



**REPÚBLICA DE MOÇAMBIQUE
MINISTÉRIO DOS RECURSOS MINERAIS E ENERGIA**

**National practices for collecting data on biofuel consumption
Presentation AFREEC**

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TÓPICOS

- Introduction ;
- Metodology to collecting data;
- Data release period/Periody to de libertação de dados
- Fluxogram
- Sample data collection experiency of biomass consuption (wood and chocol
- Final consideration



Introduction

- The practices or methodology used in Mozambique for data collection follows internationally accepted standards (FAO). And it proves to be of greater importance because it allows quantifying the different types of biofuels to better assess consumption levels and better outline strategies for using biofuels/promoting balances in a more sustainable way.



Data source/fonte

The data source for providing the required information are:

- Households or companies that carry out activities agriculture, which can be agricultural, livestock or a combination of two and are stratified into small, medium and large
- Explorations located in all Districts of the country.

Methodology /Metodo

1. The fundamental tool to development the national date of the consumer of energy is usually the questionnaires methodology.
2. Then the comparison of both studies' results will ultimately show changes in the energy usage within a ten-year period.
3. Define Study location and sample size (geographical areas)
4. Define a number of sample
5. Define a period of time to be in the field



Cont

- The way to collecting that is agro-livestock using the tablet as a means of collecting and face-to-face form.
- CAPI (Computer-Assisted Personal Interviewing), allowing data to be sent directly to a server, which facilitates immediate access to them, such as also the platform can store a large amount of information without requiring printing costs or data log

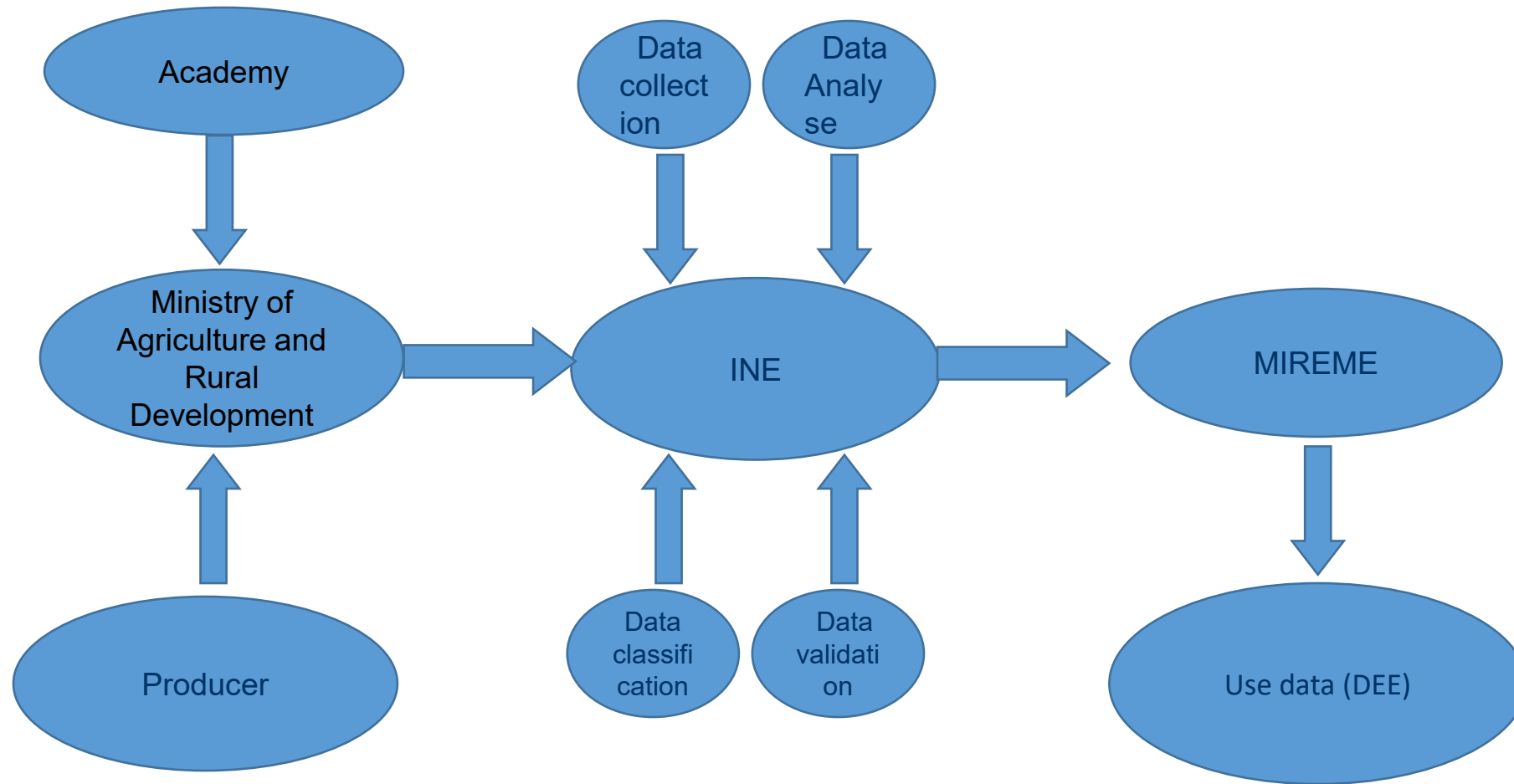


Data realise schedule /calendario de libertacao de dados

- The data collection calendar is annual
- Data release is trimestral /quarterly
- The provider and the compiler data is the MADER
- A actividade e regulada através do Boletim da Republica, 1ª Serie, N° 38 de 19 de setembro de 2001, nos termos do artigo 18 da Lei N°7/79 de 5 de julho, é delegada pelo Instituto Nacional de Estatística ao MADER, através da Direcção de Planificação e Politicas a notação e o apuramento de dados estatísticos de todas as estatísticas do sector



Fluxogram of the relevant institutions



Exemplo do estudo feito pelo Mireme como orgao delegado

- The stud visit was in 3 province. In south province. And the sample in total was 1275
- The methodology was using questionnaire and the comparison was 2012 urban biomass energy survey
- **These are the areas of greatest concentration of charcoal users and in turn the greatest contribution to deforestation. Number of people.**



Qual e o seu fogão?



1. Fogão de carvão 1 boca típico



2. Fogão de carvão 1 boca quadrado



3. Fogão de carvão 1 boca de botija



4. Fogão de carvão 1 boca metal redondo



5. Fogão de carvão 2 boca típico alto



6. Fogão de carvão 2 boca típico baixo



7. Fogão de carvão 2 boca quadrado metal fino



8. Fogão de carvão 2 boca quadrado metal grosso



9. Fogão de carvão 2 boca botija



10. Fogão de carvão Djiko



11. Fogão de carvão de barro



12. Fogão de lenha de barro



13. Três pedras enha



14. Três pedras rezidos



15. Fogão de lenha com tijolo



16. Fogão de carvão com grelha



17. Fogão de carvão grande roda



18. Fogão de gás 1 boca



19. Fogão de gás 2 bocas



20. Fogão de gás 3 bocas ou mais



21. Fogão de gás com forno



22. Fogão elétrico 1 boca espirala



23. Fogão elétrico 1 boca liso



24. Fogão elétrico 2 bocas espirala



25. Fogão elétrico 2 bocas liso



26. Fogão elétrico com forno



27. Fogão elétrico forno pequeno

Field work vistry





Swot analyse

Strength/forca

- Existence of a platform for inserting energy data (KOBO TOOL BOX)
- Existence of some trained technicians

Opportunities

- Existence of partners who support data research work and the implementation of the platform
- Promote for the more sustainable production of charcoal
- Promote efficient and cleaner cooking fuels and cookstoves



Cont

Weakness/Fraqueza

- Production of statistical energy information that is limited to the energy balance

Threat/Ameaca

- lack of local financing to using data to design consumption reduction strategies



Final consideration

- The Indicator's measurement objective makes it possible to assess the level of adherence to farming practices of conservation and climate-smart agriculture with a view to ensure the reduction of risks of the impacts of changes climate at the level of small producers and large producer.



MUITO OBRIGADO

