

List of Points of Contact (6 June 2009)				
Part 1: Building an Integrated GEOSS	OVERARCHING TASKS	SUB-TASKS	LEAD providing a PoC	
			Entity carrying out the work	Email
ARCHITECTURE	AR-09-01: GEOSS Common Infrastructure (GCI)	AR-09-01a: Enabling Deployment of a GEOSS Architecture	USA (FGDC)	ddnebert@usgs.gov
		AR-09-01b: GEOSS Architecture Implementation Pilot	OGC	gpercivall@opengeospatial.org
		AR-09-01c: GEOSS Best Practices Registry	IEEE	ruth.duerr@ieee.org
		AR-09-01d: Ontology and Taxonomy Development	Japan (University of Tokyo)	shiba@csis.u-tokyo.ac.jp
	AR-09-02: Interoperable Systems for GEOSS	AR-09-02a: Virtual Constellations	CEOS (NOAA)	mary.kicza@noaa.gov
		AR-09-02b: WIS	WMO	dthomas@wmo.int
		AR-09-02c: Sensor Web Enablement for In-Situ Observing Network Facilitation	South Africa (Meraka)	avahed@meraka.org.za
		AR-09-02d: Model Web Development	IEEE	gary.n.geller@jpl.nasa.gov
	AR-09-03: Advocating for Sustained Observing Systems	AR-09-03a: Global Terrestrial Observations	GTOS (FAO)	reuben.sessa@fao.org
		AR-09-03b: Legacy of the International Polar Year 2007-08	WCRP	vryabinin@wmo.int
		AR-09-03c: Global Ocean Observation System	GOOS	b.lee@unesco.org
		AR-09-03d: Global Observing System (GOS)	WMO	bryan@wmo.int
	AR-09-04: Dissemination and Distribution Networks	AR-09-04a: GEONETCast	USA (NOAA)	linda.moodie@noaa.gov
		AR-09-04b: GEONET	ESA	mirko.albani@esa.int
	AR-06-11: Radio Frequency Protection		WMO	philippe.tristant@meteo.fr
	DATA MANAGEMENT	DA-06-01: GEOSS Data Sharing Principles		ICSU (CODATA)
DA-09-01: Data Management		DA-09-01a: GEOSS Quality Assurance Strategy	CEOS (ESA)	Pascal.Lecomte@esa.int
		DA-09-01b: Data, Metadata and Products Harmonisation	CEOS (NOAA)	kenneth.mcdonald@noaa.gov
DA-09-02: Data Integration and Analysis		DA-09-02a: Data Integration and Analysis Systems	Japan (University of Tokyo)	shiba@csis.u-tokyo.ac.jp
		DA-09-02b: Ensemble-Technique Forecasting Demonstrations	UK (Met Office)	matthew.martin@metoffice.gov.uk
		DA-09-02c: Global Geodetic Reference Frames	IAG (GGOS)	hpplag@unr.edu
		DA-09-02d: Atmospheric Model Evaluation Network	USA (EPA)	keating.terry@epa.gov
DA-09-03: Global Data Sets		DA-09-03a: Global Land Cover	GTOS (GOFC-GOLD)	m.h@uni-jena.de
		DA-09-03b: Global Meteorological and Environmental Data	China (CMA-NSMC)	zhangp@cma.gov.cn
		DA-09-03c: Digital Geological Map Data	UK (BGS)	shm@bgs.ac.uk
	DA-09-03d: Global DEM	CEOS (UK(BNSC/UCL), WGCV)	jpm@mssl.ucl.ac.uk	

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CAPACITY BUILDING	CB-09-01: Resource (or Seville Roadmap) Mobilization		Spain (AEMET)	mangoloti@inm.es
	CB-09-02: Building Individual Capacity in EO	CB-09-02a: Recognition of Cross Border Education and Training in EO	Netherlands (ITC)	molenaar@itc.nl
		CB-09-02b: Summer Institute on Climate Information for Public Health	USA (IRI)	mthomson@iri.columbia.edu
		CB-09-02c: UN-SPIDER/GEO Summer Schools on Space-based Solutions for Disaster	UNOOSA	georg.magerl@unoosa.org
		CB-09-02d: CBERS/GEO Capacity Building Network	Brazil (INPE)	hilcea@dpi.inpe.br
		CB-09-02e: Earth Observation Game for Youth	IEEE	tamashiro@ieee.org
		CB-09-02f: GLOBE/GEO Climate Education Project	GLOBE	egeary@globe.gov
		CB-09-02g: GEONETCast Training	USA (NOAA)	linda.moodie@noaa.gov
		CB-09-03: Building Institutional Capacity to Use EO	CB-09-03a: Building National and Regional Capacity	UNEP
	CB-09-03b: Establishing Regional Capacity Building Networks		Netherlands (ITC)	mannaerts@itc.nl
	CB-09-03c: Building Capacity for Non-technical Decision-makers in the Use and Impact of EO		IEEE	peracette@mac.com
	CB-09-03d: Building Capacity for Operational Oceanography		Denmark (DMI)	js@dmi.dk
	CB-09-04: Capacity Building Needs and Gap Assessment	CB-09-04a: Identifying Best Practices, Gaps and Needs	Netherlands (ITC)	mannaerts@itc.nl
		CB-09-04b: Capacity Building Performance Indicators	UNESCO/IOC	j.berque@unesco.org
		CB-09-04c: User Oriented Workshops for GEOSS Outreach and Feedback	IEEE	jsp@sprintmail.com
	CB-09-05: Infrastructure Development and Technology Transfer for Information Access	CB-09-05a: Open Source Software	Brazil (INPE)	karine@dpi.inpe.br
		CB-09-05b: CBERS	Brazil (INPE)	julio@dpi.inpe.br
		CB-09-05c: SERVIR Expansion	USA (USAID)	cstokes@usaid.gov
		CB-09-05d: Geo-resources Services for Africa	EC (AEGOS)	m.urvois@brgm.fr
	SCIENCE & TECHNOLOGY	ST-09-01: Catalyzing R&D Funding for GEOSS		EC (RTD)
ST-09-02: Promoting Awareness and Benefits of GEO			EC (RTD)	gilles.ollier@ec.europa.eu
USER ENGAGEMENT	US-09-01: User Engagement	US-09-01a: Identifying Synergies between Societal Benefit Areas	USA (NASA)	lfriedl@nasa.gov
		US-09-01b: Communities of Practice and Partnership Development	USA (EPA)	foley.gary@epa.gov
	US-09-02: Socio-Economic Indicators	US-09-02a: Socio-Economic Benefits of GEO and GEOSS	IIASA (GEOBENE)	oberstei@iiasa.ac.at
		US-09-02b: Socio-economic and Demographic Global Data	UNECA (ISTD/GISS)	ezigbalike.uneca@un.org
		US-09-02c: Global Road and Human Settlements Mapping on GEO Grid	Japan (AIST)	iwao.koki@aist.go.jp
	US-09-03: Cross-Cutting Products and Services	US-09-03a: Development of Global Map for GEOSS Societal Benefit Areas	Japan (GSI)	fukushima@gsi.go.jp
		US-09-03b: Forest Mapping and Change Monitoring	FAO	mette.loychewilkie@fao.org
		US-09-03c: Bio-geophysical, Soil & Land Surface Data	EC (e-SOTER)	vincent.vanengelen@wur.nl
	US-09-03d: Global Phenology Data	Austria (ZAMG)	elisabeth.koch@zamg.ac.at	

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DISASTERS	DI-06-09: Use of Satellites for Risk Management		Canada (CSA)	guy.seguin@asc-csa.gc.ca
	DI-09-01: Systematic Monitoring for Geohazards Risk Assessment	DI-09-01a: Vulnerability Mapping and Risk Assessment	Italy (EU CENTRE)	fabio.dellacqua@eucentre.it
		DI-09-01b: Seismographic Networks Improvement and Coordination	Mexico (UNAM)	gerardo@geofisica.unam.mx
	DI-09-02: Multi-Risk Management and Regional Applications	DI-09-02a: Implementation of a Multi-Risk Management Approach	WMO	mgolnaraghi@wmo.int
		DI-09-02b: Regional End-to-End Disaster Management Applications	Canada (CSA)	guy.seguin@asc-csa.gc.ca
DI-09-03: Warning Systems for Disasters	DI-09-03a: Tsunami Early Warning System of Systems	IOC	p.kolermann@unesco.org	
	DI-09-03b: Implementation of a Fire Warning System at Global Level	GTOS (GOFC-GOLD)	bill.degroot@NRCan.gc.ca	
HEALTH	HE-09-01: Information Systems for Health		WHO	firthemi@who.int
	HE-09-02: Monitoring and Prediction Systems for Health	HE-09-02a: Aerosol Impacts on Health and Environment	WMO	lbarrie@wmo.int
		HE-09-02b: Air Quality Observations, Forecasting and Public Information	USA (EPA)	dickerson.phil@epa.gov
		HE-09-02c: Global Monitoring Plan for Persistent Organic Pollutants (POPs)	UNEP (POPS)	fouane@pops.int
		HE-09-02d: Global Monitoring Plan for Atmospheric Mercury	Italy (CNR-IIA)	pirrone@iia.cnr.it
	HE-09-03: End to End Projects for Health	HE-09-03a: Implementation of a Meningitis Decision-Support Tool	USA (HCF)	drogers@hc-foundation.org
		HE-09-03b: Towards a Globally Coordinated Malaria Warning System	CEOS (NOAA)	George.Jungbluth@noaa.gov
HE-09-03c: Ecosystems, Biodiversity and Health		USA (EPA)	foley.gary@epa.gov	
ENERGY	EN-07-01: Management of Energy Sources		Germany (DLR)	marion.schroedter-homscheidt@dlr.de
	EN-07-02: Energy Environmental Impact Monitoring		EC (EnerGEO)	emile.elewaut@tno.nl
	EN-07-03: Energy Policy Planning		France (MINES ParisTech)	thierry.ranchin@ensmp.fr
CLIMATE	CL-06-01: A Climate Record for Assessing Variability and Change	CL-06-01a: Sustained Reprocessing and Reanalysis of Climate Data	WCRP (WOAP)	trenbert@ucar.edu
		CL-06-01b: Extending the Record of Climate Variability at Global Scale	IGBP (PAGES)	thorsten.kiefer@pages.unibe.ch
		CL-06-01c: Key Climate Data from Satellite Systems	GEOS (NOAA)	mitch.goldberg@noaa.gov
	CL-09-01: Environmental Information for Decision-making, Risk Management and Adaptation	CL-09-01a: Enhanced Climate, Weather, Water and Environmental Prediction	WMO	jcaughey@wmo.int
		CL-09-01b: Climate Information for Decision-making and Adaptation	GCOS	wwestermeyer@wmo.int
	CL-09-03: Global Carbon Observation and Analysis System	CL-09-03a: Integrated Global Carbon Observation (IGCO)	Australia (Melbourne Univ)	rogerd@unimelb.edu.au
		CL-09-03b: Forest Carbon Tracking	Australia (CSIRO)	alex.held@csiro.au
CL-09-03c: Global Monitoring of Greenhouse Gases from Space		Japan (JAXA)	moriyama.takashi@jaxa.jp	

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WATER	WA-06-02: Droughts, Floods and Water Resource Management	WA-06-02a: Forecasting for Droughts and Floods	USA (NOAA)	john.schaake@noaa.gov
		WA-06-02b: Impacts from Drought	Canada (University of Manitoba)	lawford@umbc.edu
		WA-06-02c: Mountain Water Resources	EC (ACQWA)	martin.beniston@unige.ch
		WA-06-02d: Prototype Regional Drought Early Warning Test Beds	USA (NIDIS, NOAA)	roger.pulwarty@noaa.gov
	WA-06-07: Capacity Building for Water Resource Management	WA-06-07a: Latin America	Canada (Univ. of Manitoba)	lawford@umbc.edu
		WA-06-07b: Africa	CEOS (ESA)	diego.fernandez@esa.int
		WA-06-07c: Asia	Japan (Jaxa)	ishida.chu@jaxa.jp
	WA-08-01: Integrated Products for Water Resource Management and Research	WA-08-01a: Soil Moisture	WCRP (GEWEX)	peter.vanoevelen@gewex.org
		WA-08-01b: Runoff	WMO	wgrabs@wmo.int
		WA-08-01c: Groundwater	Netherlands (IGRAC)	sophie.vermooten@deltares.nl
		WA-08-01d: Precipitation	CGMS	parkin@essic.umd.edu
		WA-08-01e: Water Cycle Data Integration	WMO	wgrabs@wmo.int
		WA-08-01f: Improved Water Discovery and Quality Assessments	IEEE	lyorjohn@aol.com
WA-08-01g: Global Water Quality Monitoring		USA (State of Wisconsin)	steven.greb@Wisconsin.gov	
WEATHER	WE-06-03: TIGGE and the Development of GIFS		WMO	jcaughey@wmo.int
	WE-09-01: Capacity Building for High-Impact Weather Prediction	WE-09-01a: Infrastructure for Numerical Weather Prediction	Korea (KMA)	jcnam@kma.go.kr
		WE-09-01b: Improved Predictions of High-Impact Weather in Africa	WMO	jcaughey@wmo.int
ECOSYSTEMS	EC-09-01: Ecosystem Observation and Monitoring Network (GEO EcoNet)	EC-09-01a: Ecosystem Classification and Mapping	USA (USGS)	rsayre@usgs.gov
		EC-09-01b: Ecosystem Status and Trends	USA (USGS)	dmuchoney@usgs.gov
		EC-09-01c: Regional Networks for Ecosystems	POGO	shubha@Dal.Ca
		EC-09-01d: Protected Areas Assessment and Monitoring	UNEP (WCMC)	jorn.scharlemann@unep-wcmc.org
	EC-09-02: Ecosystem Vulnerability to Global Change	EC-09-02a: Impact of Tourism on Environmental and Socio-Economic Activities	Greece (Greek GEO Office)	greekgeo@admin.noa.gr
		EC-09-02b: Impact of Transport Infrastructure Development	UNECA (NRID)	tguebo@uneca.org
		EC-09-02c: Vulnerability of Sea Basins	EC (EnviroGRIDS)	anthony.lehmann@unige.ch
		EC-09-02d: Vulnerability of Mountain Regions	Italy (Ev-K2-CNR)	evk2cnr@evk2cnr.org
AGRICULTURE	AG-06-02: Data Utilization in Fisheries and Aquaculture		Canada (BIO and CSA)	forgetmh@mar.dfo-mpo.gc.ca
	AG-07-03: Global Agricultural Monitoring	AG-07-03a: Global Agricultural Monitoring System	USA (Univ of Maryland/NASA/USDA)	justice@hermes.geog.umd.edu
		AG-07-03b: Agricultural Risk Management	WMO	rstefanski@wmo.int
		AG-07-03c: Expanding EO Applications in Agriculture and Promoting Capacity Build	Uganda (DPRTRP)	johnson.owaro@gmail.com
BIODIVERSITY	BI-07-01: Developing a Biodiversity Observation Network	BI-07-01a: Biodiversity Observation Network (GEO BON)	DIVERSITAS	anne@diversitas-international.org
		BI-07-01b: Invasive Species Monitoring System	USA (USGS)	asimpson@usgs.gov
		BI-07-01c: Capturing Historical and New Biodiversity Data	GBIF	vchavan@gbif.org