

Biofuel - Samoa

Small pacific Island (middle pacific ocean)

200,000 pop

2 main islands

Hit by Tsunami 29/9

Research Organisation

1. Food development (adding value)

2. Renewable Energy

Govt & RE's

Green House Gas Abatement Policy (2008 – 2009)

1.Mitigation

2.Adaptation

Samoa National Energy Policy (2008 – 2013)

Target - 30% RE in place of imported fossil fuels

1.Hydro – power generation

2.Biofuels – Land transport & power generation

Biofuels

Biodiesel (coconut oil) - Running

Bio-ethanol (2nd generation)

Experimental (20 L fermentation unit)

Biomass Gasification

Biodiversity

Need to strike balance – Gov't full aware

1. Economic reasons – forex/grass root
2. Agriculture and food production
3. Environmental (GHGAbt)
4. Development – energy policy