

# Industrial Production of Fibres from Sugarcane Bagasse in Brasil

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## Overview

- History
- Research on Energy and Fibre, and Biorefining Processes
- Industrial Plant
- The resource
- Products and client partnerships
- Outlook

## History



- Increased interest in natural fibres in Europe during the last decade
- „Discovery“ of the huge resource
- Partnership with a Swiss Company
- Support and co-financing form Buwal, Switzerland
- Establishing Bagasse Biorefining and partnership with Edra Ecosistema in Brasil

## Research on Energy, Fibres, and Biorefining Processes

- SSF Process, up to 15% additional Ethanol, but too expensive
- Use of Fibre in the industrial market is cost effective
- Initial lab tests in Switzerland, and from 2003 on in Brasil
- Market test and prototyping
- Building factory, commissioning March 2004

## Industrial Plant

- 2'000 tons dry fibre per year
- Market response requires industrial dryer
- Implementation of quality system
- Ramp up production until end of 2004
- Qualify as a reliable fibre supplier for the industry

## The Factory in Ipéuna, Brasil



## The Resource



## The Product: Fibre



**Fibres classified  
5 Products**

## Some Products



Injection molding, ca 30% fibre

## Some Products



# Outlook

- Ramp up production until end of 2004
- More R&D on fibre/product level
- Explore potential partnerships for technology application outside Brasil