

**Conference on**  
**Biofuels: an option for a less carbon-intensive economy**

**4-5 December 2007**

**Certifying biofuels**

**by:**

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**The views expressed are those of the author and do not necessarily reflect the views of UNCTAD**

**United Nations Conference on Trade and Development (UNCTAD)  
and the  
Energy Planning Agency of the Ministry of Mines and Energy of Brazil  
(EPE)**

**"Biofuels: an option for a less carbon-intensive  
economy"**

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## Inmetro - Main Activities

- **Scientific and Industrial Metrology**
- **Legal Metrology**
- **Conformity Assessment**
- **Accreditation of Certification & Inspection Bodies and Testing & Calibration Laboratories**
- **Enquiry Point for the Agreement on Technical Barriers to Trade (WTO)**

# The approach

- In Brazil, activities related to Metrology, Standardization, Industrial Quality and Conformity Assessment are carried out by the National Metrology, Standardization and Industrial Quality System – SINMETRO.
- Inmetro is the executive secretariat for the National Council for Metrology, Standardization and Industrial Quality – CONMETRO, the legislative body of SINMETRO.
- In Brazil, conformity assessment activities observe a systematic approach.

## **Inmetro - Main responsibilities**

- **Coordination of the selection of standards or the establishment of technical regulations**
- **Coordination of the establishment of conformity assessment procedures**
- **Accreditation of the conformity assessment bodies**
- **Registration of products, in mandatory cases - on implementation**
- **Implementation of market surveillance actions**

# Brazilian experiences involving sustainability concepts

- **Main CA programs**
  - **Fruits**
  - **Forest management**
  - **Sisal**
  - **Cachaça**

# Brazilian Program on Biofuels Certification

## A voluntary initiative

- **Conformity Assessment Procedure on Ethanol**
  - ✓ **Physical-Chemical requirements – based on technical regulations of the Brazilian Petroleum, Gas (CNG) and Biofuels Agency (ANP)**
  - ✓ **Social requirements – based on Brazilian technical regulations of the Ministry of Labour**
  - ✓ **Environmental requirements – based on Brazilian Acts and Resolutions of the Ministry of Environment**
  - ✓ **And additional requirements to fulfill global demands**

# Brazilian Program on Biofuels Certification

## A voluntary initiative

- **Conformity assessment procedure structure:**
  - ✓ **Principles**
  - ✓ **Criteria**
  - ✓ **Indicators**

# Brazilian Program on Biofuels Certification

## A voluntary initiative

- **Conformity assessment procedure structure:**
  - ✓ **Principles**
    - 1<sup>st</sup>) **Legislation compliance related to environmental and labour laws**
    - 2<sup>nd</sup>) **Development stimulation related to social and labour initiatives as well as proper work conditions**
    - 3<sup>rd</sup>) **Rational use of natural resources seeking sustainability**
    - 4<sup>th</sup>) **Biodiversity protection, recovery and conservation**
    - 5<sup>th</sup>) **Respect for waters, soil and air resources**
    - 6<sup>th</sup>) **Socio-economic development of the productive field surroundings**

- Evidence related to non practices of child labour as well as slave labour
- Existence of sanitary installations and access to drinking water
- Evidence of safe transportation offer
- Evidence of adoption of practices that reduce the use of water resources
- Evidence of the intercalation of natural vegetation and sugar cane crops, aiming at the maintenance and/ or the creation of ecological halls
- Adoption of Weeds Integrated Pest Management
- Existence of indicative maps for the permanent preservation areas and legal reserves
- Evidence of policies implementation for reduction and appropriate treatment of solid, liquid and gas residues
- Evidence that sugar cane crops do not cause destruction of native forests and deforestation
- Evidence that the producer minimize, gradually, firing practices (establishment of reduction quota)

# International Recognition

## Accreditation Bodies

- IAF (International Accreditation Forum )
- ILAC (International Laboratory Accreditation Cooperation)
- EA (European Cooperation for Accreditation)
- APLAC (Asia Pacific Economic Cooperation)
- IAAC (Inter American Accreditation Cooperation)

## Conformity Assessment Programs

- PEFC (Program for the Endorsement of Forest Certification Schemes)

## For more information:

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