### The Roundtable on Sustainable Biofuels

#### Ensuring that biofuels deliver on their promise of sustainability



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COMPETE Workshop – Bioenergy for Sustainable Development in Africa Brussels – 24-25 November 2009 Sébastien Haye - EPFL



### What biofuels are expected to deliver ...



Local Development & Land restoration



**Climate Change Mitigation** 

### **Energy Security**



### What biofuels might also cause ...



Increased deforestation and loss of ecosystems

**Increased GHG emissions** 

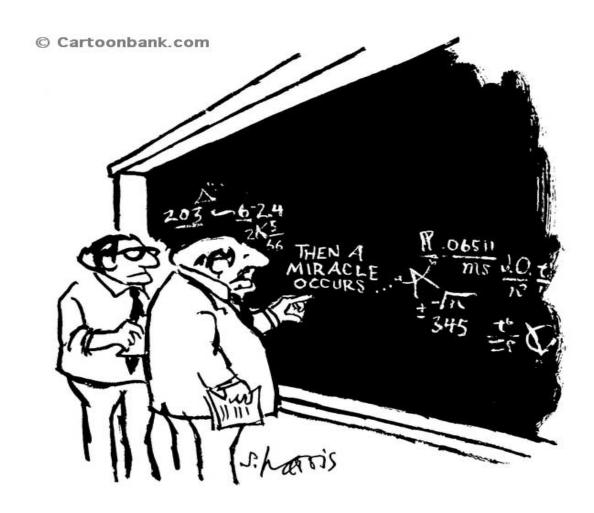




Increased conflicts over land and resources



### So what should be done?



"I think you should be more explicit here in step two."





### The Roundtable on Sustainable Biofuels

The RSB is an international multi-stakeholder initiative developing a sustainability certification program for biofuels production. The RSB standard is ...

- generic to all crops,
- adaptable to new information,
- truly multi-stakeholder;
- ... and includes ...
- environmental criteria
- social criteria

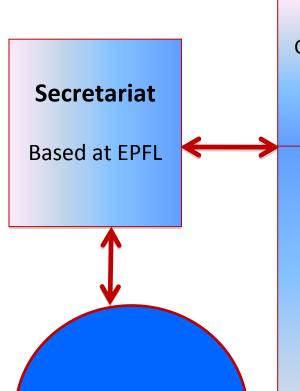


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### RSB Governance



**Expert Groups** 

for specific topics

#### **Steering Board**

Comprising two representatives from each chamber representing different types of biofuel stakeholders

#### 11 Chambers

- 1. Farmers and growers of biofuel feedstock
  - 2. Industrial biofuel producers
- 3. Retailers/blenders & the transportation industry
  - 4. Banks/investors
- 5. Rights-based NGOs (land, water, human, and labor rights
  - 6. Rural development and food security organizations
    - 7. Environment and conservation organizations
      - 8. Climate change and policy organizations
        - 9. Trade unions
- 10. Smallholder farmer organizations and indigenous peoples' organizations / community-based civil society organizations
  - 11. Intergovernmental organizations (IGOs), governments, standardsetters,

specialist advisory agencies, certification agencies, and consultant experts.

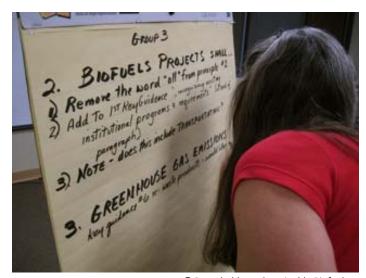


## Multi-Stakeholder Approach

- Working group tele-conferences to develop Version Zero (published August 2008).
- ➤ 15 in-person stakeholder meetings held between Sept 2008 and March 2009 throughout the world to discuss Version Zero:

Brazil (3), Mali, Mozambique, Belgium, Kenya, Dominican Republic, United States (4), Colombia, Argentina, Malaysia

➤ Nearly 900 participants discussed Version Zero. Reports from all meetings and all comments received are available on our website.

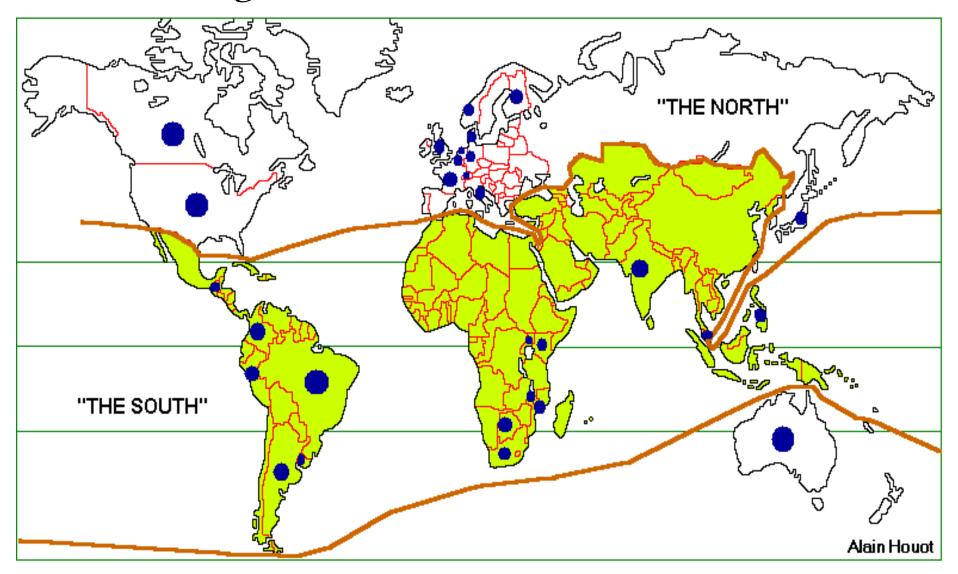


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# A global discussion: RSB members





#### The Decision Process

First Draft Principles Building on (April 2007) Existing **Standards** Public Consultation Version 0 (web, in-person (August 2008) outreaches) Discussion Expert Groups Versions 0.1, 0.2, 0.3...0.9 Discussion RSB Members Version 1.0 (November 2009) Steering Board Decision Version 2.0 (End 2010?)





### Version 1.0 - RSB Standard

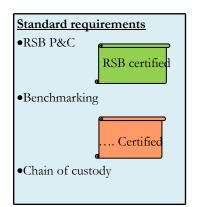
- 1 Legality (national laws and relevant international treaties)
- 2 Planning, monitoring, and continuous improvement (through transparent and consultative ESIA, economic viability)
- 3 GHG significantly better over lifecycle than fossil fuel
- 4 Human and Labor rights (protect workers' rights)
- 5 Rural and Social Development (focus regions of poverty)
- **6 Local Food Security** (only direct impacts)
- 7 Conservation (conserve and protect high conservation values)

Conserve and protect Soil (P 8), Water (P 9), Air (P 10)

- 11 Management of Technology, Inputs and Waste (esp. biotech) should be used responsibly and transparently,.
- 12 Land Rights (respect land rights and land use rights)



# Possible example RSB Biodiesel Certificates





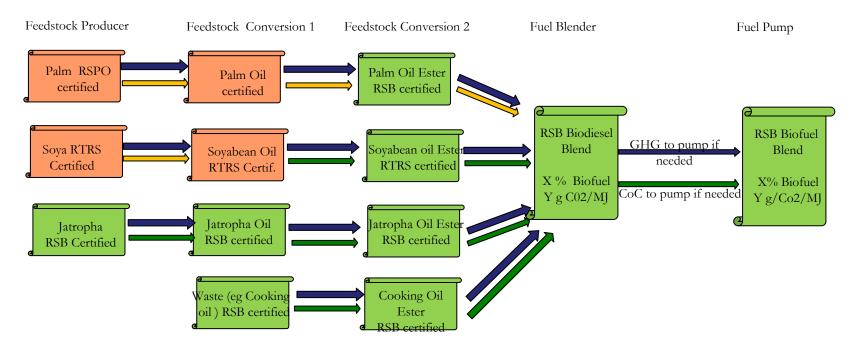
G value : Default Value or Actual Value (Input data, RSB preferred methodology , all accepted methodology per specific market requirement ) Sustainability met YES

Tracing: % X in biofuel( IP =100 Mass Balance= x, Book & Claim =0 Chain of Custody when available for benchmarked standard RSB Chain of Custody

#### Market requirements

\_Module for each specific market that include parameters and thresholds and methodology for calculation of any of the parameter

e.g use specific (food, bio products) or/and market specific (EU, US EPA, CARB, etc.)





### RSB in Africa

Organisation of regional consultation outreaches in Bamako, Nairobi and **Johannesburg** -> inclusion of specific regional issues in the RSB standards.

Participation in 2 consortium under **EU Framework Programs 6 and 7**, both with regards to sustainability of biofuels in Africa and the relevancy of sustainability standards and regulation in that region.

Consultation of experts from Africa on various topics: Land rights, food security, invasive species-> inputs for the RSB discussions and decisions.

Pilot projects to be established in Africa in 2010.

# Opportunities for Africa

Growing concerns about sustainability issues: water depletion, food security, invasive species -> Use of the RSB Standard to set national/regional regulation policies (Domestic Production and Use).

African stakeholders (or foreign companies operating in Africa) to seek **RSB** certification to access **EU** or **US** markets.

> Adaptation of the RSB standard for specific feedstock (e.g. jatropha) or regions.

> Today, RSB members from Uganda, Kenya, Botswana, RSA, Tanzania and Malawi: More members from Africa are needed!

### Contact



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