

# **POLICY DIALOGUE ON BIO-ENERGY IN SOUTHERN AFRICA**

BEIJING

APRIL 2004



# MAP OF SOUTHERN AFRICA



**REPUBLIC OF SOUTH AFRICA**  
**STRATEGY**  
**THREE PRONGED MOVEMENT**

**INDEPENDENT  
INDUSTRY  
ACTION**



Increased Generation for own account  
by extending utilisation of  
Bagasse/trash



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**CO-OPERATION  
WITH NER/ESKOM**



Improved efficiencies with surplus to grid at commercially accepted rates

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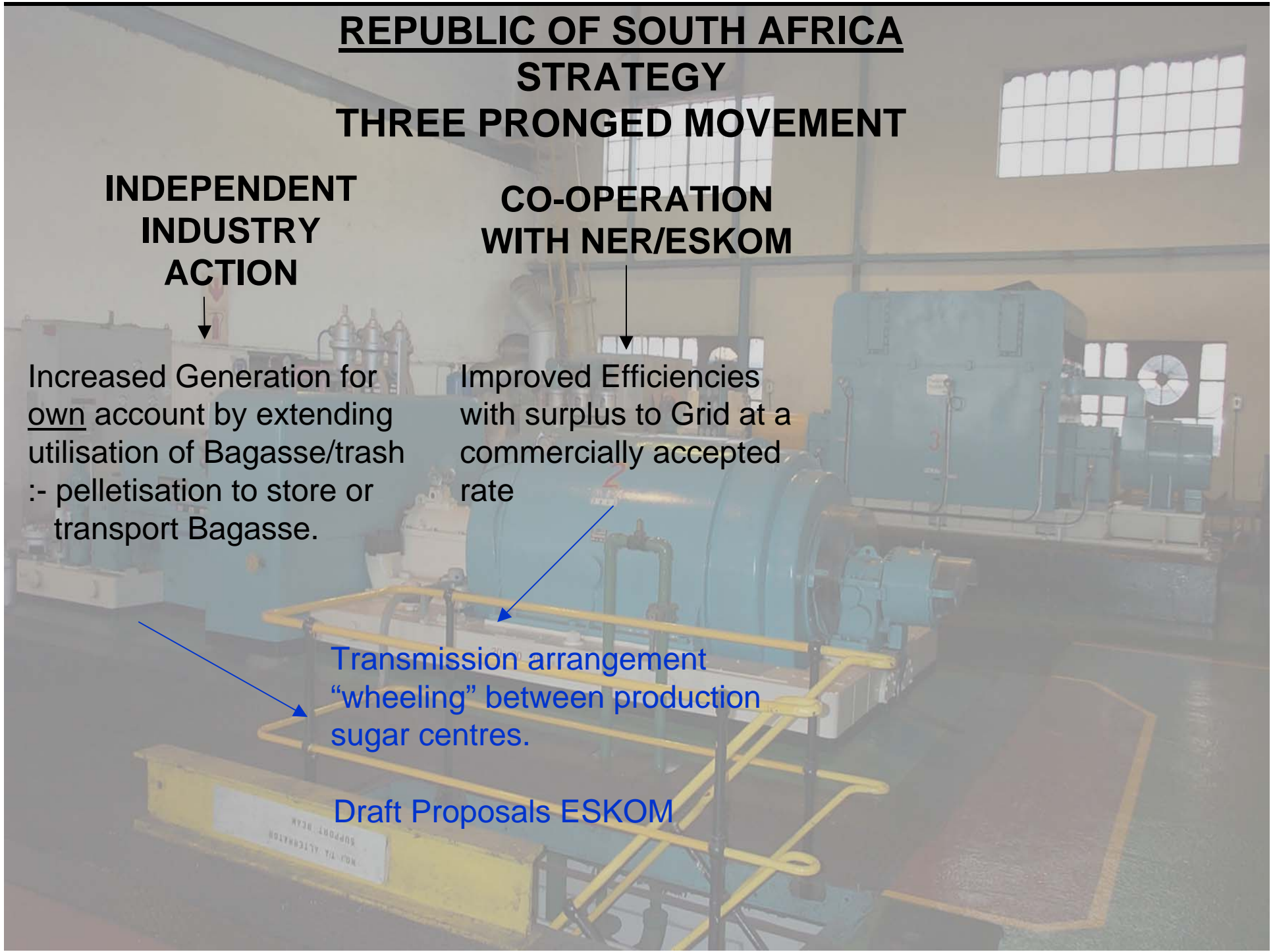
Increased Generation for own account by extending utilisation of Bagasse/trash :- pelletisation to store or transport Bagasse.

**CO-OPERATION  
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Improved Efficiencies with surplus to Grid at a commercially accepted rate

Transmission arrangement  
"wheeling" between production  
sugar centres.

Draft Proposals ESKOM



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**GREEN ENERGY  
INDEPENDENT  
POWER PRODUCER**

Maximise energy through "GOVT" support for renewables.

- Power Generation
- Bio-diesel
  - Reduced Excise Tax
  - Zero VAT classification
- Ethanol

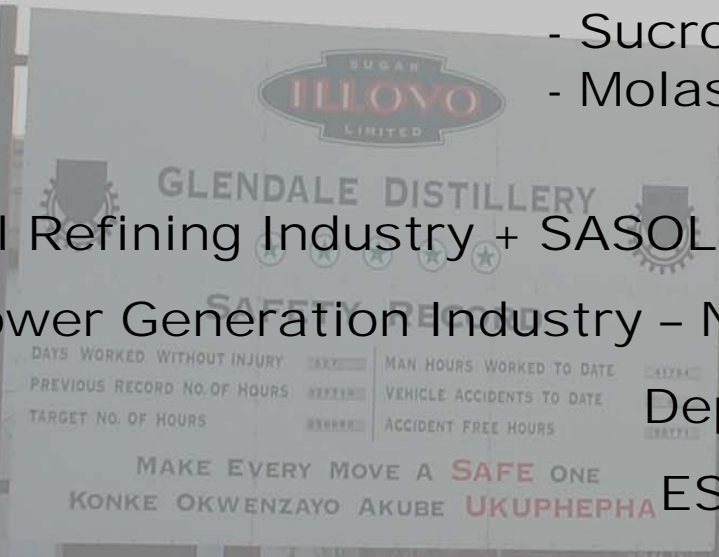
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Draft Proposals

**REPUBLIC OF SOUTH AFRICA**  
**STRATEGY**

**GREEN ENERGY/INDEPENDENT POWER PRODUCER  
POLICY DIALOGUE ON BIO-ENERGY IN S.A.**

VESTED INTERESTS

- Sugar Industry - Growers and Millers  
Division of Proceeds
  - Sucrose } Local
  - Molasses } regional
  - } world } Sales
- Oil Refining Industry + SASOL
- Power Generation Industry - National Energy Regulator  
Department of Mineral & Energy  
↓  
ESKOM - Generation  
- Transmission  
- Distribution (Reds)
- Motor vehicle industry



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**GREEN ENERGY/INDEPENDENT POWER PRODUCER**  
**POLICY DIALOGUE ON BIO-ENERGY IN S.A.**

DIALOGUE FORUMS

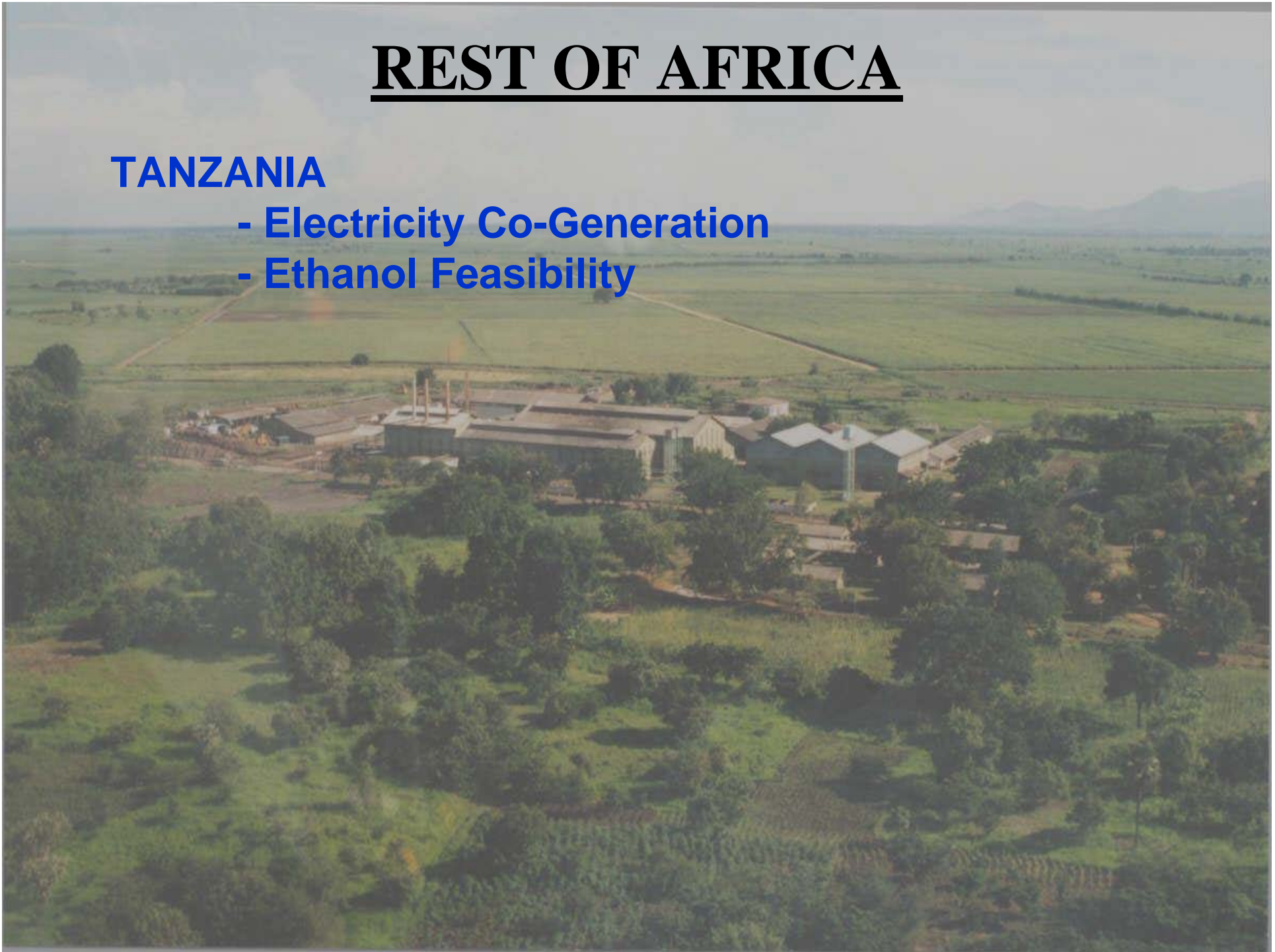
- Direct Government Contact
  - D.M.E. (through REEEP Platform)
  - DTI (with industry and individual players)
- Renewable Energy Industry
  - IEA Bio-energy forum (2004) for Biomass
- Solar
- Wind
- Hydro
- Nuclear



# REST OF AFRICA

## TANZANIA

- Electricity Co-Generation
- Ethanol Feasibility



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## ZAMBIA

- Co-generation & Power Efficiencies
- Ethanol plant feasibility study

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## TANZANIA

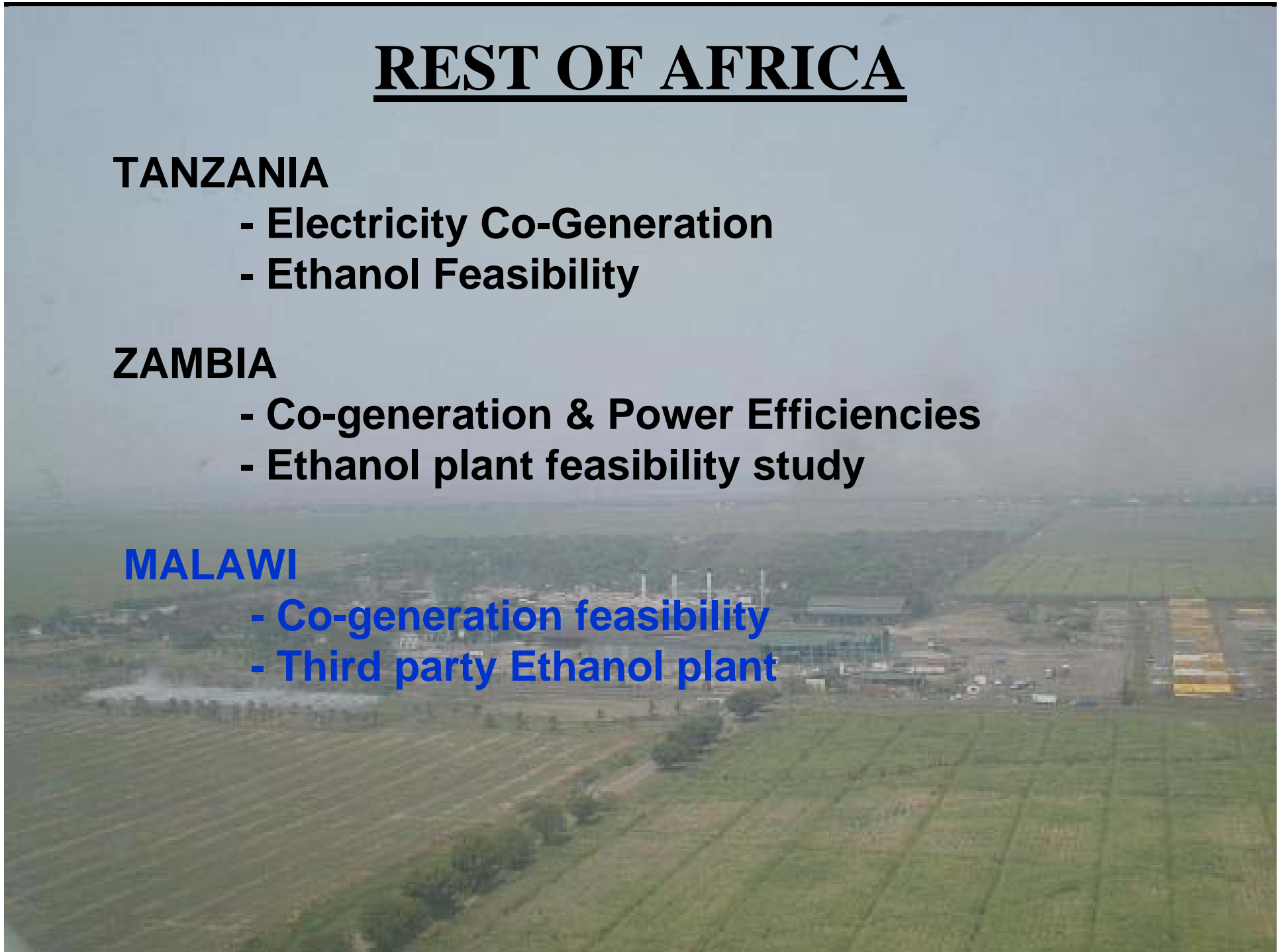
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## MALAWI

- Co-generation feasibility
- Third party Ethanol plant



# REST OF AFRICA

An aerial photograph of a large industrial complex, likely a refinery or chemical plant, featuring numerous buildings, pipes, and smokestacks emitting white plumes of smoke. The facility is situated in a flat, open area with some greenery in the background.

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## SWAZILAND

- Octane enhancer policy review - Govt
- Ethanol plant?
- Co-Generation