

GEO FCT task

Expanding National Demonstrators for 2010

Giovanni Rum,
GEO Secretariat

GEO FCT Information meeting,
Geneva 01 June 2010

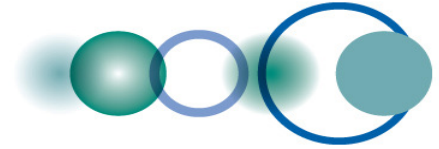




Establishment of the National Demonstrators

- 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.





Verification Sites - VS

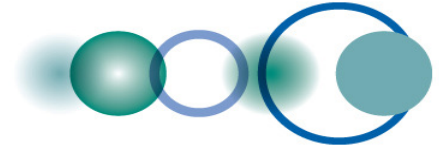
Purpose:

- Link to the national demonstrators
- 3-7 validation sites per ND
- Testing of various validation procedures
- Test forest modeling and improve/develop emission factors
- On-going monitoring activities
- Gathering of in-situ data
 - Ground truth: species, age, DBH, tree height, ...
 - VHR data: aerial photographs, laser, satellite, ...

Description:

- Land cover and LC dynamics, area peculiarities, research and monitoring topic
- Cooperation: Partners (local, national, international)
- Visualisation: Shapefile (Arcview, KML)

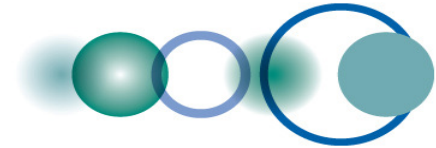




General criteria for Establishment of the National Demonstrators

- 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

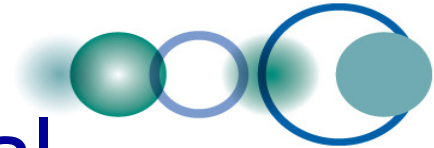




for new National Demonstrators

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

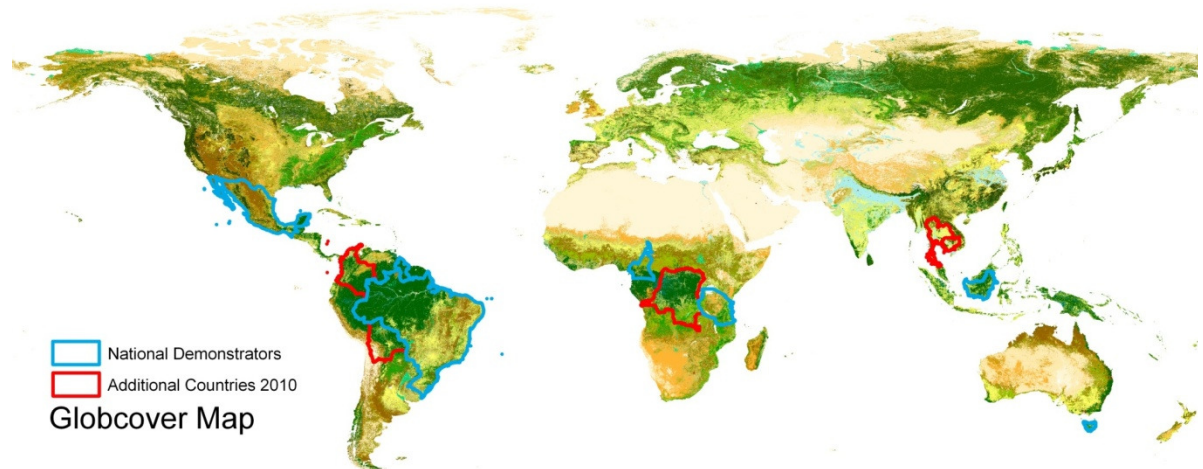




FCT Network of “National Demonstrators”

From 2009

- Brazil
- Guyana
- Mexico
- Indonesia (Borneo)
- Australia (Tasmania)
- Cameroon
- Tanzania



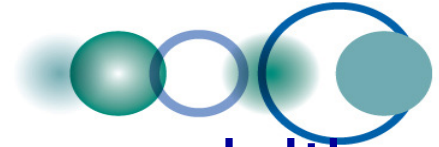
In addition from June 2010

- Colombia
- DR Congo
- Peru, and

Following years will include additional countries from UN REDD & World-Bank Forest Carbon Partnership Facility

adding Sumatra to Indonesia



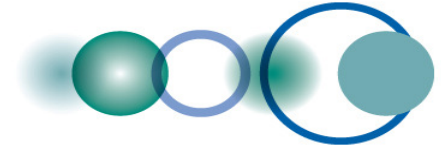


Additional proposal for satellite data acquisition

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





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

Countries involved 46

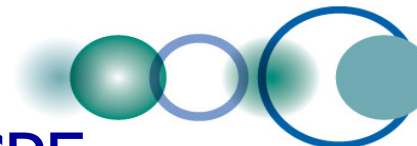
FCT Countries 7

UN-REDD Countries 21

World Bank FCPF Countries 37



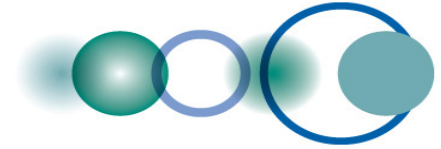
Countries involved in FCT, UN-REDD and WB-FCPF



	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





Thank you

Giovanni Rum
GEO Secretariat
grum@geosec.org
www.earthobservations.org

