

# BIOKENAF

*Contract No: QLK5-CT2002-01729*

*Kick-off meeting*

*Athens, April 9-10, 2003*

*WP4: Harvesting and  
Storage Trials*

# *Objectives*

- *Appropriate harvesting time*
- *Appropriate harvesting and storage methods*
- *Techno-economic evaluation of feedstock storage*

# *Harvesting Trial*

- *The main problem is the moisture content in the biomass*
- *The objective of this trial is to obtain a material with the moisture content around 25%.*

*To achieve this target:*

- *the moisture content of the kenaf biomass will be measured from November to January*
- *harvesting time will be determined according to the requirements of the raw material*

# *Harvesting Trial*

- *For the harvesting of kenaf different machinery commonly used for maize and forage will be tested*
- *The adaptability and performance of the machinery used will be determined*
- *The biomass harvested with different machinery – chopped or baled - will be stored with different methods in different conditions.*



# *Storage Trial*

- *The chopped biomass will be stored, covered with plastics and in buildings.*
- *Biomass degradation will be measured with non-destructive sampling*





## *Storage Trial*



- *The balled biomass will be stored also covered with plastics and in buildings.*
- *Biomass degradation will be measured with destructive sampling in order to determine the microbial degradation*

# *Deliverables*

- *The appropriate harvesting time and methods*
- *The storage techniques in order to preserve the quality of biomass for the industrial or energy uses*
- *Information on biomass losses during the harvesting and storage*