

Responses to the GGOS Call for Participation

Legend:

SCGr	Superconducting Gravimeter
ABGr	Absolute Gravity Site
Legacy	Legacy Systems ~ cm
NT	New Technology ~ mm

Institution	Country	Site	Current SG Systems	Other Systems	Current Status	Proposed or Projected Status	Comment
BKG, FESG, etc	Germany	Wettzell	Legacy SLR, VLBI GNSS, local network Twin VGOS in process NT SLR in process	SCGr, ABGr Ring Laser, seismometer, bore hole pendulum, tiltmeter	Legacy Core Site	Twin VGOS and NT SLR underway. Proposed DORIS	Ground Survey capability, Ground-based network and environmental monitoring capability; Time/Freq and Dev. laboratory
NERC	UK	Herstmonceux	NT SLR, GNSS, local network	ABGr, Seismometer	NT SLR Site	Proposing VLBI	Environmental Monitoring,
IRA	Italy	Medicina	Legacy VLBI GNSS local network	SCGr	Legacy VLBI Site	Upgrading to VGOS mount and receiver	Strong ground survey and tie vector analysis survey and
		Noto	Legacy VLBI under repair GPS		Legacy VLBI Site; being repaired	Planning for upgrade to VGOS	
		Sardinia	GPS; Legacy VLBI under repair		Candidate Legacy VLBI Site		
OSO	Sweden	Onsala	Legacy VLBI and GNSS	SCGr, ABGr, Seismometer, Tide Gauge, VLBI Correlator	Legacy VLBI Site,	Planning for VGOS capability, Add'l GNSS	Ground survey capability; strong atmospheric group; Time and Frequency Lab
FGI	Finland	Metshovi	Legacy VLBI, DORIS; GPS and GLONASS Legacy SLR being upgraded	ABGr, SCGr, seismometer	Legacy VLBI Site	Planning NT SLR and VGOS; multiple constellation GNSS	High capacity communications; Ground based geodetic capability; Gravity Lab.
IGN	Spain	Yebes	Legacy VLBI, GPS; VGOS antenna underway	SCGr, ABGr, seismometer	Legacy VLBI	Planning for NR SLR and VGOS Add'l GNSS	Plan for high capacity communication; Plan for automated site tie system
		Canary I.			Candidate VGOS Site	Planning VGOS	
		Santa Maria (Azores)			Candidate VGOS Site	Planning VGOS	

		Flores (Azores)			Candidate VLBI 2010 Site	Plannng VGOS	
SPC/PAC	Poland	Borowiec	Legacy SLR under repair and upgrade; GPS		Candidate SLR Site		Time Service
SHAO	China	Shanghai	Legacy SLR and VLBI GPS		Legacy Core Site	Planning NT SLR and VGOS	Developing automated local survey technique, Developing Correlator
		Beijing	Legacy VLBI, GPS Legacy SLR coming back in operation		Legacy SLR Site; (Legacy Core Site when VLBI participates in IVS)	Upgrading SLR;	
		Changchun	Legacy SLR, GPS		Legacy SLR Site	Planning VGOS	
		Wuhan	Developing new SLR GPS		Candidate SLR Site	Implementing new SLR	
		Kunming	Legacy VLBI; GPS		Candidate VLBI Site when participation in IVS	Implementing new SLR;	
		Urumuqi	Legacy VLBI, GPS		Legacy VLBI Site	Planning SLR	
		Sanyo			Planned Core Site	Planned SLR, VLBI, and GNSS	
	Argentina	San Juan	Legacy SLR, GPS (?)		Legacy SLR Site	Planning VLBI	Submission not yet received
Geoscience Australia	Australia	Yarragadee	Legacy SLR, VLBI with VGOS antenna; DORIS GNSS, local network		Legacy Core Site	Planning upgrade to VGOS;	Strong site tie capability;
		Mt. Stromlo	Legacy SLR, DORIS GNSS, local network		Legacy SLR Site		
		Katherine	VLBI with VGOS antenna; GNSS		Legacy VLBI site	Planning upgrade to VGOS	
		Hobart	Legacy VLBI with New Tech. antenna; GNSS		Legacy VLBI site	Planning upgrade to VGOS	
NASRDA	Nigeria	Toto	GPS		GPS Site Offering to host a Core Site		
NASA	USA	GSFC	Legacy SLR and VLBI DORIS GNSS, local network Developing NGSLR and VGOS		Legacy Core Site; Developing New Technology Core Site with NGSLR, VGOS, and GNSS.		Strong Site Tie Capability
NASA/MIT	USA	Westford	Legacy VLBI ad GNSS;		Legacy VLBI Site		VLBI development center

			VGOS development				
NASA/USNavy	USA	Kokee Park	Legacy VLBI ,GPS		Legacy VLBI Site		
NASA/UdeC, IGM,BKG	Brazil	Fortaleza,	Legacy VLBI, GPS		Legacy VLBI Site		
	USA	Monument Peak	Legacy SLR, GPS		Legacy SLR Site		
NASA/UT	USA	McDonald Observatory	Legacy SLR, GPS		Legacy SLR Site		
NASA/GA	Australia	Yarragadee	Legacy SLR and VLBI GNSS local network, DORIS VGOS antenna in process		Legacy Core Site		(see Geoscience Australia)
NASA/NRF	South Africa	Hartebeesthoek	Legacy SLR, VLBI, and GNSS		Legacy Core Site		(see National Research Foundation)
	USA	Mt Haleakala	Legacy SLR, GPS		Legacy SLR Site		
NASA/GRGS/ UPF	French Polynesia	Papeete	Legacy SLR, GPS		Legacy SLR Site		
		Arequipa	Legacy SLR, GPS		Legacy SLR Site		

Research Institute of Geodesy	Czech Republic	Pecny	GNSS Network	ABGr, SCGr, seismometer	Legacy GPS Site	Planning SLR, VLBI and DORIS	
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National Research Foundation	South Africa	Hartebeesthoek Radio Astronomy Observatory	Legacy SLR, DORIS Legacy VLBI (shared) GNSS local network	Wideband gravimeter and accelerometer in 2012	Legacy Core Site Proposal Submitted for VGOS and NT SLR	Network of mixed technology African GPS stations	
		Matjiesfontein	Legacy GNSS; Possible site for LLR, DORIS				
		Klerfontein	Possible site Russian SLS				

ASI	Italy	Matera	Legacy SLR and VLBI GPS local network	ABGr, ground monitoring network, high precision met station.	Legacy Core Site	Plan to upgrade SLR and VLBI to new Tech. Plan SCGr,	Time and Frequency Facility
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KACST	Saudi Arabia	Riyadh	Legacy SLR, GPS		Legacy SLR Site	Plan to build 16 GNSS sites, plan to include DORIS.	
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National Mapping Agency	Norway	Ny Alesund	Legacy VLBI, DORIS Legacy GNSS Network	SCGr, AGr, Tide Gauge,	Legacy VLBI Site	Twin VGOS underway; Planning NG SLR	Unique high latitude site Ground survey expertise
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Russian Academy of Sciences	Russia	Svetloe	Legacy VLBI and SLR, Legacy GNSS local network		Legacy Core Site	Plan to upgrade to NT SLR and VGOS	
		Zebrucheskaya	Legacy VLBI and SLR, Legacy GNSS local network		Legacy Core Site	Plan to upgrade to NT SLR and VGOS	
		Badari	Legacy VLBI, SLR, DORIS Legacy GNSS network		Legacy Core Site	Upgrade to NT Systems Plan for ABGr,	