The BEFS Rapid Appraisal Tool:

Short Introduction

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FAO’s BEFS Approach: mission

The BEFS Approach helps countries design and implement sustainable bioenergy policies and strategies, by ensuring that bioenergy development:

→ contributes to agricultural and rural development in a climate-smart way, and

→ fosters both food and energy security
The Bioenergy and Food Security (BEFS) Approach

Stakeholder Dialogue and Capacity Building

Scoping

Sustainable Bioenergy Assessment

BEFS Rapid Appraisal

Support to Policy Formulation

Impact Monitoring, Evaluation and Response

Risk Prevention, Management and Investment Screening
Sustainable Bioenergy Assessment: BEFS Rapid Appraisal

- The BEFS Rapid Appraisal allows countries to get a preliminary indication of their sustainable bioenergy potential and of the associated opportunities, risks and trade-offs

- How is food security safeguarded?
  - Bioenergy feedstock potential is additional to current and planned uses for food and feed
  - Options for income and employment generation assessed

- How is sustainability ensured?
  - Exclusion of biodiversity- and carbon-rich areas
  - Sustainable use of natural resources
  - Economic and social sustainability addressed
The BEFS Rapid Appraisal

Country Status
Review of key indicators and trends: Agriculture, Energy, Environment, etc.

Natural Resources
- Agriculture Residues
- Fuelwood and Wood Residues
- Crops

Biomass Potential Assessment

Energy End Use Options
- Heating and Cooking: Charcoal, briquettes, biogas
- Rural Electrification: Gasification, SVO, Combustion
- Transport: Bioethanol, biodiesel

Techno-economic and Socio-economic Analyses

Country Specific Evidence
Excel tools and related user manuals released in April 2014: 
www.fao.org/energy/befs/rapid-appraisal/en

French / Spanish versions to follow shortly.

Pilot tested in Malawi and the Philippines.
Thank you!


PLEASE DO NOT HESITATE TO CONTACT US:

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