

IPY Space Task Group (STG)



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What is IPY STG?

- The Space Task Group (STG) of the Sub-committee on Observations of the WMO/ICSU Joint Committee of IPY is the body tasked with addressing how to meet the space observation requirements of IPY.
- It is comprised of nominated representatives of 14 Space Agencies with secretarial support provided by WMO. The main work concentrated on achieving the observational requirements as defined through:
 - Pre-IPY Town Hall meetings at AGU
 - Space Agency IPY Announcements of Opportunities,
 - IGOS-P Cryosphere Theme
 - WCRP CliC
 - SCOBS IPY survey of institutional observation requirements
- 4 STG meetings + 3 SAR Coordination Mtgs + 4 Telecons
- Next Mtg (STG5) – 30 Nov–2 Dec., 2009

- [STG Sunset @](#)



INTERNATIONAL POLAR YEAR
OSLO SCIENCE CONFERENCE
2010 ☉ 8-12 JUNE

Agency Members

Brazil – INPE

Canada - CSA

China – CMA

Europe – ESA + EUMETSAT (includes 23 European States)

France – CNES

Germany – DLR

Italy – ASI

Japan – JAXA

Russian Federation – ROSHYDROMET/PLANETA

UK – BNSC

USA – NASA + NOAA + USGS

+

GIIPSY – Global IPY Interagency Snapshot Year (IPY Project rep)

IPY Data Rep

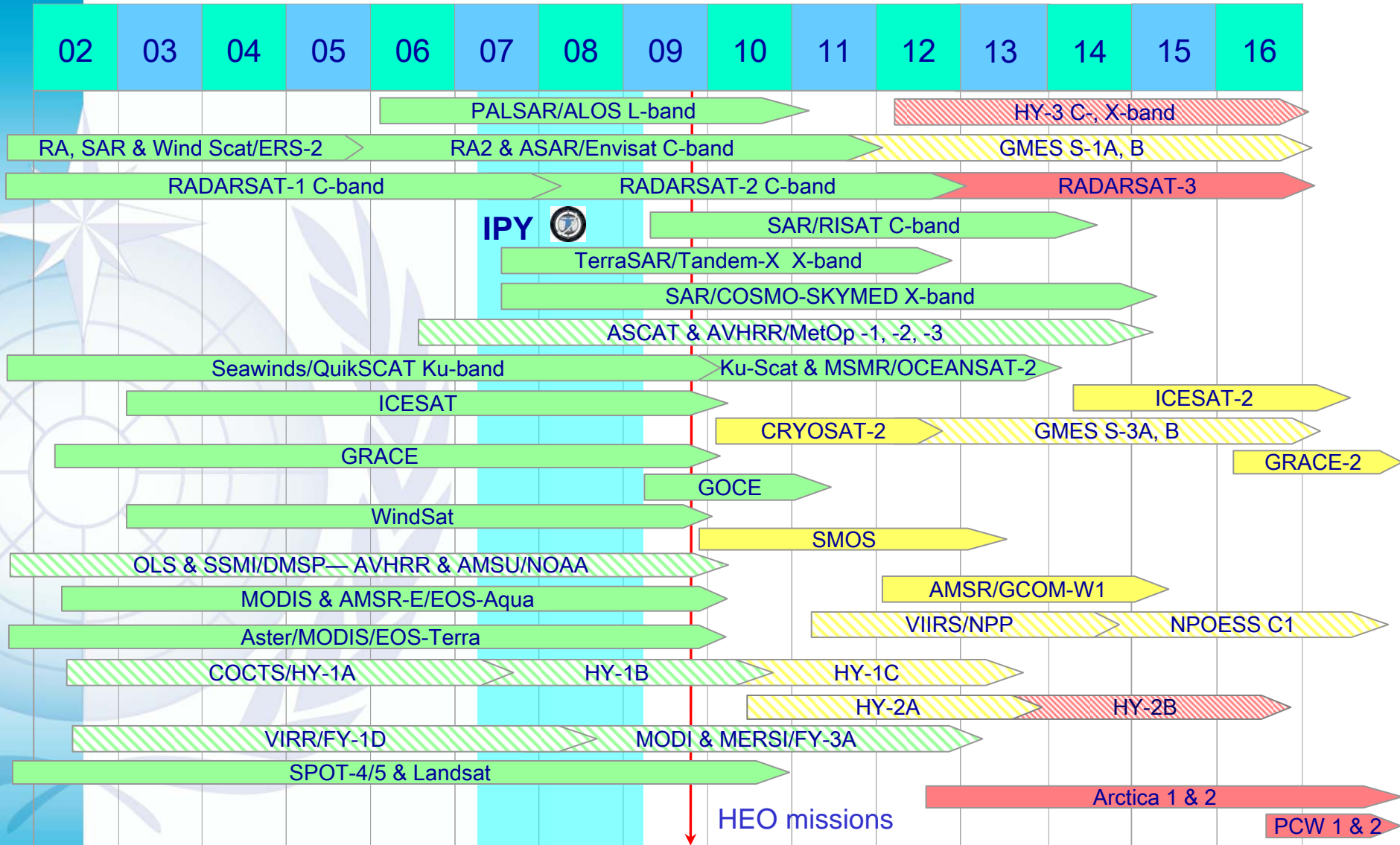
WCRP CliC Rep

WMO Secretariat + IPY JC Rep

WMO Space Office rep

GEO Sec. Rep

Cryosphere Satellite Missions



PORS1 In orbit Approved Planned/Pending approval

See <http://geo-cryosphere.org>

What is Unique about STG?

- STG Members respond to specific user needs collated via GIIPSY IPY Project
- STG coordinates across CEOS and CGMS Agencies (i.e. R&D and Operational Met Agencies)
- STG SAR sub-group addressed “tasking” of satellites (i.e. acquisition planning)
- Agencies spread acquisition burden (given real operational constraints of R&D sats)
- Members have assembled ‘Data Portfolios’ to meet IPY Legacy goal

Key STG Milestones

- Acquisition of comprehensive multi-satellite, bipolar snapshots;
- Impressive array of new products planned, acquired and archived;
- Significant progress achieved in building a space obs infrastructure element of the IPY data legacy;
- Engagement of IGeoLab partners towards towards new mission concepts:
 - Highly Elliptic Orbit „Arktika“ mission (Russian Federation)
 - Polar Comms and Weather mission (Canada)

Future of STG?

- Yes/No? - If No then 2010 Oslo Sunset

If Yes then:

- Must be given fresh mandate & re-engage Agency members
- Must be Requirements Driven:
 - IGOS Cryosphere
 - GCOS ECV's
 - GEO SBA's
 - GMES/EU Policy & Service reqt's (e.g PolarView)
 - **Note today WCRP do not place requirements on Space Agencies
- Must bridge CEOS & CGMS (Federate Agencies in common goal)
- Shall contribute to realising GOS Vision
- Shall address GEOSS goals
- Shall address GCW product and service related needs
- Is broader than "polar" mandate of PORS
 - Polar Sat Constellation aligned with CEOS/GEO virtual constellation idea
 - Addresses medium term goal of IGOS Cryo. (& CryOS)

STG → Polar Virtual Constellation (PVC Space Task Group)

Key Questions

- Is it most effective to conclude STG and reinvent group for IPD?
- Who is requesting involvement of Agencies in IPD or whatever comes after IPY?
- What is the political framework and mandate of a new group?
- How to tap energies of individuals if new Agency reps.?
- Who shall Chair such a group?
- How to retain interest over long time span
 - 2-3yr rotation cycles typical of working groups. Longer is a problem