

# World Bioenergy Association

A global non profit NGO with 3 main purposes:

**1.Spread information** about the possibilities being available (combat climate change and poverty), by utilization of the great amount of biomass resources.

WBA message to COP 15.

**2.Develop sustainability criteria** that guarantee when achieved that bioenergy

- could be supplied without threatening food and feed supply
- could be supplied without threatening water supply
- could be supplied without threatening the rain forests and the biodiversity
- could be supplied without threatening the economical growth

WBA message to COP 16

**3.Spread knowledge and technology**

# Implementation

Sustainable biomass for energy could be used to produce electricity, heating, cooling and biofuel for the transport sector.

Implementing the technology in developing countries needs financing, private or public. It also needs a political framework promoting the activity.

Feed-in tariff could be one useful system for electricity production with biomass, but only if you use the heat that always is produced in a combined heat and power (CHP) plant. It could be set up a limit of for example at least 60% efficiency for bigger plants to be accepted in a feed-in tariff system.

Other systems could be investment subsidies and CO<sub>2</sub> taxes.

# **WBA CERTIFICATION CRITERIA FOR SUSTAINABLE BIOMASS FOR ENERGY**

## **Selected socio-economic and environmental sustainability criteria**

1. The use of chemicals
2. Forest/land management planning
3. Forest/land monitoring
4. Protecting the health and safety of employees
5. Provision of information to increase public awareness of management, planning, operations and/or outcomes
6. Protection of areas of particular historic, cultural or spiritual value
7. Maintenance or enhancement of the economic viability of operations
8. Maintenance of biological diversity
9. Protections of areas of high ecological value
10. Protection of the soil and prevention of erosion
11. Protection or enhancement of water quality
12. Regeneration following harvesting
13. The rights of children
14. Recognition and respect for the customary and traditional rights of indigenous/local people

# Conclusions

Plants give food and feed to man and animals and bioenergy for electricity, heating, cooling and biofuels.

We have identified a tremendous amount of bioenergy resources. Sufficient to meet total global demand for energy 2050. **WBA message to COP 15.**

If the politicians want to get rid of the threat from the greenhouse gases, it's possible to do that:

- Stop using fossil fuels and replace them with renewables and
- Stop the deforestation by introducing efficient cooking stoves.

And the earlier they decide to do it, the cheaper it will be.

WBA offers bioenergy as a substantial part of the solution.

But we can not exploit great resources of biomass for energy without certification criteria, which guarantee sustainable production. **WBA message to COP 16.**