

GEO Work Programme 2017-2019 List of proposed contributions

Community Activities

	Description	D	IN	Sent by	Remarks
CA-01	Global Land Cover			Brice Mora, GOFC-GOLD Chen Jun (NSDI, China) Chris Steenmans, EEA Andreas Brink, JRC Zoltan Szantoi, JRC	
CA-02	Land Cover for Africa	X		Farah Hussein, RCMRD Africa Flores	
CA-03	Access to climate data in GEOSS			Glenn Rutlegde, NOAA Michel Rixen, WCRP	
CA-04	Strengthen collaboration between GEO and GFCS			Meredith Muth, NOAA, USA Stefan Rösner, DWD, Germany	

	Description	D	IN	Sent by	Remarks
CA-05	TIGGE (ThorpeX Interactive Grand global Ensemble) evolution into a Global Interactive Forecast System (GIFS)			Jean-Noel Thepaut, ECMWF	
CA-06	EO data and mineral resources (Includes also the, Impact Monitoring System for Geo-Resource Exploration and Exploitation)	X		Stephane Chevrel, BRGM, France	
CA-07	Integrated Water cycle Products and Services – Overall coordination			Richard Lawford, Morgan State University, USA	Integrated into GI-20 GEOGLOWS
CA-08	Water Vapor and Clouds (and Aerosol and Precipitation)		X	Ralph Ferraro, NOAA/NESDIS USA	
CA-09	Precipitation		X	George Huffman: GFSC, NASA, USA	
CA-10	Evapotranspiration (and Evaporation)		X	Forrest Melton NASA USA	

	Description	D	IN	Sent by	Remarks
CA-11	Soil Moisture		X	Peter van Oevelen, GEWEX	
CA-12	River Discharge/Streamflow		X	Dominique Berod WMO	New lead
CA-13	Groundwater		X	Neno Kukuric IGRAC	
CA-14	GEO Water Quality Community of Practice	X		Emily Smail, NOAA Steven Greb, WDNR USA	Title slightly changed
CA-15	Water Cycle Capacity Building		X	Angelica Gutierrez-Magness, CIEHLYC	
CA-16	Global Drought Information System (GDIS)			Will Pozzi USA	It is now proposed as an initiative.
CA-17	GEO Great Lakes Activity		X	Gail Faveri Canada Norman Granneman USA	
CA-18	Water Cycle Integrator (WCI)		X	Toshio Koike Japan	
CA-19	E2E Water Indicators	X		Charles J. Vörösmarty, CUNY Environmental CrossRoads Initiative, City University of New York USA	needs to be reformatted to fit the GEO framework
CA-20	Earth2Observe		X	J. Schellekens, NL	

	Description	D	IN	Sent by	Remarks
CA-21	Total Water Prediction: Observations Infrastructure (new-US)			Angelica Gutierrez, NOAA, USA	Integrated into GI-20 GEOGLOWS
CA-22	Linking water tasks with wider societal benefit areas and the post-2015 global development framework		X	Richard Lawford, Morgan State University, USA and Adrian Strauch, University of Bonn, Germany.	To be updated. The wetlands portion of this will be removed and submitted as part of the NEW wetland initiative
CA-23	Space and Security	X		Sergio Albani, European Union Satellite Centre (EU SatCen)	
CA-24	Earth Observation in Cultural Heritage documentation	X		Petros Patias, the Aristotle University, Greece	

	Description	D	IN	Sent by	Remarks
CA-25	Africa Global-scale Geochemical Baselines for mineral resource and environmental management: Capacity-building phase		X	Claudia Delfini, Eurogeosurveys	
CA-26	Towards Chinese tsunami mitigation system under GEO framework			WEN Ruizhi, Institute of Engineering Mechanics, China Earthquake Administration, China	
CA-27	Foster Utilization of Earth Observation Remote Sensing and In Situ Data for All Phases of Disaster Risk Management (new-CEOS)			Ivan Petiteville (CEOS) Kerry Sawyer (CEOS)	
CA.28	Global Flood Risk Monitoring (new-US)			NASA, USA David Green	
CA.29	Using Geospatial Data to Identify and Monitor Ecosystem Service			State Department USA John Matuszak	It is now proposed as

	Description	D	IN	Sent by	Remarks
	and Track in a Natural Capital— Ecosystems Accounts Framework (new-US)				an initiative.
CA-30	Harmful Algal Bloom (HAB) Early Warning System (new-US)			NOAA USA, Juli Trtanj	
CA-31	For Global Mangrove Monitoring (new-US)			USGS USA Chandra Giri	
CA-32	Research Data Science Summer Schools (new-CODATA/RDA)			CODATA and RDA Simon Hodson	
CA-33	Building capacity for Forest Biodiversity in Asia and the Pacific Region (new-Indian Institutions)			K. D. Singh Academy of Forest and Environmental Sciences, FRI Campus, Dehradun, India	
CA-34	Multi-source Synergized Remote Sensing Products and Services	X		Dongqin You, RADl China	
CA-NEW	Global Agricultural Drought Monitoring Initiative	X		Fan Jinlong	Draft to be consolidated.

	Description	D	IN	Sent by	Remarks
					Need to discuss with GEOGLAM and global drought Teams
CA-NEW	Geohazards, land degradation and environmental monitoring using satellite and in-situ information			Isabel Pino EUROGEOSURVEYS	
CA-NEW	Digital GEOMuseum	X		LIU Chuang	

PROPOSED GEO INITIATIVES/FLAGSHIPS
SD=Summary Description
IP=Implementation Plan
IN=Declaration of Intent

	Description	SD	IP	IN	Point of Contact	Remarks
GI-01	GEOGLAM-Global Agricultural Monitoring and Early Warning		X		Michel Deshayes	
GI-02	GEOBON-Global Biodiversity Observation (GEO BON)	X	X		Jörg Freyhof GEO BON Executive Director Germany	
GI-03	GFOI Global Forest Observation Initiative	X			Tom Harvey, GFOI Office Coordinator, FAO	Not in the required form
	Potential Chinese contribution under discussion					Tom Harvey and Stephen Ward to answer China request

	Description	SD	IP	IN	Point of Contact	Remarks
GI-04	Global Observing System for Mercury and Persistent Pollutants				Nicola Pirrone, CNR Italy	
GI-05	Global Carbon Observation and Analysis System	X			Antonio Bombelli, CMCC-Italy Werner Kutsch . ICOS Headoffice- Finland	
GI-06	Reinforcing engagement at regional level: AfriGEOSS for Africa				Andiswa Mlisa	
GI-07	Ocean and society - Blue Planet		X		Emily Smail - Blue Planet Secretariat – Scientific Coordinator	Preliminary, to be consolidated in the 2016- 2017 period
GI-08	GEO Geohazard Supersites and Natural Laboratories (GSNL)		X		Stefano Salvi, INGV Italy	

	Description	SD	IP	IN	Point of Contact	Remarks
GI-09	Global Wildfire Information System			X	Jesus San Miguel, EC/JRC	
GI-10	EO data and renewable energies	X			Thierry Ranchin MINES ParisTech/ ARMINES . PSL - Research University, France	
GI-11	Information Services for Cold Regions				Yubao Qiu Institute of Remote Sensing and Digital Earth (<i>RADI</i>) under the <i>Chinese</i> Academy of Sciences (CAS), China	
GI-12	Integrated Information Systems for Health				NOAA USA Juli	

	Description	SD	IP	IN	Point of Contact	Remarks
	(Cholera, Heat waves)				Trtanj	
GI-13	Integration of Methods for Air Quality and Health Data, Remote Sensed and In-Situ with Disease Estimate Techniques (new US)				EPA USA Phil Dickerson	
GI-14	GEO-GECO: the GEO Global Ecosystem Initiative		X		A. Provenzale, CNR Italy	DRAFT Slightly changed title. Additional contributions
	Potential Chinese contribution centered on: EIA (Environmental Impact Assessment) database				Wang Mingyuan Chinese Academy of forestry China	Sent reminder to Antonello on 18 April
GI-15	GEO-GNOME Initiative: GEO Global Network for Observation and information in Mountain Environments		X		Gregory B. Greenwood, University of Bern	

	Description	SD	IP	IN	Point of Contact	Remarks
					Switzerland	
GI-16	GEO-DARMA = Data Access for Risk Management (new-CEOS) <i>(to support the implementation of Sendai framework 2016-30).</i>				Ivan Petiteville (CEOS)	
	Potential Chinese contribution centered on: “Re-Distinguishing and reliability evaluating of space-based precursors of large Earthquakes”		X		Prof. Xuhui SHEN Director of the Center of Earthquake Observation from Space, CEA China	Sent reminder to Ivan on 18 April
GI-17	Global Urban Observation and Information	X	X		Qihao Weng, Indiana State University - USA	
GI-18	Earth Observations in Service of the 2030 Agenda for Sustainable Development	X	X		Lawrence Friedl, NASA	Draft to be consolidated
GI-19	AmeriGEOSS				Angelica Gutierrez, NOAA, USA	

	Description	SD	IP	IN	Point of Contact	Remarks
GI-20	GEO Global Water Security (GEOGLOWS)				Bradley Doorn, NASA, Jerad Bales, USGS, USA	
GI-21	Human Planet Initiative	X			Martino Pesaresi, JRC/EC	Implementatio n Plan by Mid-May
GI-22	Asia-Oceania GEO	X	X		ZHOU Xiang, Institute of Remote Sensing and Digital Earth, CAS	Still to be finalize through discussions Among China, Australia and Japan
GI- NEW	CLIMATE CHANGE IMPACT OBSERVATION ON AFRICA'S COASTAL ZONES - GEO-CCIOACZ		X		Islam Abu El- Magd, NARSS Egypt	

	Description	SD	IP	IN	Point of Contact	Remarks
GI- NEW	The Global Drought Information System Global Initiative		X		Will Pozzi USA	Not according the requested template
GI- NEW	GEO-Wetlands Initiative	X	X		Adrian Strauch, University of Bonn	
GI- NEW	Earth Observation for Ecosystem Accounting (EO4EA)		X		State Department USA John Matuszak	



RECEIVED PROPOSALS – SUMMARY

	Confirmed from 2016	NEW	TOTAL	<i>In the WP 2016</i>
Community Activities	19	3	22	34
Initiatives	14	4	18	22