PMR Regional MRV Training Workshop

September, 17-19, 2014/ Izmir, Turkey

Tunisian case Study: Status and challenges with Monitoring National GHG Emissions

Afef JAAFAR
Ons KHECHINE
General framework

Tunisia’s international commitment

UNFCCC ratification
1st national communication
KP ratification
Association with Copenhagen accord
NAMAs list submission
Biannual report

CDM strategy
National Strategy for Climate Change
EE and RE strategy

National strategies

CDM portfolio
7 CDM projects and PoA registered
NAMA development

Mitigation instruments

Annual GHG inventory for energy and processes
National GHG inventory system
Energy information system
MRV of NAMAs

Sectoral crediting

• Building sector
• Sanitation sector
• Agriculture and forest sectors
• Cement sector
• RE electricity sector

Measurement, Reporting and Verification

GHG IPCC inventory
CDM projects development
GHG accounting methods (WRI protocol, Bilan Carbone)
NAMA development
MRV systems

Capacity building/stakeholder consultation process
Tunisian experience on GHG inventory preparation

- **2000/2001**: First national inventory of GHG (inventory 1994)
- **From 2004**: ANME-PNUD
  - Energy inventory (1980-2010)
  - Industrial Processes (2000-2009)
- **2010**: Second national inventory of GHG (inventory 2000)
- **2014**: Inventory Project/MRV
  - National inventory 2010
  - Biennial Report
Tunisia’s results of the GHG emissions inventory

Gross national emissions (2010) = 45,4 million tCO₂ e
Coordinating entities

- Autres
- IGCE
- Enquêtes et études
- STIR
- ETAP
- STEG
- Observatoire national de L’énergie
- MDCI
- Institut national de la statistique
- Ministère du transport
- Compagnies pétrolières de distribution
Institutional arrangement

Système simplifié de l’inventaire national de GES pour l’année 2010

Point Focal CC: Secretariat d’Etat au Développement Durable
Ministère de l’Equipement, de l’Aménagement du Territoire et du Développement Durable

Coordination Technique de l’Inventaire National des GES :
Agence Nationale Pour la Maîtrise de l’Énergie (ANME)

Agence Nationale pour la Maîtrise de l’Énergie
Ministère de l’Agriculture, Ressources Hydrauliques et de la Pêche
Office National de l’Assainissement
Agence Nationale de Gestion des Déchets

Énergie
Procédés Industriels
Agriculture, Forêts, etc. et Autres affectations des Terres
Déchets

Questionsnaires
OTNE, DGE Bilan énergétique
STEG
British Gaz
STIR
ETAP
SERGAZ
SNCFT
QACA
National GHG inventory system

Coordination inventory
(ANME/Ministry of Environment: Focal point of climate change)

- Cross Technical coordination inventory
- Sectorel technical managers
- Sectorel teams

Technical support
CITEPA/APEX
Main steps of the Inventory Process

- Creation of working groups by sectors
- Organization of training sessions for teams
- Data collection
  - Identification of data to collect + formats to send
  - Development of methodology sheets
  - Emissions calculating according to IPCC rules
- Emissions calculation
- Results of the GHG inventory
Assets

- Work done through a participatory approach
- Constitution of an operational team work
- Ownership of results and strengthening the capacity-building by the mastery of the methodology
- Elaboration of about forty sheets (27 sheets + methodological treatment cards)
- Generation of tables CRF + export for application
- Multiple internal audits (QA / QC) + Audit Oko Institute
- Transparency of the results and the approach of calculation
- Contribution to the refinement of the work of NAMA (Agriculture and Forestry, cleansing, etc.)
- Establishment of the first database of the MRV system
- Establishment of a robust national inventory system
Challenges

- Refine calculations of emissions for some sectors (metallurgy, non-energy using products, ...);
- Improve the coverage and frequency of data collection to move to Tier 2 or 3;
- Research specific data for the calculation of national emission factors;
- **Maintaining the momentum:**
  - Formalize the institutional set up;
  - Achieve the GHG inventory for the 3rd NC;
  - plan a capacity building program for the working teams.
Thank you for your attention