

# Bioenergy: Africa's energy solution

A primer on biofuels for power, heating and  
industrial use

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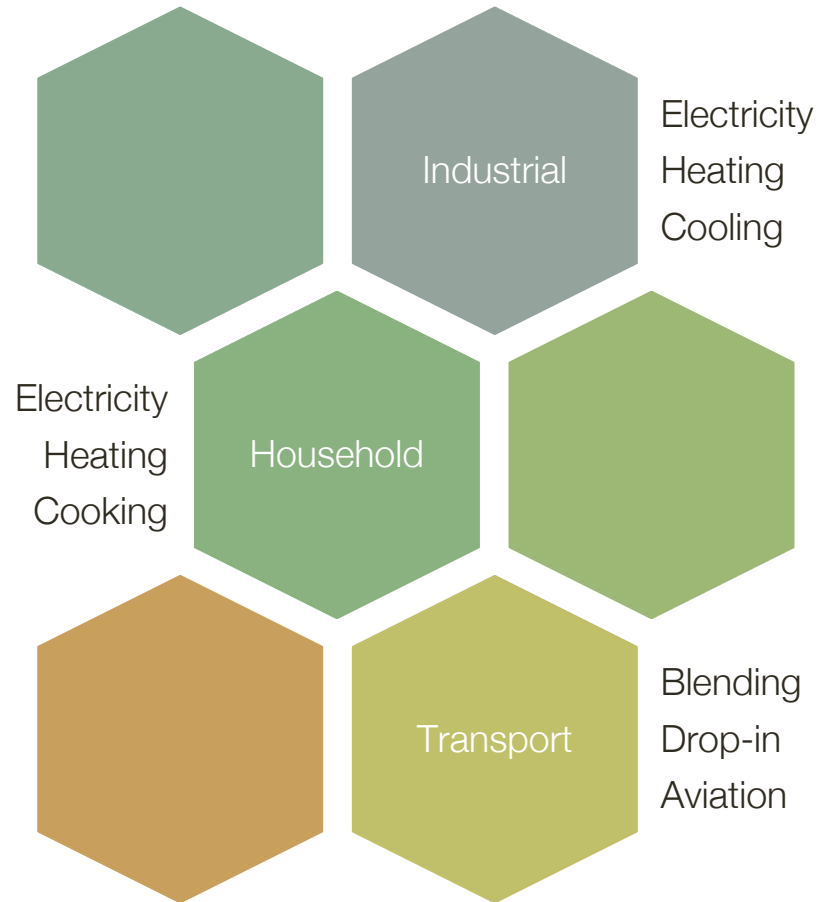


# Types of bioenergy

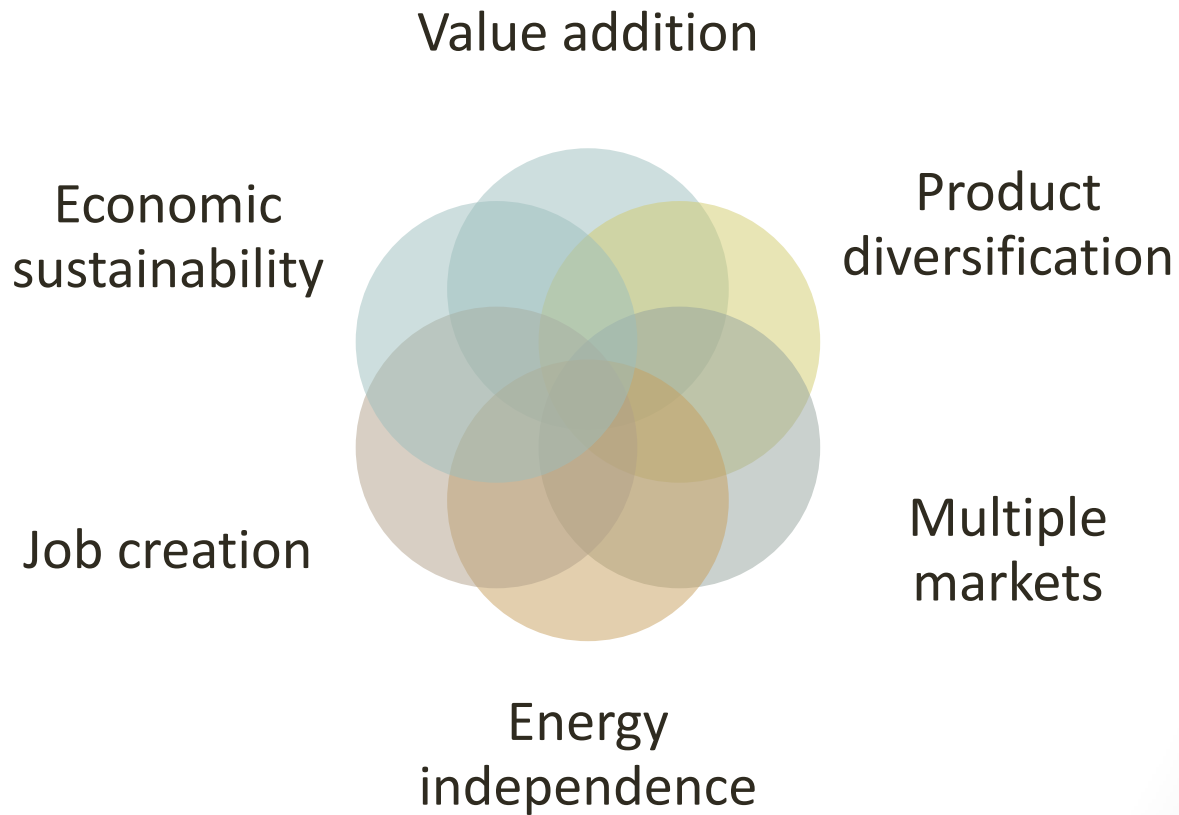
- Liquid fuels
  - Biodiesel from oilseeds
  - Ethanol from sugars and starches (and waste!)
    - Electricity
    - Cooking
    - Transport
- Solid fuels
  - Forestry & wood residues
  - Wood
    - Combined Heat & Power (CHP/co-generation)
    - Pellets
      - Co-firing
    - Torrefaction
- Gaseous fuels
  - Dry waste or wood → Gasification
  - Wet waste → Biogas



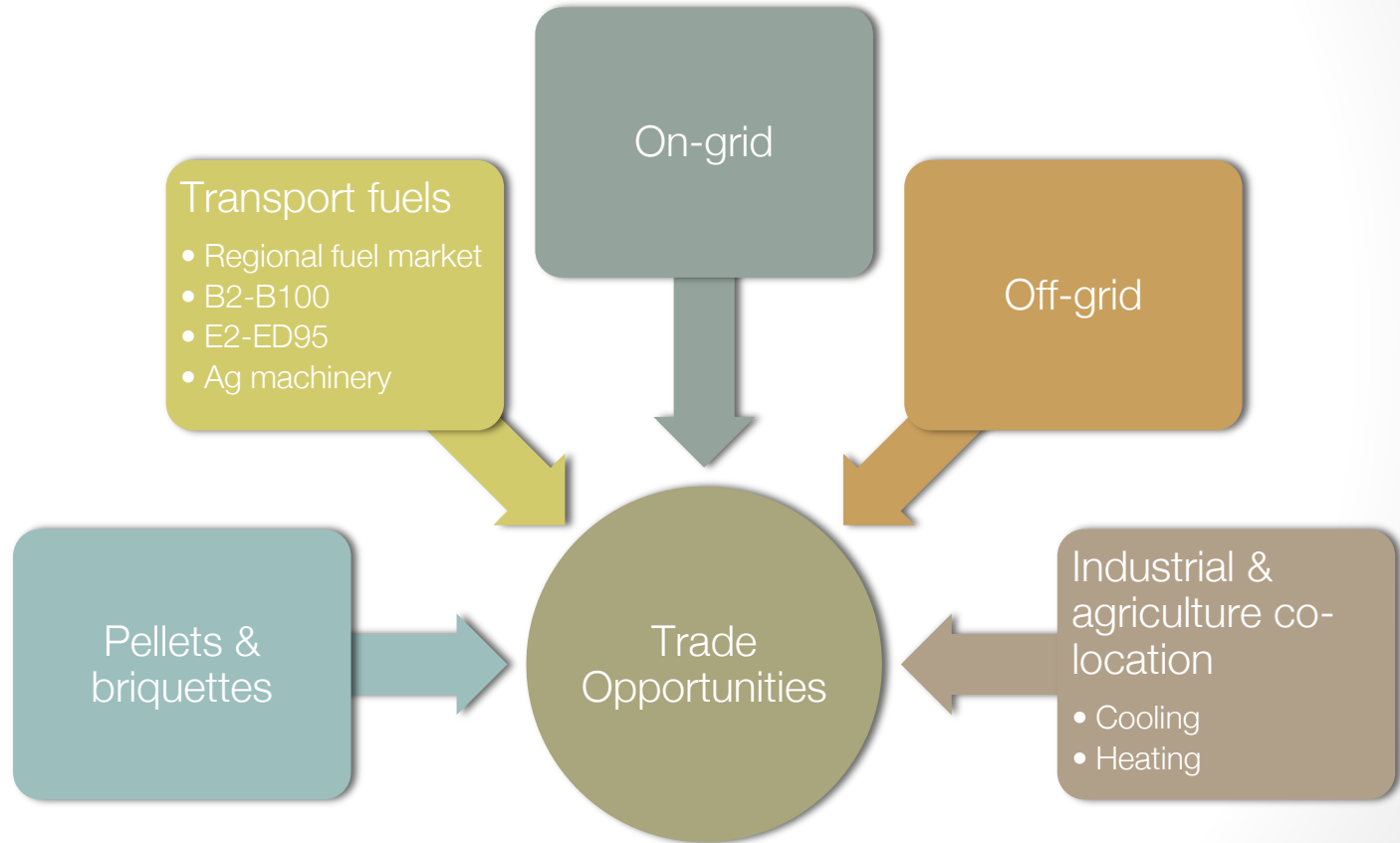
# Uses for bioenergy



# Bioenergy in practice



# Market & trade opportunities



# Investment needs



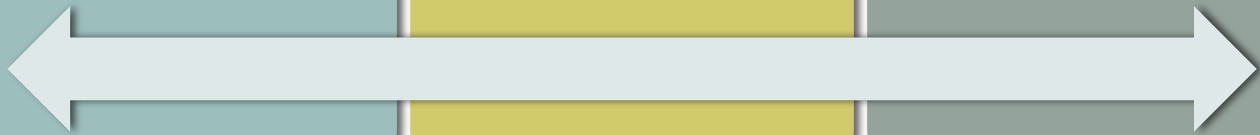
Project  
Development  
Finance



Project  
Bundling



Blended  
Finance

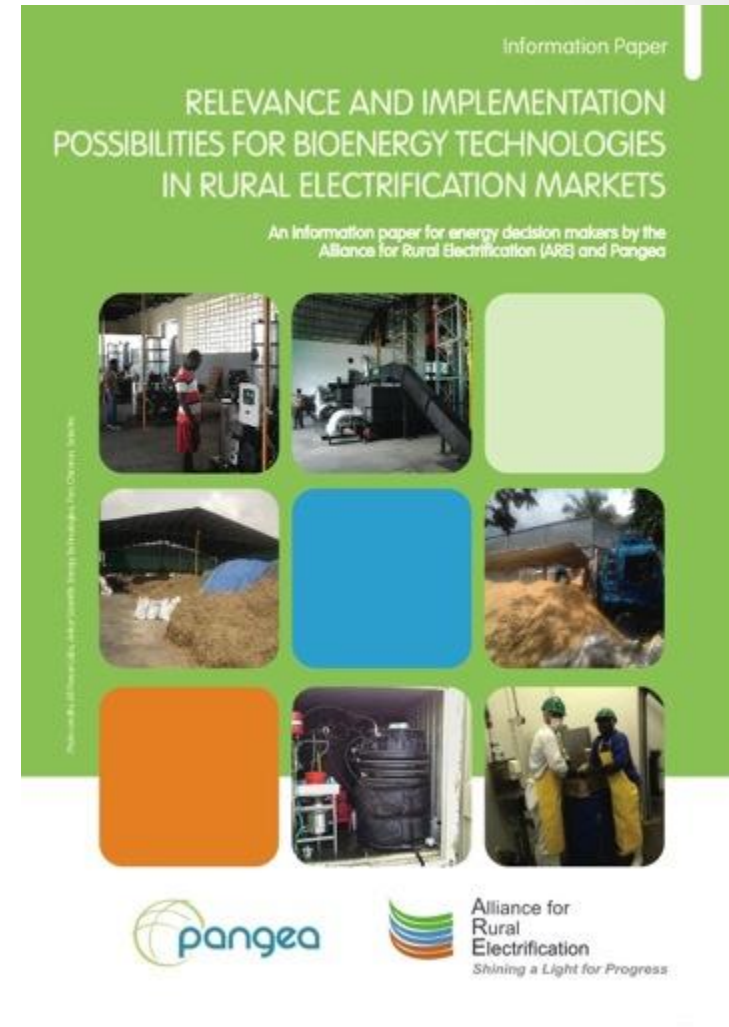




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## bioenergy mini-grids paper

- Technology overview
  - Biogas
  - Solid biomass
  - Co-generation
  - Liquid biofuels
- Sustainability requirements
- Regional case studies
  - South Africa
  - Philippines
  - India
  - Liberia
- Policy recommendations



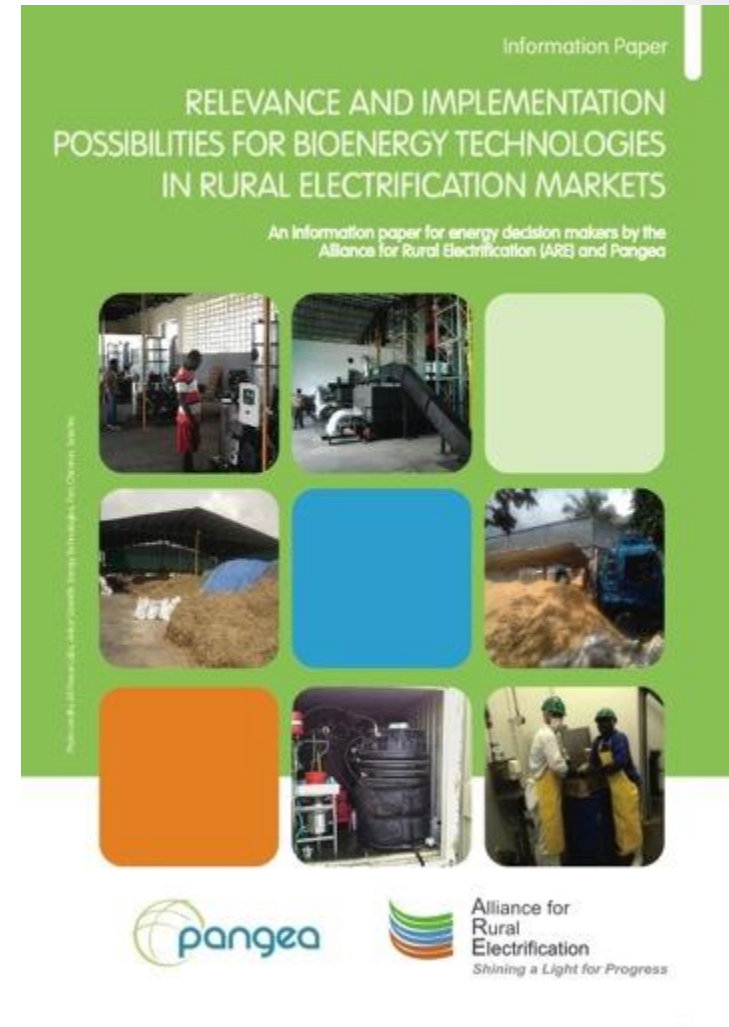


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## bioenergy mini-grids paper

### Policy recommendations

- Set policy targets to promote biomass-powered mini-grids, reducing investor risk and encouraging private sector investment
  - « Open for Business »
- Match policy targets with awareness raising for both communities and investors
- Public sector and donor support to help bridge the financing gap to achieve project bankability
- Support for community financing models to ensure farmer participation
- R&D support for technology development, adaptation and inclusive business models





Thank you  
for your  
attention.

