

## **A Modern Approach to Wood Energy at FAO**

Miguel Angel Trossero

Wood Energy - Forestry Department

FAO - Rome

## **FAO Forestry Department's Mission**

To enhance human well-being through the sustainable management of the world's trees and forests

### **Wood Energy Main Aim**

To enhance the capabilities of Forestry Services in the promotion of sustainable wood energy systems

## Main Facts

Woodfuel  
Wood energy  
Poverty and health  
Food security  
Productive uses  
Policies and institutions  
National capacities

## New Challenges

- Enhance the role of WE for SFM & PA.
- Strengthen, expand, diversify forests & forestry roles.
- Promote woodfuel as industrial energy option
- Support private sector initiatives & needs

## What is bioenergy?

- Fuelwood and charcoal
- Residues... but also short rotation plantations
- as well as gaseous & liquid biofuels
- and bioheat, bioelectricity.

### Furthermore

- Clean and affordable household energy
- Diversification and productivity
- Investment
- Income and employment

## What is new ?

- PA and EP are topics of major concern
- WE is receiving higher political recognition
- Large body of knowledge/experience accumulated
- WE is becoming economically attractive

## Barriers and Constraints

- Technical
- Economic
- Social
- Environmental, and
- Institutional....

B&C which prevent the realization of sustainable WE Systems and the full use of potentialities

## Institutional Barriers

- Policies are inexistent
- Legal regulations are inexistent or weak
- Technical institutions are insufficiently prepared
- Private sector are also insufficiently prepared.

## Policy Barriers

- Political awareness is low
- Forestry & energy policies are weak and fragmented
- Forestry priorities pay limited attention to wood energy
- Programmes and projects are scattered
- Communication & collaboration among stakeholders is poor

## Legal Barriers

- WE laws are restrictive, fragmented and short-term
- New legislation are often in conflict with customary laws
- WE enterprises affected by insufficient/inadequate regulations
- Main stakeholders are not properly considered

## Forestry Services Limitations

- Role and contributions of wood energy are poorly understood
- Unbalanced allocation of priorities/resources btw timber & WE
- Technical responsibilities are fragmented
- Technical capabilities are insufficiently prepared
- Relations between forestry & energy organizations are weak
- Human resources are limited
- WE-related financial resources are not reinvested
- R&D funds are insufficient

## Private Sector Limitations

- Capabilities of forest and WE enterprises are weak
- Incentives for WE initiatives are unavailable
- Human resources are not properly educated & trained
- WE is rarely integrated in existing educational programmes
- Information generation & dissemination still weak
- Partnerships weak

## FAO's Approach to Wood Energy

- Raise political awareness
- Support the adoption of specific policies on wood energy
- Assist in the preparation/adoption of ad hoc legislation
- Promote incentives for private sector, +participation and education
- Enhance the role of WE in Forestry Services
- Develop inter-institutional programmes
- Strengthen National and international partnerships
- Improve information generation & dissemination
- Update and upgrade education programmes

Thank you !!