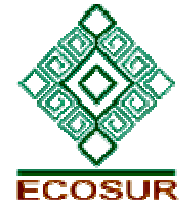




GEO FCT activities in MEXICO



Progress and Plans



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MRV Joint Workshop

22-24 June 2010, Guadalajara, Jalisco Mexico



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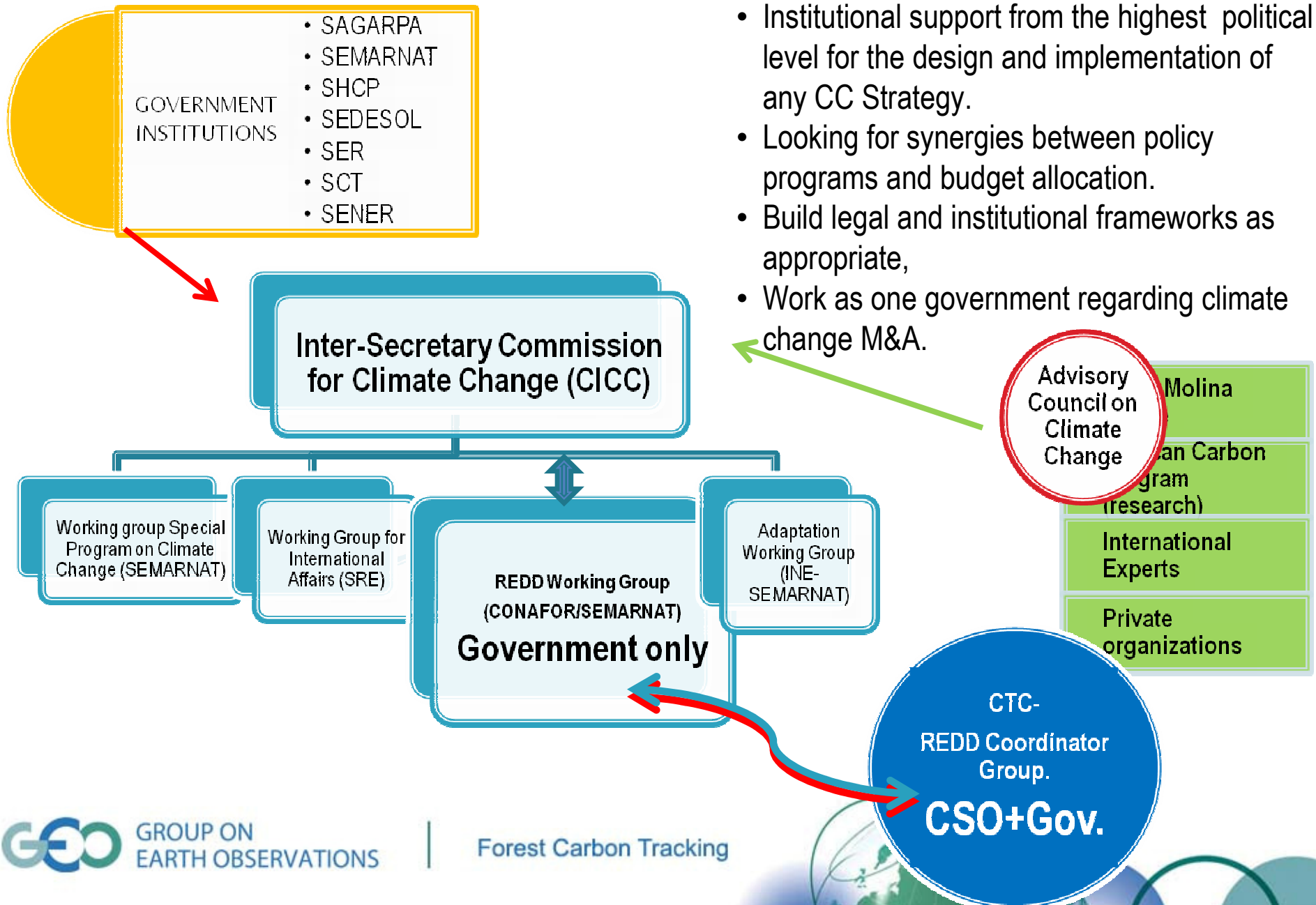


Institutional framework

- *CONAFOR is the focal point in Mexico for REDD+*
- *MRV coordination group (government + academia + OSCs) is engaged in the implementation*
- *Mexico has the R-PP approved for WB FCPF*
- *Mexico is an observer in UN-REDD*
- *Mexico has bilateral negotiations with Norway about MRV fast implementation*



National Readiness Management Arrangements



- Institutional support from the highest political level for the design and implementation of any CC Strategy.
- Looking for synergies between policy programs and budget allocation.
- Build legal and institutional frameworks as appropriate,
- Work as one government regarding climate change M&A.

Current Status of Carbon Emissions Estimation

- Mexico is using approach 3 and a mix of tier 2-3 for C emissions on the AFOLU sector
- Mexico is planning to use Approach 3 and Tier 3 in 2012 (5th National Communication): an hybrid approach using ground and satellite data through modeling



REDD readiness & MRV implementation

- *MRV implementation:*
 - + *CoP 16: full implementation in pilot areas (Chiapas and Jalisco states; Cutzamala basin)*
 - + *2011-2012: national full implementation*
 - + *Hybrid system: ground and satellite data*
- *GEO FCT support: radar imagery, capacity building, guidelines, standards, validation*
- *Planned resources: FCPF WB, Norway, own resources*



Forest & carbon overview/historical data

•Land-use maps (to derive major activity data):

1970s LU/LC map; scale 1:250,000, min resolution 50 has, based on aerial photographs

1993 LU/LC map; scale 1:250,000, min resolution 50 has, based on Landsat

2002 LU/LC map; scale 1:250,000, min resolution 50 has, based on Landsat

2007 LU/LC map; scale 1:250,000, min resolution 50 has, based on SPOT imagery

•Inventory data (to derive emission factors)

1992-1994 National Forest Inventory (16,000 plots)

2004-2007 Permanent National Forest and Soil Inventory
(>22,000 permanent plots established)

2008-2009 Re-measurement of approximately 9,000 plots

•Other data sources

National, state and municipality-level statistics on forest harvesting and fire disturbances



Forest & carbon overview/historical data

Differences in area change according to approach


	Approach 1	
	1993-2002	2002-2007
Deforestation	330,800	197,702
Degradation	294,762	181,534
Total (ha/yr)	625,562	379,236
	Approach 2-3	
	1993-2002	2002-2007
Gross deforestation	595,413	590,418
Degradation	633,018	415,803
Recovering	176,079	109,375
Reforestation	264,612	392,715
Total (ha/yr)	1,669,122	1,508,311



Available Data

- Full access to MODIS, Landsat and SPOT (2,4,5 – 2003 till today)
- Full coverage from RADARSAT-2 and ALOS-PALSAR (2009 -)
- Complete NFI (systematic grid): all 5 IPCC pools measured since 2009
- LU maps every 5 years (1:250,000): INEGI
- LU maps being developed (1:5,000): 2003 -





GEO-FCT VALIDATION/CALIBRATION SITES FOR MEXICO

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October 30, 2009
Montecillo, Estado de Mexico, Mexico

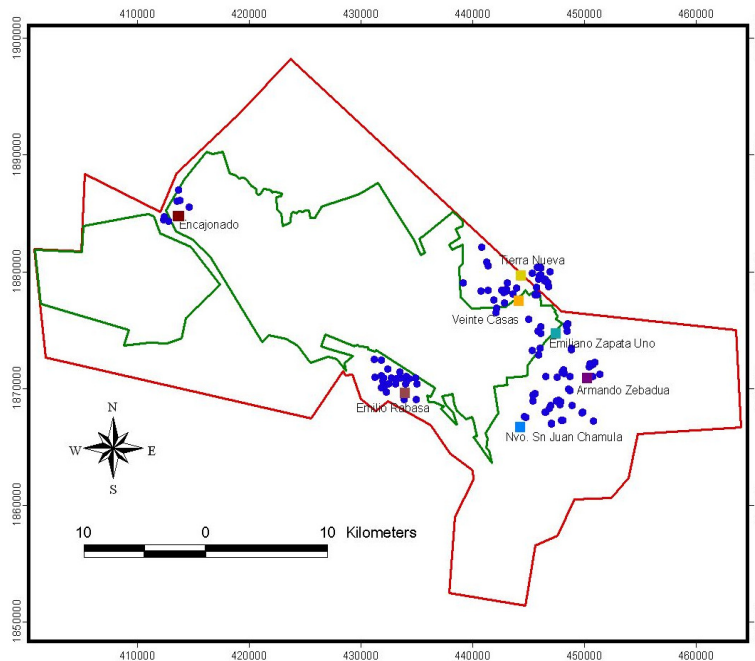


The Verification Sites (VS)



Intensive Research Sites

El Ocote (Chiapas) and La Mojonera y Atopixco (Hidalgo)

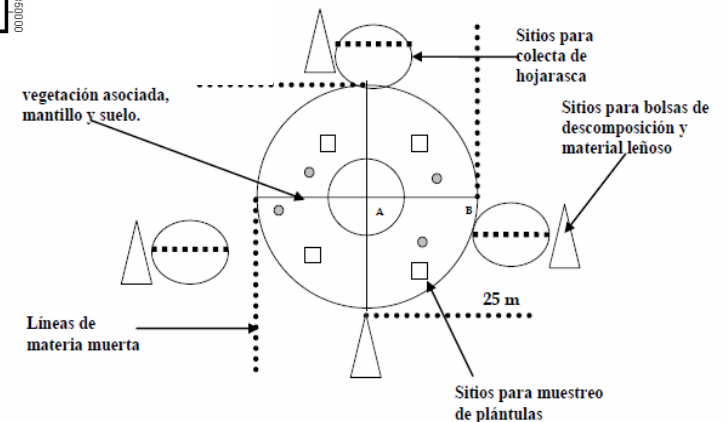


LEYENDA

- RB Selva El Ocote
- Zona Núcleo
- Armando Zebadua
- Emiliano Zapata Uno
- Emilio Rabasa
- Encajonado
- Nvo. Sn. Juan Chamula
- 20 Casas
- Tierra Nueva
- Puntos de Parcelas

DATOS CARTOGRÁFICOS

Proyección UTM Zona 15N
 DATUM: D_WGS_1984
 Esferoide de Clark
 Meridiano Central: -93



Spatial Data Infrastructure & Data processing

- *Mexico capacity for massive processing limited, own software development, Google alliance for cloud computing and Internet uploading and visualization.*
- *Full national capacity to process data and prepare forest/non-forest maps and carbon estimates. Needs to reinforce national capacity building (technical issues)*
- *Support needs: radar / lidar processing*
- *Full local scale mapping of LU and carbon estimates under progress*



Capacity-Building & Support Needs

- Main capacity building: active sensors imagery technology
- On going/Required support from the GEO FCT : radar imagery processing, guidelines, standards, methodological issues, and calibration / validation issues

