

Forest Accounts In Morocco

Compilation of the Supplies-Uses
Accounts of the Forest

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Plan

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Project Context

- High-quality economic and environmental statistics are important inputs in policy formulation and decision-making, and the development of Extended Supply-Use Tables (SUT-EE) is the first step towards measuring and compiling environmental and natural capital accounts, which are built on national accounts based on SUTs with environmental extensions.
- After several meetings and discussions between the experts of the National Accounting Directorate, it proved attended the Capacity Building Program on the compilation and implementation of SUT-EE launched by United nations economic commission for Africa (UNECA).

Project Team and Program Phases

Project Team:

National organizations:

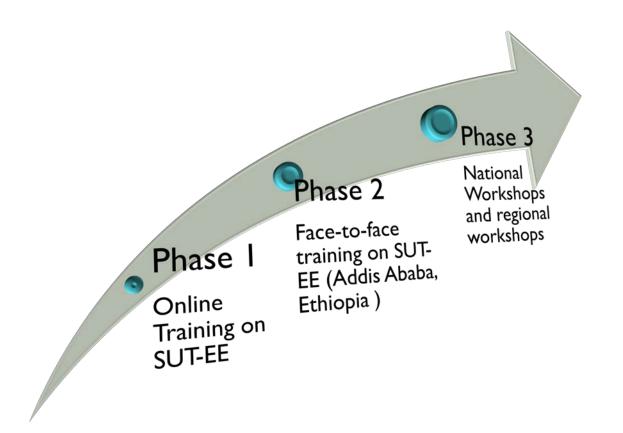
- DCN- HCP: The High Commission for the Plan is presented by the National Accounting Department, and more specifically by the Goods and Services Division;
- HCEFLCD: High Commission for Water and Forests and the Fight against Desertification;
- MAPMDREF- DSS: Department Strategy and Statistics Ministry of Agriculture Maritime Fisheries Rural Development and Waters and Forests;

International organizations:

- UNECA: Presented by the coordinator Mr. Isidore Kahoui;
- FAO: Presented by the expert Ms. Silvia Cerilli;

Project Team and Program Phases

Program Phases:



Supplies tables:

	Supply								
Products	Silviculture CITI 021 et 023 NIMA 021 et NIMA 023	Logging CITI 022 et 024 NMA 022 et 024		Control of the Contro	CITI 1701 1702 1709 NMA 17.1 17.2	Other			Total supplies
		Total	household	Manifactured wood, pap indus		manufacturing industries	Total output	Imports	
able of supply									
let annual increment									
Pross felling									

Uses Tables:

		Intermediate consumption									
	Products	Logging CITI 022	1620 NMA	CITI 1701 1702 1709 NMA 17.1 17.2	Other manufacturing industries	Total INPUT	Final consumption	FBCF	vs	Exports	Total Uses
		et 024 NMA 022 et 024	The second secon	d wood, paper and ducts industries							
	Table of use										
	Vet annual increment										
	Gross felling										

Reference year:

• The reference year that will be considered for the compilation of forest supply and use tables is 2014. This choice is very well founded, in fact, 2014 is the new base year for national account in Morocco, and it is also the richest year in terms of availability and quality of data in the history of HCP.

<u>Products and nomenclature</u>

• FAO uses its own JFQS nomenclature for the agricultural, forestry and fisheries sectors. This nomenclature is based on CITI for activities and CPC for products. After adapting the list of products considered by FAO to the specific case of the new 2010 Moroccan nomenclature drawn up on CPA and NACE2.

Products and nomenclature

Product

- · Net annual increment
- Gross felling
 - felling residues
- Removals (on the bark)
 - Bark
- Removals (under the bark)
- Round wood (Rough wood)
 - Firewood
 - Industrial round woods
 - Logs, sawing and veneering (Timber)
 - Crushing wood, in logs or split (Industrial wood)
- Other goods (non-timber products?)
 - Cork
 - Argan
 - Carob
 - Others
 - Miscellaneous objects made of cork, basketwork and plaiting
- Other forest residues
- Wood charcoal

Products

- Chips and wood particles and residues
 - Wood chips and particles
 - Wood residues (including wood for chipboard)
- · Wood after receipt consumption
- · Wood pellets and other agglomerates
 - Wooden pellets
 - Other agglomerates
- Sawn timber
- Veneer sheets
- · Wood-based panels
 - Plywood veneer
 - Particle board, oriented strand board (OSB) and similar board
 - Fiberboard panels

Product

- Wood pulp
 - Mechanical and semi-chemical wood pulp
 - Chemical wood pulp
 - Wood pulp to be dissolved
- Other pulp
 - Non-wood fiber pulp
 - Recovered fiber pulp
- Recovered paper
- Paper and cardboard
 - Graphic papers
 - Household and sanitary papers
 - Packaging materials
 - Other paper and cardboard (not specified elsewhere)

Data sources and methodology:

The statistical sources used in compiling national forest accounts fall into four categories:

S	Structural surveys	Administrative statistics	Annual surveys	Statistical index
Econon Nation Information Surve Living Soil Touris 2007; Admir	nal Survey of nic Structures 2007 onal Survey of the al Sector ey of Household standards 2007 sm Demand Survey nistrative Entities ment Survey 2007)	 Foreign Trade Statistics (Produced by the Exchange Office) and Balance of Payments. Activity reports (of some establishments and large companies) The annual statistics published by: the public administrations, the private organizations, the big companies, 	 Annual surveys of processing industries; Annual Surveys on Crops and Livestock and Prices Paid to Producers; Annual surveys on construction, trade and services; 	 Index of industrial, mining and energy production; Producer price index for industrial, mining and energy products; Index of foreign trade; Wholesale price index; Consumer price index.

Data sources and methodology:

For the methodology, each table has its own particularities:

Physical supply table	Physical use table	Monetary table
 Silviculture production: estimated by forest species growth rates (IFN 1990-2005); This conversion to m3 was carried out using the conversion factors provided by the FAO expert. In the absence of direct data, some products have been estimated using the formulas used at the HCEFLCD level: Forest residues: estimated at 10% of gross felling Bark: estimated at 10% of removal Production from other industries: based in data on the physical production of the 2014 FAO Database. 	• Intermediate consumption: In the case of firewood, it should be taken into account that the quantity of charcoal produced is directly related to firewood via the following formula: to produce IKg of charcoal it takes 4kg of firewood.	• we used data from the central national accounts framework. More precisely, we use data from the same branches and products that we have detailed in the Products and Nomenclature section.

Challenges and Opportunities

- The need to carry out consistent studies and perhaps even representative surveys to properly estimate the statistical information not available to cover exhaustively all the components of the sector. More specifically for the following products:
 - Collection products such as Argan nuts, a corns, mushrooms, wild honey and other products.
 - Secondary production must be considered: inland fishing, game, and other non-forest products produced within the forest.
- The 2008 SNA recommends the use of the base price to assess production, which corresponds to roadside prices for forest production. So far, we do not have a very accurate way to evaluate this price with the slightest error.
- It is essential to take in account the ecosystem services of the forest.

Thank you For Your Attention