



International Conference 'Bioenergy Policy Implementation in Africa'

Round Table 3

Regulations and standards for bioenergy implementation in Africa

27 May 2009, Lusaka, Zambia



FANRPAN
Food, Agriculture and Natural Resources Policy Analysis Network

CEEEZ

Centre for
Energy, Environment and
Engineering Zambia Limited

Round Table 3

Regulations and standards

Chair: Mr. Oscar Kalumiana, Director Department of Energy, Zambia

Introductory Presentation: Prof. Francis Yamba, CEEEZ, Zambia

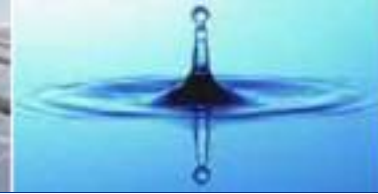
Panellists

- Mr. Paul Kiwele, Ministry of Energy and Minerals, Tanzania
- Prof. Jose Roberto Moreira, CENBIO, Brazil
- Mr. Erick Akotsi, Ministry of Energy, Kenya
- Mr. Francis Johnson, Stockholm Environment Institute, Sweden



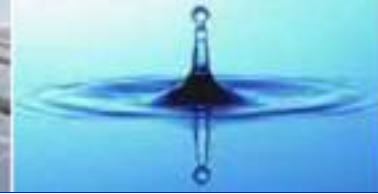
Round Table 3 – Policy Recommendation

- **Biofuels as a commodity in the future**
- **Trader of final user can acquire this with homogeneous standards**
- **Task force working in a common specification in EU**
- **Different to USA and Brazil**
- **For ethanol the standard should be simpler (content of water, impurities, ..)**
- **Standards review those available**
- **Maybe in the future 2 standards USA-Brazil and the EU**
- **Specify what is needed for biofuel in the future**
- **Political issues in standards**
- **Emissions not connected to the fuel**
- **Brazil following the EU specifications,**
- **Euro 4**



Round Table 3 – Policy Recommendation

- Africa should work based on what is available in standards
- Blending rate is an important regulation as this creates the market/demand, by mandate or subsidy
- Some countries already have targets
- Example of Brazil not be seen as achievable for other countries with less or non experience
- Blending rate is political as well
- Select the market for vehicles (e.g. FFV) according to fuel
- Look for something global or keep it at the local level
- Tanzania establishing standards for biodiesel
- Every feedstock should have a standard
- Networks for information sharing
- Governments should assist on subsidies for biofuels



Round Table 3 – Policy Recommendation

- Regulations building on existing laws (e.g. oil)
- Sharing information on blends, feedstocks
- Stakeholders opinion
- Social aspects on standards
- Pricing of biofuels and speculation
- Technology and better information
- Impediments to have international standards (water content)
- SADC region or ECOWAS need to have standards with a regional approach
- Using South African standards (one approach)
- As a technical issues should be faster to reach agreement on this



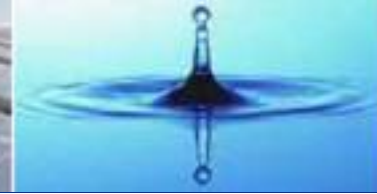
Round Table 3 – Policy Recommendation

- Regulations should also be regional
- Trade barriers will go down in few years
- Regulations needed for the transparency of the sector
- Regulations Framework in Zambia with stakeholders and looking at other frameworks in other countries
- Consider the different levels for the regulations.
- This is a complicated sector and regulating all levels is difficult
- Standards for ethanol and biodiesel, looked at already existing standards (regional, USA and the EU) in Zambia
- In terms of exports standards for biofuels are necessary
- Social and environmental standards is critical
- Very few countries ready for certification (especially forestry)



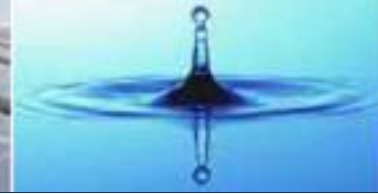
Round Table 3 – Policy Recommendation

- No need to reinvent the wheel
- Use what is already available
- Some form of government investment is necessary
- What are the markets
- How to implement all this in the policy?
- Differences in feedstocks
- Standards of the fuel and of the process
- Regulate when the oil enters in the energy line (oil, transport, storage)
- Infrastructure needs to look at for some of the standards and the quality
- Driving force for energy production in Africa is for export



Round Table 3 – Policy Recommendation

- **Set standards for the production and use the standards from the importer**
- **Avoid misinterpretation of policy for liquid biofuels from other**
- **Reviewing available standards it was necessary to accommodate all information to come to one (Zambia). This is for the end product not the production part. Ranges used.**
- **Differences in temperature affects the biofuels so regional approach is not the best option**
- **Standard that suits all engines and economic incentive**
- **Different standards from regulation**
- **Standard more specific regulations**
- **Avoid overregulation**
- **All countries that signed on convention on climate change to reduce C emissions**
- **Projects that are sustainable decided by the own country**



Round Table 3 – Policy Recommendation

- **Standards at the end use (e.g. importer)**
- **SADC guidance indicating the minimum standard each country in the region should have**
- **Difference on regulation if biofuel is for export or national use**
- **Vehicles are all imported**
- **Some minimum specifications**
- **Marketing channels for biofuels**
- **Regional integration**



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