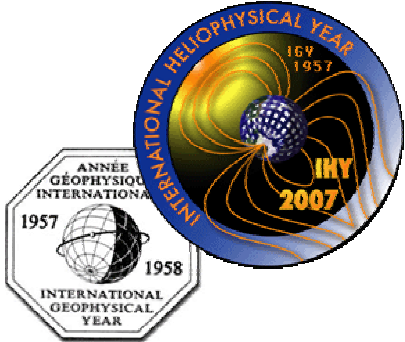


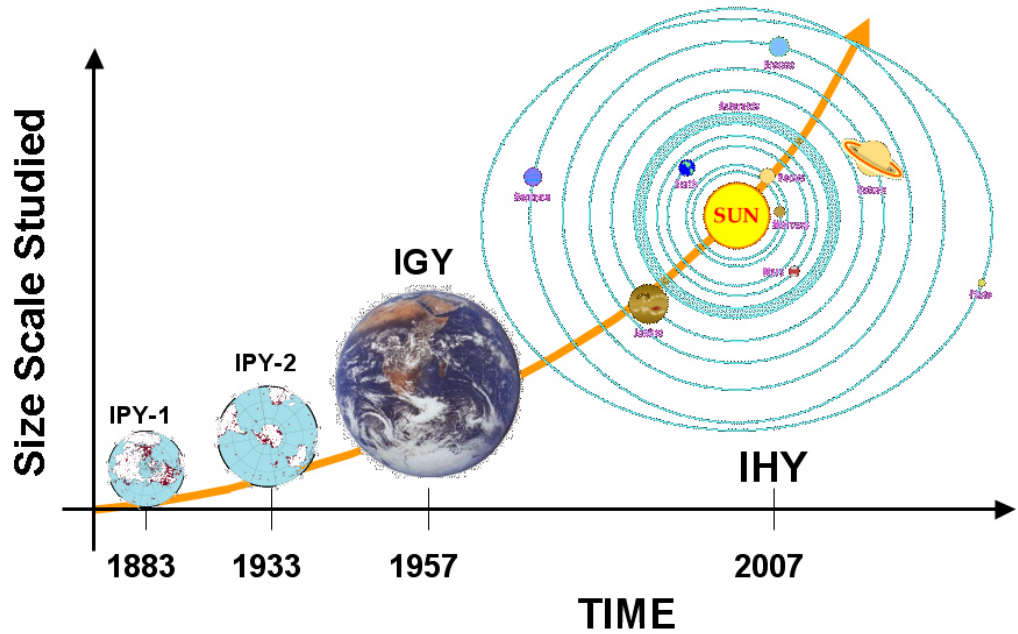
IHY Coordinated Investigation Programmes (CIPs)

Barbara J. Thompson
IHY Secretariat
Richard Stamper
IHY-UK



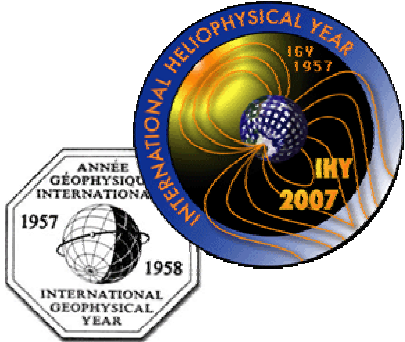


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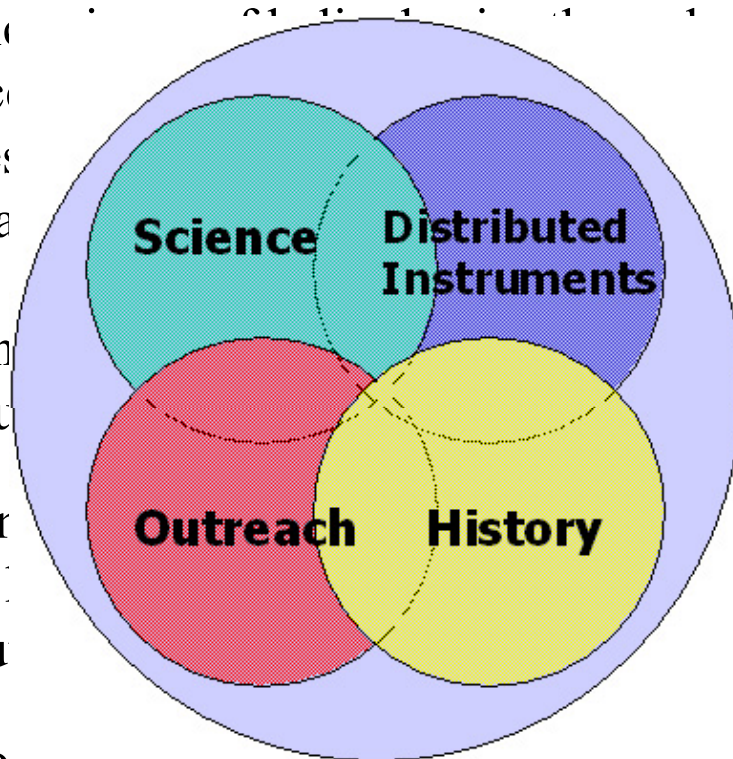
Heliophysical: A broadening of the concept "geophysical," extending the connections from the Earth to the Sun & interplanetary space.

On the 50th anniversary of the International Geophysical Year, the 2007 IHY activities will build on the success of IGY 1957 by continuing its legacy of system-wide studies of the extended heliophysical domain.



IHY has the following goals:

- Develop the basic of universal proc
- Determine the res planetary ma drivers.
- Promote research interstellar medi
- Foster internation the study of and in the fu
- Preserve the history and legacy of the IGY on its 50th Anniversary.
- Demonstrate the Beauty, Relevance and Significance of Space and Earth Science to the World and Inspire our Future Explorers



cross-disciplinary studies

SCIENCE Journal

toward to the local

OBSERVATORY DEVELOPMENT

HISTORY

EDUCATION

INTERNATIONAL HELIOPHYSICAL YEAR

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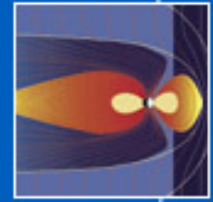
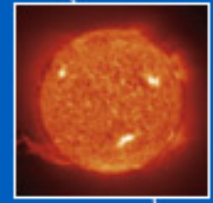
Advancing our Understanding of the Fundamental Heliophysical Processes that Govern the Sun, Earth and Heliosphere

Continuing the tradition of international research and advancing the legacy on the 50th anniversary of the International Geophysical Year

Demonstrating the Beauty, Relevance and Significance of Space and Earth Science to the World

International Geophysical Year

Continuing a Tradition of International Collaboration on the 50th Anniversary of IGY 1957



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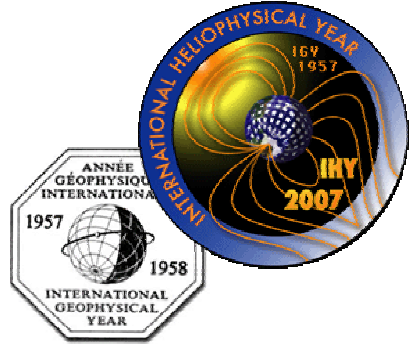
日本語



Polska



UK



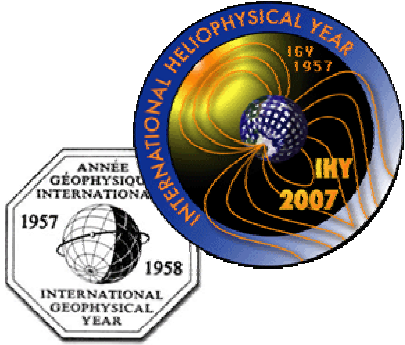
How CIPs Work

3-Step Process:

Propose: A researcher proposes activities with specific science goals, requiring multiple resources not necessarily under his or her control. This is done using a form on this website, where there is also a list of CIPs proposed so far.

Coordinate: IHY Discipline Coordinators review the proposal to co-ordinate with other CIPs and to link the proposer with representatives for instruments, observatories, and models. The Proposer and facility representatives arrange the details of observation modes, schedules etc. and do the work.

Review: IHY Universal Process Workshop Planners identify relevant CIPs to start planning summary workshops. These will happen towards the end of 2007 and into 2008, and provide forums for drawing together and reviewing the results from IHY science.

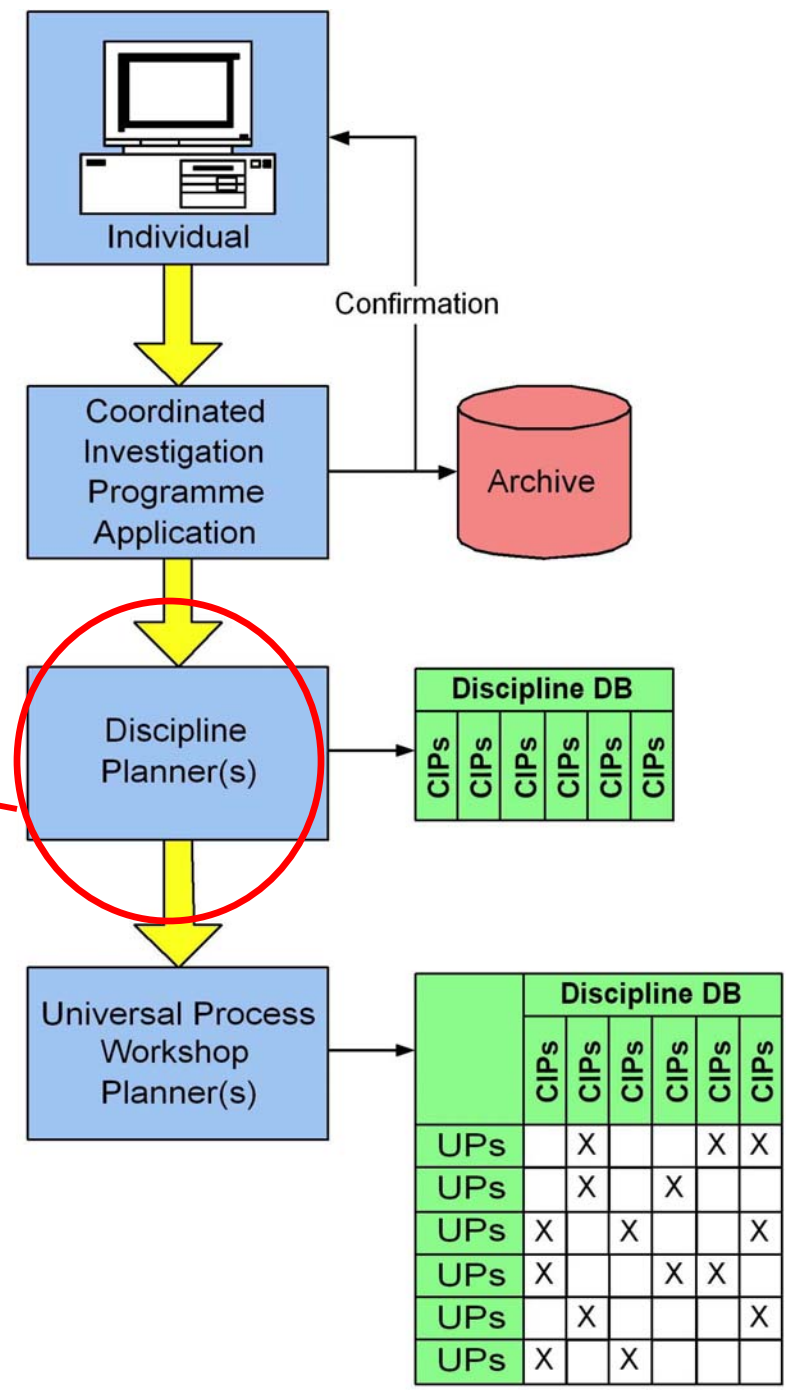


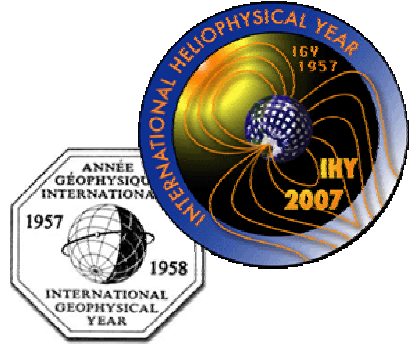
• Discipline planners in following categories receive CIPs:

- Solar
- Heliosphere
- ITM
- Magnetosphere
- Climate
- Heliobiology

• CIPs executed throughout IHY

• Results of CIPs are used in Universal Processes Workshops

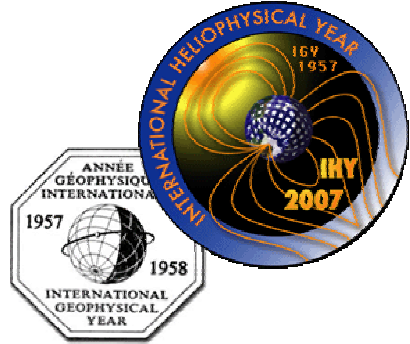




Discipline Coordinators

A number of Discipline Coordinators have been recruited and have begun the process of coordinating the CIP proposals submitted to date. The current list of coordinators follows, and it is anticipated that more names will be added in the near future.

Discipline	Coordinators
Solar	Dipankar Banerjee (dipu@iiap.res.in) Sarah Gibson (sgibson@ucar.edu)
Heliospheric/Cosmic Rays	José Valdés-Galicia (jvaldes@geofisica.unam.mx) Bernd Heber (heber@physik.uni-kiel.de)
Magnetospheres	Kiyohumi Yumoto (yumoto@geo.kyushu-u.ac.jp) Walter Gonzalez (gonzalez@dge.inpe.br)
Ionized Atmospheres	Ian McCrea (I.McCrea@rl.ac.uk) Kirsti Kauristie (Kirsti.Kauristie@fmi.fi)
Neutral Atmospheres	Tim Fuller-Rowell (tim.fuller-rowell@noaa.gov)
Climate	<i>None yet in place</i>
Astrobiology/Space Medicine	<i>None yet in place</i>
Other	Richard Stamper (r.stamper@rl.ac.uk)



CIPs

- Coordinated Investigation Programs (CIPs): Basic unit of scientific research within IHY
 - Will combine observation and modeling to address an observational objective
- Grass-Roots Driven, originated by researcher using web form
 - CIP site online and accepting proposals
- Many examples identified in planning workshops
 - Comparative Planetary Aeronomy
 - Whole Heliosphere Intervals
 - Reconnection, Shock acceleration, ... etc
- CIPs organized into Universal Processes by coordinators
- Cross-cutting scientific data analysis workshops organized by corresponding Universal Process