLOR ADEOS II

MISA

ROCSAT

IVOS SPECIAL OCEAN COLOR MEETING. LANHAM, VA, MAY 1.

- OVERVIEW OF OCEAN COLOR PHYSICS
— CALIBRATION ISSUES
- SEAWIFS STATUS AND CAL/VAL PLANS
- OCTS STATUS AND CAL/VAL PLANS
- EUROPEAN PLANS FOR OCEAN COLOR C/V
- NORWEGIAN PLANS
- U.K. PLANS
- INTERNATIONAL COLLABORATION ISSUES
- CEOS INVOLVEMENT

CAL/VAL PLANS

- U.S.A. (SeaWiFS)
 - ATMOS. CORR
 - LANAI BUOY (MOBY)
 - FLORIDA COAST
 - HIGH LAND + LAKES

- JAPAN (OCTS)
 - AEROSOL MEAS.
 - OPTICAL BUOY
(YAMATO BANK)

- JRC (EUROPE)
 - COASTS
(NEAR VENICE)
 - PLYMOUTH
(SOUTH U.K.)
 - PICASSO
(NEAR VENICE
SOUTH U.K.
NORTH SEA
BALTIC SEA)
 - + PORTABLE LAB.

CEOS OPTIONS

- X ● FORM OCEAN COLOR SUBGROUP(S)
- ✓ ● ACCEPT REPRESENTATIVES (TECHNICAL EXPERTS) FROM OCEAN COLOR COMMUNITY (INTERNATIONAL WORKING GROUP).

MEETING OUTCOMES

- OCEAN COLOR COMMUNITY BETTER INFORMED ABOUT CEOS, ITS STRUCTURE, AND ITS ROLE IN INTERNATIONAL E.O. ACTIVITIES.
- OCEAN COLOR COMMUNITY AWARE OF INTERNATIONAL ACTIVITIES + PLANS
- CEOS WGCV TO DISCUSS THE PREVIOUS OPTIONS AT ITS MOSCOW MEETING (JUNE 1995)
- OCEAN COLOR COMMUNITY TO PROCEED WITH THE ESTABLISHMENT OF AN INTERNATIONAL W.G. AND TO SEEK REPRESENTATION ON CEOS WGD & CEOS WGCV SUBGROUPS.

~~1020~~ 1020 - MIAMI MEETING REPORT (LV. ESAIAS)

Monday 1 May.

0900 Ocean color special session - Opening remarks

0915 Overview of ocean color physics. Problems with cal/val of space sensors. (Howard Gordon)

~~1000~~ SeaWiFS status. NASA plans for cal/val of SeaWiFS. (~~Wayne Esaias~~) **CHUCK M'CLAIN**

1030 OCTS status. NASDA plans for cal/val of OCTS. (Masanobu Shimada)

1100 Coffee break

1130 European plans for cal/val of ocean color sensors. (Guiseppe Zibordi)

1200 Other agency plans for ocean color campaigns - China, Republic of China, Australia, Canada, and others?? **NOAA, ~~NOAA~~, + UK.**

1230 Lunch.

1330 Other agency plans for ocean color campaigns - continued.

1400 Opportunities for international collaboration in cal/val activities. ← **R FROVIN.**

1500 Data management and exchange issues.

1545 Coffee

1600 Funding of cal/val campaigns.

1630 Formulation of special recommendations to CEOS Working Group on Cal/Val (WGCV).

1715 Final comments, future meetings.

1730 Close.