



Establishment of Environment Statistics

Report from a short-term mission

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**TA for the Scandinavian Support Program to Strengthen the
Institutional Capacity of the National Statistics, Mozambique**



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1 EXECUTIVE SUMMARY

The mission was the second on environmental statistics. The mission gave recommendations on the continuation of the process of establishing environmental statistics in Mozambique. The recommendations included the important part on how to proceed with the compiling of the first Environmental Statistics Report of Mozambique (or compendium as was the name preferred). The most important activity carried out, was the assistance given on the compilation of a draft statistical compendium. A draft version was presented at the end of the mission. However, there is still a long way to go to fill in all the data gaps. The Environmental Statistics Compendium is foreseen to be published next year (in April), preferably after a seminar where a draft publication will be formally presented. Before the seminar an elaborated draft version should be circulated among key stakeholders.

2 INTRODUCTION

The Mission was carried out 7 – 17 November 2005 in Maputo.

The consultant would like to express his thanks to all officials and individuals met for their kind support and valuable information. In particular he would thank his counterparts, Ms. Natércia Macuácuá of INE and Teresa Magalhães and Lolita Fondo of MICOA.

A pilot study elaborated by the consultant in July 2000 outlined and proposed a working-plan for environment statistics in Mozambique. Because of lacking resources no activities were performed until 2003. In November 2003, a seminar in the area of environment statistics was organised in order to mark a new starting-point for the process of establishing environmental statistics in Mozambique. The participants of the seminar were identified as representing key stakeholders in the area. The seminar was based on recommendations stated in the initial report. As a result of the seminar a working group consisting of representatives of INE and MICOA was formed. In order to assist the work of producing a report on environmental statistics, a first consultancy was decided to take place in October/November.

During the first mission in 2004 visits were made at several institutions producing data. However the main activity was organising a seminar directed to the same participants as the seminar in 2003, with the objective of establishing the most pressing environmental concerns, as well as a discussion of variables that could be used, as a base for compiling statistics.

The objective of the second mission was to continue the work of establishing environmental statistics. The terms of reference for the mission is attached as Annex 1. During a meeting on the first day of the mission it became clear that INE expected the mission to concentrate on the compilation of a draft statistical compendium.

3 ACTIVITIES DURING THE MISSION

The mission included the following activities.

- *Following-up and modifications of the recommendations from the previous mission.*
Practically no activities had been carried out since the mission in November 2004, why changes in the recommendations never arouse.
- *Assist in the preparation of a statistical compendium, based on the compilation of existing information.*
This was the main activity during the mission and a draft compendium was presented. See further comments in section 4.1.
In addition to this work the whole area of environmental data, its function and organisation, as well as the quality of data was discussed. Recommendations on this are found in section 4.2
- *Define variables to collect in the future.*
The variables to collect, i.e. variables to describe with data, are included in the draft compendium. These variables are blank; no data exists or has not been found.
- *Define a method of gathering data.*
There is no single data gathering method for environmental statistics, see last year's report. For almost every variable there is a unique way of data collection. A manual of methods for data collecting has to treat each desired variable.
- *Improve the collecting tools.*
As is mentioned above concerning the methods, also the tools are individual and unique, depending mainly on the source of data storage.
- *Give advice on a database to choose for the environment data.*
During the mission staff at INE gave an interesting demonstration of the ESDEM database. The ESDEM is mainly constructed for data in the social and vital statistical area but it could be an attractive way of storing and presenting data and statistics also on the environment.

4 CONCLUSIONS AND RECOMMENDATIONS

4.1 The preparation of a statistical compendium

The work during the mission was concentrated on the preparation of a statistical compendium. The structure (concerns organised according to the DPSIR-model), as well as the main variables, was defined at the seminar last year. Together with data collected 2004 this was the base for compiling the compendium.

A working group was formed consisting of Ms Natercia Macuacua of INE, Ms Teresa Magalhães of MICOA, Ms. Lolita Fontes, of MICOA, Ms. Aurora Muzima of MICOA, Ms. Graciete Socrates of MICOA. The work with the compilation was divided in a way that every individual took care of each chapter and was responsible for the data entry.

The result of the work was a draft compendium with a lot of data gaps. Recommendations for the future:

- The immediate work for the working group must be to try to fill in all possible data gaps. The data gaps consist mainly of two types:
 - existing data which is yet to be identified and found;
 - non-existing data.

To cover the remaining gaps also more structural work has to be carried out. This includes talks on high level between national institutions where agreements on collaboration in the providing and collection of data in the environmental area have to be concluded. The working group must also have support from their own organisations, including practical things as access to transport.

- Comments on the statistics should also be made, highlighting the most important data, development, patterns and connections.
- When the draft compendium is more elaborated, i.e. more data is included, a seminar should be organised where the compendium should be presented. Hopefully, comments will be made on the draft, which will permit the working group to refine the compendium. After this stage it is time to edit the publication. During the seminar ideas for future activities on short, medium and long-term perspective should be discussed.

4.2 Recommendations regarding environmental data

Based on the discussions with some key data producers and data users the following proposals are suggested:

- The recommendations given in the previous mission report have not been read and consequently not been followed. A starting point for further work should be these recommendations.
- There is a need for improvement of the organisation of information and data at MICOA. A long-term advisor on statistics with the objective to systematize and analysing (the quality of) existing data, refining data collection and data storage would be a vital part of the solution.
- In order to make environmental data easily accessible a database system should be implemented. During the mission the ESDEM was demonstrated. The technology can certainly also be used for environmental statistics and data. The database should be able to access by Internet. Preferably it can be installed at INE, where the similar ESDEM is operated. Another alternative is PC-Axis, which is installed at INE and has the same advantages as the ESDEM system.
- To avoid a situation where data exists but, depending on lack of co-operation or lack of sensitivity of the necessity to make data accessible for data users, SEN (the system of national statistics) which has the objective of coordinating the statistics in Mozambique, could contribute by raising the question of environmental statistics, in order to stress the importance of this statistical area.

ANNEX 1 Terms of Reference for the mission

TERMOS DE REFERÊNCIA Suporte pelo Programa Escandinavo

Para uma Missão de curta duração de 2 semanas de 7 a 19 de Novembro

nas Estatísticas do Ambiente

Antecedentes

O Instituto Nacional de Estatística e o Ministério de Coordenação e Acção Ambiental tem vindo a desenvolver esforços para o estabelecimento das estatísticas ambientais em Moçambique, com a Assistência Técnica do Programa de Apoio Escandinavo para o Fortalecimento da Capacidade Institucional de Estatísticas Nacionais de Moçambique na pessoa do Consultor Leif Norman.

Varias acções est,ão a ser desenvolvidas entre as quais a preparaÁ,ção de um Compendio contendo um leque de informaÁ,ção sistematizada sobre assuntos que directa ou indirectamente estejam relacionados com o meio ambiente e as suas respectivas fontes, capacitaÁ,ção da unidade de estatísticas do MICOA em recursos materiais, financeiros e humanos, avaliaÁ,ção da possibilidade de se utilizar a base de dados do ESDM de modo a disponibilizar a informaÁ,ção ambiental na base do modelo DPSIR, mobilizaÁ,ção de Fundos para o financiamento das actividades propostas.

Principais razões da Missão

Em 2004 houve uma missão que veio dar assistência técnica ao INE e o MICOA para a implementação de metodologias adequadas para o estabelecimento de estatísticas ambientais em Moçambique. No corrente ano existe uma necessidade de dar continuidade a essa missão no sentido de avaliar as actividades já desenvolvidas e estabelecer os passos seguintes aproveitando as sinergias já existentes de modo a que muito rapidamente o MICOA esteja em altura de responder as necessidades de informação das convenções ratificadas a nível Internacional, objectivo 7 dos Objectivos do Milénio e dos indicadores do PARPA II e de criação de bases para a tomada de decisões políticas

A missão deverá ocorrer, na segunda e terceira semanas de Novembro. Ela deverá garantir que o Compendio a ser produzido tenha qualidade e que o plano da criação do subsistema de as estatísticas ambientais sejam uma realidade em Moçambique de modo que os utilizadores de informação no geral, tenham uma informação mais exacta possível de qual é a pressão que se está a exercer, qual é o estado e quais são as respostas dadas, na área do ambiente no país.

Ainda no decorrer desta missão deverão ser desenhados processos para a recolha e o processamento da informação do ambiente e a sua inserção nas rotinas de processamento já existentes.

Beneficiários da Missão

Os principais beneficiários da Missão serão os técnicos do INE e do MICOA

Objectivos da Missão

- Dar prosseguimento às recomendações das missões precedentes;
- Ajudar na elaboração do compêndio baseado na compilação de informação já existente
- Definir as variáveis a recolher no futuro
- Definir uma metodologia de recolha dos dados
- Melhorar os instrumentos de recolha
- Acessorar o INE e o MICOA na escolha da base de dados do meio ambiente

Resultados esperados

- Elaborado o relatório baseado na compilação de informação já existente;
- Definidas as metodologias de recolha de dados;
- Definidas as variáveis a recolher;
- Melhorados os instrumentos de recolha

Agenda da Missão

Por definir

Acções a serem realizadas pelo INE e MICOA para facilitar a missão

- Elaborar os termos de referência para a Missão;
- Preparar e providenciar a documentação necessária para o consultor;
- Providenciar boas condições de trabalho para o consultor.

Consultor: L. Norman

Contraparte:

Natércia Macuácuá – CDEBA;

Teresa Magalhães, Lolita Fondo – Direcção da Planificação do MICOA

Duração da Missão

A Missão conjunta irá decorrer nas duas primeiras semanas de Novembro, de 7 a 19 de Novembro.

Relatórios

No fim da Missão a consultora irá preparar um relatório preliminar a ser discutido com o INE antes de o consultor sair do País. Eles irão submeter o relatório final, para comentários finais dentro de três semanas após o término da missão.

Estes termos de referência foram preparados por:

Natércia Macuácuá em coordenação com a Direcção de Planificação do MICOA

Aprovados por:

Azarias Marcos Nhanzimo e Valeriano da Conceição Levene, Vice Presidente do INE para o Pelouro Económico.

ANNEX 2 Persons met during the mission

Dr. Azarias Marcos Nhanzimo, INE

Ms. Natércia Macuácuá – CDEBA, INE

Dr. Erasmo Nhachungue, MICOA

Ms. Teresa Magalhães Pinto – Planning Directorate, MICOA

Ms. Lolita Fondo, MICOA

Ms. Aurora Henrique Muzima, MICOA

Ms. Anselmina Luis Liphola, MICOA

Ms. Ana Massinga, MICOA

Ms. Graciete Socrates, MICOA

Mr. Lars Carlsson, Consultant, Coordinator

Mr. Hans Hessel-Andersen, Danish Embassy