

# The IGS Strategic Plan: Implementation Plan for 2012

Strategies	Goals	Actions required
<b>1. Deliver world-standard quality GNSS data and products to all users globally with leading-edge expertise and resources.</b>	1.1 Serve as the premier source of the highest-quality GNSS related standards (conventions), data and products, openly available to all user communities.	<ul style="list-style-type: none"> <li>• Monitor progress of next generation combination software “ACC 2.0” development and make presentation at 2012 IGS Workshop [ACC, GB]</li> <li>• Plan for the transition of the IGS Real Time Pilot Project to an IGS Service [RT WG, GB]</li> <li>• Set and implement targets for the second IGS Reprocessing Campaign [ACC, ACs, GB]</li> <li>• Participate in RTCM standardisation activities, coordinating relevant IGS inputs and reporting back to GB [CB, IC]</li> <li>• Play a leading role in defining and maintaining RINEX, define status and timeline for way forward in a “one-pager” document [RINEX/RTCM WG, GB]</li> <li>• Set 2012 targets and priorities for the Infrastructure Committee [IC, GB]</li> <li>• Define and implement a process for obtaining and reporting on user feedback [CB, GB]</li> <li>• Appoint an IGS Network Coordinator – address issues such as defining functions, recruitment, securing funding, establishing relationship with IC, reporting lines, etc. [GB, CB, IC]</li> <li>• Establish process for defining and implementing workshop recommendations, with clear responsibilities [GB]</li> <li>• Set objective(s) for all working groups and provide updated ToRs and membership lists – include top objective for each WG in this plan [WG Chairs]</li> </ul>
	1.2 Attract leading-edge expertise to pursue challenging, innovative projects in a collegial, collaborative and creative culture.	<ul style="list-style-type: none"> <li>• Develop on website a portfolio of examples of innovative new products and services based on IGS, similar to <a href="http://gps.gov">http://gps.gov</a> or <a href="http://www.unavco.org/research_science/science-apps/science-apps.html">http://www.unavco.org/research_science/science-apps/science-apps.html</a> [CB]</li> <li>• Identify government or academic organizations that can play a greater role in IGS, e.g. as analysis centers for new products, AACs, etc. [CB, GB]</li> <li>• Engage with groups undertaking global multi-GNSS analysis and encourage participation in M-GEX [GB, all elements]</li> <li>• Encourage Wuhan University, Shanghai Astronomical Observatory (China) and GSI (Japan) to become AACs or ACs [GB]</li> <li>• Use the 2012 IGS Workshop as an opportunity to promote IGS agendas wrt M-GNSS, open data policy, upgrade and expansion of network, and development of new services and analysis products [GB, all]</li> </ul>
<b>2. Develop, integrate, and participate with new and changing GNSS systems and understand user needs to continuously improve IGS services and to</b>	2.1 Incorporate and integrate new systems, technologies, applications and changing user needs into IGS products and services.	<ul style="list-style-type: none"> <li>• Monitor progress of M-GEX tracking campaign, invite participants to 2012 IGS 2012 Workshop to present results [GNSS WG, GB]</li> <li>• Coordinate with agencies in Japan, China, Russia in their plans to extend networks of M-GNSS receivers, e.g. JAXA MGM CfP and announced Compass CfP [GB, EC, IC]</li> <li>• Encourage ACs to process multi-GNSS data from M-GEX, as well as current GLONASS data, including engineering analysis of new data types [GB, IC, GNSS WG, ACC, ACs]</li> <li>• Define process for converting the IGS tracking network to an M-GNSS network without disrupting the long coordinate time series [(IC)]</li> <li>• Define way to include stations from GNSS providers for tying reference frames (RF WG, ACC, IC)</li> <li>• Develop web-based register of IGS stations, and develop annual metrics for number, geographic</li> </ul>

<b>provide value to a broad range of users.</b>		<p>distribution, type of receiver, etc. [IC, NC, CB]</p> <ul style="list-style-type: none"> <li>Address all issues associated with converting RT-PP to an IGS Service – CfP, ToR, WG/Coordinator, product specs, etc. [GB, CB, RT WG]</li> </ul>
	2.2 Facilitate the integration of IGS into the Global Geodetic Observing System (GGOS) and other more broadly based Earth observing and global navigation systems and services.	<ul style="list-style-type: none"> <li>Maintain engagement with GGOS, in particular the Coordinating Board and Bureau for Networks &amp; Communications [GB]</li> <li>Promote IGS products as GGOS products, and ensure efficient distribution via GGOS Portal [CB, all elements]</li> <li>Engage with GGOS Inter-Agency Committee (GIAC) to ensure that funding for ongoing IGS operations is placed on a sustainable footing [GB, CB]</li> <li>Continue IGS support to International Committee on GNSS (ICG), including Reference Frame and Timing Task Forces, the International GNSS Monitoring and Assessment System iGMAS, as well as raising other user-issues [GB, RF WG, CB]</li> <li>Support participating agencies with transition to a multi-GNSS tracking network, through appropriate Infrastructure Committee activities [GB, IC]</li> </ul>
<b>3. Continuously improve the effectiveness of IGS management and governance to support future growth.</b>	3.1 Maintain an international federation with committed contributions from its members, and with effective leadership, management and governance.	<ul style="list-style-type: none"> <li>Implement and launch new IGS website [CB]</li> <li>Prepare timely technical and annual reports [all elements]</li> <li>Develop new 5 year IGS Strategic Plan (2013-2017) [GB]</li> <li>Develop an annual Operating Plan for the CB [CB]</li> <li>Balance GB meetings between strategic directions &amp; technical issues [GB]</li> <li>Membership Committee to review Associate Member list and propose means of increasing diversity of AMs [GB]</li> <li>Identify areas of the world where more IGS sites are required and develop strategies for engagement with appropriate agencies in those countries [CB, NC, IC, GB]</li> <li>Restructure and/or re-focus activities of the GNSS WG [GB, GNSS WG]</li> </ul>
	3.2 Promote the value and benefits of IGS to society, the broader scientific community, and in particular to policy makers and funding entities.	<ul style="list-style-type: none"> <li>Establish a webpage on the IGS website similar to the <a href="http://pnt.gov">http://pnt.gov</a> site where direct links to IGS (&amp; affiliated organisation) conference/workshop presentations would facilitate “one-stop” downloads, highlighting opportunities for engagement with policy makers, etc, for outreach [CB]</li> <li>Review concept of the “IGS Foundation” - develop set of goals, ToR, etc. [GB, CB]</li> <li>Support conferences and special sessions focused on IGS products and applications [all elements]</li> <li>Continue to engage with professional organisations such as FIG, ISPRS, ION, including recruitment into IGS WGs [GB, CB]</li> <li>Address IGS R-T streams and reference frame issues at FIG working week in May 2012 in Rome [RT WG, EC]</li> </ul>