

# GEO FCT task

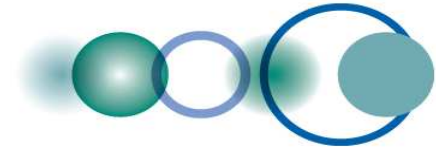
## Roadmap to GEO VII, Ministerial Summit COP 16 & Plans for Expanding National Demonstrators

Giovanni Rum,  
GEO Secretariat

GEO FCT Information meeting,  
Geneva 01 June 2010

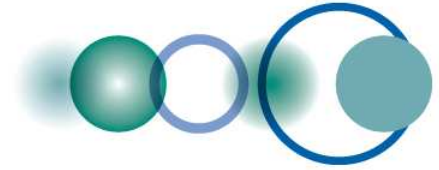


# GEO FCT Past Events



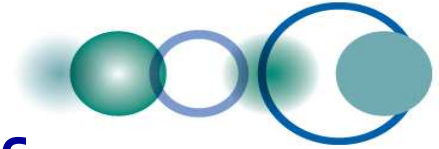
- 1st GEO Forest Monitoring Symposium, Iguazu Oct 08
- CEOS SIT 23 (NOAA), Cocoa Beach Mar 09
- Side Event at ISRSE 33, Stresa May 09
- 1st FCT SAR Data Coordination Meeting (ESRIN) June 09
- 2nd GEO Forest Monitoring Symposium, Chiang Rai July 09
- 2nd FCT SAR Data Coordination Meeting, Tsukuba Aug 09
- CEOS SIT 24 (EUMETSAT), Darmstadt Sep 09
- FCT Strategy Meeting PoW, London Oct 09
- FCT Planning Meeting Google, London Oct 09
- CEOS Plenary. Phuket Nov 09
- GEO Plenary, Washington Nov 09
- UNFCCC COP-15, Copenhagen Dec 09
- CEOS SIT 25 (JAXA) Tokyo Apr 10
- SDS (Science Data Summit) 1 May 10
- SDC (Space Data Coordination) 3 May 10





# Roadmap



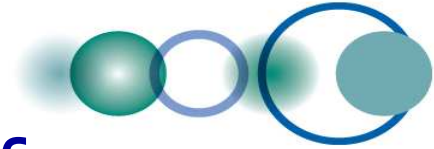


# GEO FCT near term activities focus

## Technical

- Include new co-lead and contributors to the task (UK, France, Germany)
- Produce Mapping products for all ND's and continue products validation, based on 2009 and previous data
- Complete 2010 satellite data acquisition campaign over the 10 (7 + 3) National Demonstrators
- Advance in the action plans towards new ND's, consolidating Verification Sites, their measurement plans and identifying Product Development Support Teams
- Assign priority to the activities related to carbon stocks assessment
- Review and publish key FCT Documents, in particular
  - guidelines to support Countries in the implementation of their national MRV systems
  - Demonstration phase roadmap



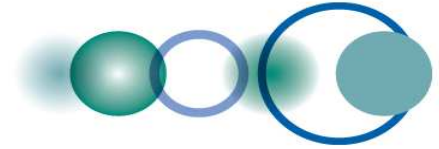


## GEO FCT near term activities focus

### Programmatic

- Refine the concept of a Global Forest Monitoring Network (GFMN) and issue the concept phase report for GEO VII
- Strengthen coordination with UN-REDD and World Bank FCPF, fostering synergies among respective support actions
  - Definition of new National Demonstrators
  - Inclusion of the GEO FCT Framework into REDD readiness and implementation plans and associated Capacity building actions
- Strengthen relationship with UNFCCC Secretariat and IPCC to consolidate GEO FCT/GEOSS positioning in support to the Parties to the Convention
- Position GEO FCT with respect to the REDD+ Partnership, recently consolidated in the Oslo talks, expected to become operational before COP 16





# GEO FCT Upcoming events

- GEO FCT Information Meeting, Geneva (CH), 1st June 2010
- FCT Side Event at UNFCCC SBSTA, Bonn (Germany), 3rd June 2010
- MRV Workshop by Mexico NFC / UN-REDD / GEO, Guadalajara, Jalisco, México, 22-24 June 2010
- FCT session at ESA's Living Planet Symposium, Bergen, Norway, 28 June 2010
- **GEO Global Forest Monitoring Network Planning Group meeting, Rome, Italy 13-14 July 2010**
- CEOS Plenary, Rio de Janeiro, Brazil 13-14 October 2010
- GEO VII and Ministerial Summit, Beijing, China 3-5 November 2010
- COP 16, Cancun, Mexico 29 November – 10 December 2010

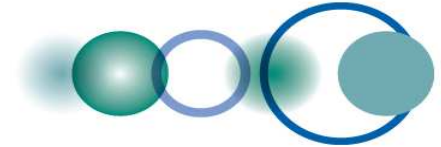




## GEO FCT and GEO VII / Ministerial Summit Current Plans

- FCT Point included in the GEO VII Plenary Agenda to
  - Present progress
  - Present Concept phase report on Global Forest Monitoring Network (GFMN) and asking to perform and Intermediate definition phase in 2011
- FCT contribution to the Global Carbon Showcase
- FCT task contribution to publications, the Annex to the Report on Progress to Ministers (as part of the overarching task on global carbon monitoring and analysis system) and the “coffee table book”.
- FCT participation to the Exhibition to show results over the National Demonstrators
- New FCT brochure TBD

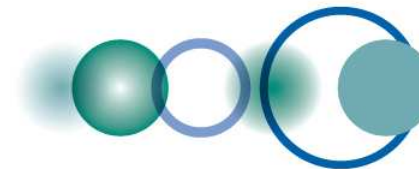




## GEO FCT and COP 16

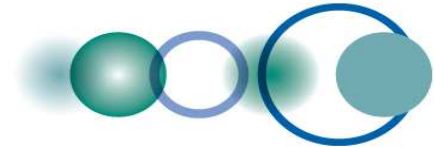
- Mexico is one of the current FCT National Demonstrators and we should expect quite high visibility to the GEO FCT task (Joint MRV Workshop in June is part of the COP 16 preparation)
- Material developed for GEO VII / Ministerial, together with relevant decisions, will be the basis to present FCT approach, results and plans at COP 16.





# Expanding National Demonstrators

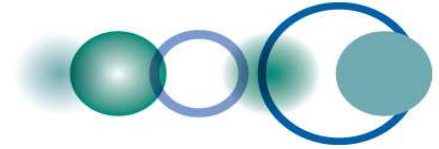




# Establishment of the National Demonstrators

- The choice of NDs will be based on entire countries or large regions within the country, where their central governments have formally agreed to implement national forest carbon monitoring, verification and reporting.
- External donor countries and/or donor organisations have been identified for long-term involvement and support of capacity building, field measurement and satellite/airborne data acquisition and analysis, and monitoring system implementation.
- National government institutions (e.g. environment/forest ministries or forest management authorities) would have committed local expert capability and responsible government unit.
- National governments assist in providing better access to field data, preferably ongoing nested forest inventory and science test-sites, for use by task team in support of the specific FCT in-situ, airborne measurements and verification activities.
- Priority would be given initially to areas with active forest management, including deforestation – afforestation activities and forest degradation, so that repetitive, wall-to-wall, accurate wide-area forest mapping capabilities can be demonstrated.

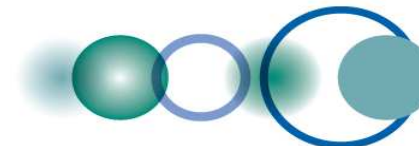




## General criteria for Establishment of the National Demonstrators

- Priority to tropical belt and developing Countries
- Maintain geographic balance
- Address largest Forest basins
- Progressively involve UN-REDD and World Bank FCPF countries
- Respond to direct requests for inclusion

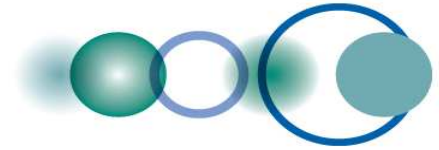




## for new National Demonstrators

Action	Responsibility		
	FCT	ND	Joint
Provide FCT description and guidelines	X		
Provide official request to act as a ND		X	
Clearly outline ND goals and objectives in context of FCT agreed methodologies and datasets (remote sensing/in-situ)			X
Define the key interfaces within the Country		X	
Define observations needs (archive + foreground)			X
Define VS			X
Define a processing support team for the ND	X		
Define and implement Satellite observation plans	X		
Define and implement in situ observation plans at VS		X	
Confirm resources availability with donors/supporters	X	X	
Coordinate GEO FCT plans with UN-REDD /WB intervention			X





## Countries involved in FCT, UN-REDD and WB-FCPF

Countries involved 46

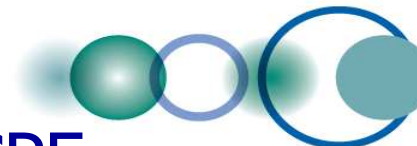
FCT Countries 7

UN-REDD Countries 21

World Bank FCPF Countries 37



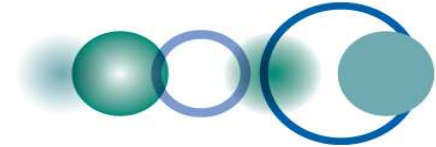
# Countries involved in FCT, UN-REDD and WB-FCPF



	Country	FCT	UN-REDD		WB
			Pilot	Obs	Ready
1	Argentina			1	1
2	Australia	1			
3	Bolivia		1		1
4	Brazil	1			
5	Cambodia			1	1
6	Cameroon	1			1
7	Central African Republic				1
8	Chile				1
9	Colombia				1
10	Congo, Democratic Republic of		1		1
11	Congo, Republic of			1	1
12	Costa Rica			1	1
13	Ecuador			1	
14	El Salvador				1
15	Equatorial Guinea				1
16	Ethiopia				1
17	Gabon				1
18	Ghana				1
19	Guatemala				1
20	Guyana	1			1
21	Honduras				1
22	Indonesia	1	1		1
23	Kenya			1	1

24	Lao People's Democratic Republic				1
25	Liberia				1
26	Madagascar				1
27	Mexico	1		1	1
28	Mozambique				1
29	Nepal			1	1
30	Nicaragua				1
31	Nigeria			1	
32	Panama		1		1
33	Papua New Guinea		1		1
34	Paraguay		1		1
35	Peru				1
36	Philippines			1	
37	Salomon Islands			1	
38	South Korea				
39	Suriname				1
40	Sudan			1	
41	Tanzania	1	1		1
42	Thailand				1
43	Uganda				1
44	Vanuatu				1
45	Viet Nam			1	1
46	Zambia		1		
		FCT	UN-REDD	WB	
	TOTALS Countries	7	9	12	37



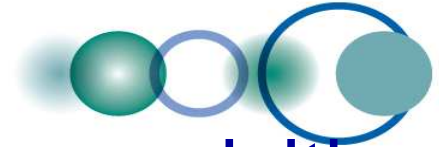


## New ND's for 2010

#	Country	Area (Millions of Km2)	Remarks
1	Colombia	1.15	Government applied formally to GEO, donor identified
2	Democratic Republic of Congo	2.35	Contacts on-going, official request will arrive soon
3	Indonesia	0.47	Add Sumatra to . Build on the implementation of I-NCAS.
4	Peru	1.3	Government applied formally to GEO, donor identified, member of GEO
	Total area	5.27	About 60% is forest

This means doubling the area for satellite data acquisition



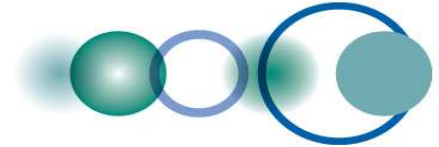


## Additional proposal for satellite data acquisition

It is proposed to extend satellite data acquisition to all Congo Basin Countries (Burundi, Cameroun, Congo, Gabon, Guinée Équatoriale, République Centrafricaine, République Démocratique du Congo, Rwanda, Sao Tomé & Principe, Tchad), to complement major initiatives being started in the area, such as UN-REDD MRV definition and Implementation at Congo Basin regional level, free provision of SPOT data announced by France, ESA sponsored activities starting in Gabon and in the Republic of Congo, K&C initiatives, ...

Cameroon and DRC already NDs. Other forested Countries are Republic of Congo, Central African Republic, Gabon and Equatorial Guinea

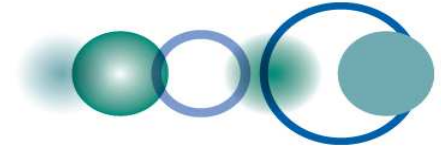




## Status of discussions with candidate NDs

- Action plans activated will all new Countries
- Initial definition of Verification sites started (available for Colombia, Peru)
- Coordination with UN-REDD will ease definition of institutional interfaces





Thank you

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