

"Structural Dictionary" for IGBP-related projects/programs:

ICSU – International Council for Science = parent organization of IGBP

ESSP – Earth Systems Science Partnership = partnership between:

IGBP – International Geosphere Biosphere Program

WCRP – World Climate Research Program

IHDP – International Human Dimensions Program

DIVERSITAS – a program addressing Biodiversity issues

Joint Projects under the ESSP:

GCP – Global Carbon Project

GECAFS – Global Environmental Change and Food Systems

GWSP – Global Water Systems Project

START – SysTEM for Analysis, Research, and Training

IGBP SC Tasks/Framework Activities:

PAGES – PAst Global changES

AIMES – Analysis, Integration and Modeling of Earth Systems

{GAIM – Global Analysis, Integration and Modeling; evolved into AIMES}

IGBP Core Projects:

Land:

GLP – Global Land Project

{GCTE – Global Change & Terrestrial Ecosystems – part of GCP; ended 2003}

{LUCC – Land-Use and Land-Cover Change – ended 2005}

Oceans:

GLOBEC – Global Ocean Ecosystem Dynamics; joint IGBP, SCOR

IMBER – Integrated Marine Biogeochemistry & Ecosystem Research; joint IGBP, SCOR

{JGOFS – Joint Global Ocean Flux Study – ended 2003}

Atmosphere:

IGAC – International Global Atmospheric Chemistry

Land-Atmosphere Interface:

ILEAPS – Integrated Land Ecosystem-Atmosphere Process Study

{BAHC – Biospheric Aspects of the Hydrologic Cycle – ended 2002}

Ocean-Atmosphere Interface:

SOLAS – Surface Ocean Lower Atmosphere; joint IGBP, WCRP, SCOR & CACGP

Land-Ocean Interface:

LOICZ – Land-Ocean Interactions in the Coastal Zone; joint IGBP, IHDP

WCRP Core Projects:

CLIVAR – Climate Variability and Predictability

CliC – Climate and Cryosphere

SPARC – Stratospheric Processes And their Role in Climate (a project of the WCRP)

GEWEX – Global Energy and Water Cycle Experiment

COPEs – Coordinated Observation and Prediction of the Earth System (a WCRP strategy)

Other Acronyms:

CACGP – Commission on Atmospheric Chemistry and Global Pollution

IAMAS – International Association of Meteorology and Atmospheric Sciences

SCOR – Scientific Committee on Oceanic Research

IGOS – Integrated Global Observing Strategy

IGACO – Integrated Global Atmospheric Chemistry Observations

A great resource for scientific acronyms, maintained by CSIRO:
<http://www.dar.csiro.au/library/faqsandtips/acronyms.html#>

An extension to the Acronym Dictionary...

Based on a talk given by Berrien Moore at the 2005 IGBP SC meeting

GEO Group on Earth Observation

 GEOSS Global Earth Observation System of Systems

<http://earthobservations.org/default.asp>

IGOS Integrated Global Observing Strategy

IGOS-P (IGOS-Partners)

<http://ioc.unesco.org/igospartners/igoshome.htm>

IGOS seeks to unite and guide the major satellite and surface-based systems for global environmental observations of the atmosphere, ocean and land. Implementation is through IGOS partners

IGOS-Partnership:

 ~ *Space Agencies, vis Committee on Earth Obs Satellites (CEOS)*

 ~ *Global Observing Systems*

 > *Global Ocean Observing System (GOOS)*

 > *Global Terrestrial Obs System (GTOS)*

 > *Global Climate Obs System (GCOS)*

 ~ *2 major research programs IGBP and WCRP*

 ~ *International Group of Funding Agencies (IGFA) and Int'l Council for Science (ICSU)*

IGOS-P Themes

 IGACO Theme: Integrated Global Atmos Chem Observation theme

 IGCO Theme: Integrated Global Carbon Observation theme

 etc...

→ These themes are being looked at by the space agencies in terms of where they are going to spend their money.

→ The thought is that the GEOSS document is going to give rise to an organization, housed at the WMO. 10 people and annual budget of ~3.5M USD