

Grösse aus-Samoa.

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# Geothermal Energy in Samoa

11-13 Nov 2015

Suva, FIJI



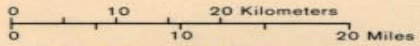
Government of Samoa  
MINISTRY OF NATURAL  
RESOURCES AND ENVIRONMENT



# Samoa

- ★ National capital
- District boundary
- Road

Administrative districts are used only in the operation of government services and have no capitals.



Lambert Conformal Conic Projection, SP 9 205/14 405





# Samoa Energy Sector

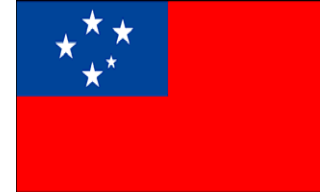


- NECC (National Energy Coordinating Committee) is chaired by Minister of Finance who is also the Prime Minister of Samoa
- Co-chaired by 2 Cabinet Ministers
- All energy-related decisions are made here
- Energy stakeholders
  - Ministry of Finance (MoF)
  - Ministry of Natural Resources and Environment (MNRE)
  - Electric Power Corporation (EPC)
  - Scientific Research Organization of Samoa (SROS)
  - Samoa Trust Estates Corporation (STEC)
  - Land Transport Authority (LTA)
  - Ministry of Works, Transport and Infrastructure (MWTI)
  - Ministry of Commerce, Industry and Labour (MCIL)
  - Attorney General's Office (AGO)
  - Ministry for Revenue (MfR)





# Samoa Energy Sector Goal



- **100% Renewable Electricity by year 2017**

- Currently 40% RE mix in electricity generation from hydropower, solar power and wind power
- Potential additions to the mix can be from biomass and geothermal



# Hydropower on Upolu Island



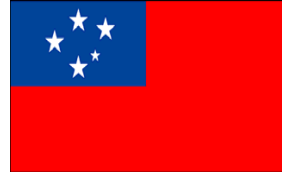




# Solar Power on Apolima Island





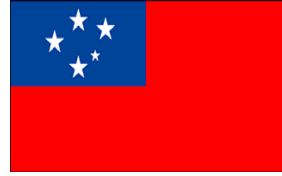


# Wind Power on Upolu Island





# Biodiesel Research in Samoa







# Historical Geothermal Activities in Samoa



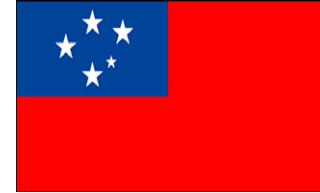
- Mauga Afi eruption in 1760 (approx.)
- Mauga Mu in 1902
- Matavanu eruption in 1905 – 1911  
on Savai'i Island
  - Displaced many people from Savaii to Upolu



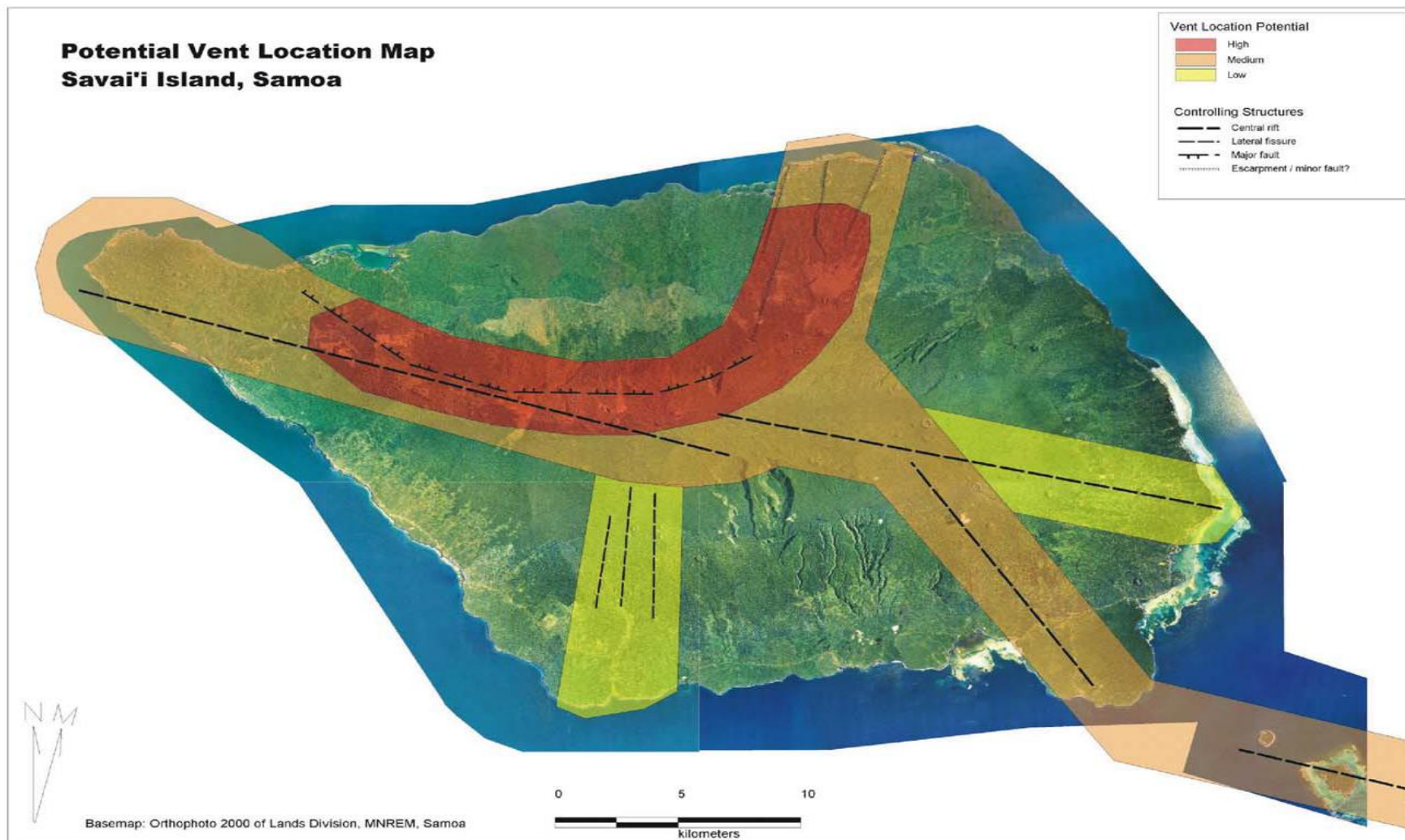
# Lava fields from Matavanu Eruption

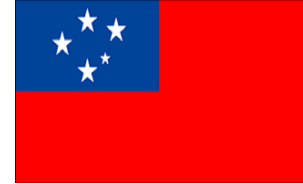




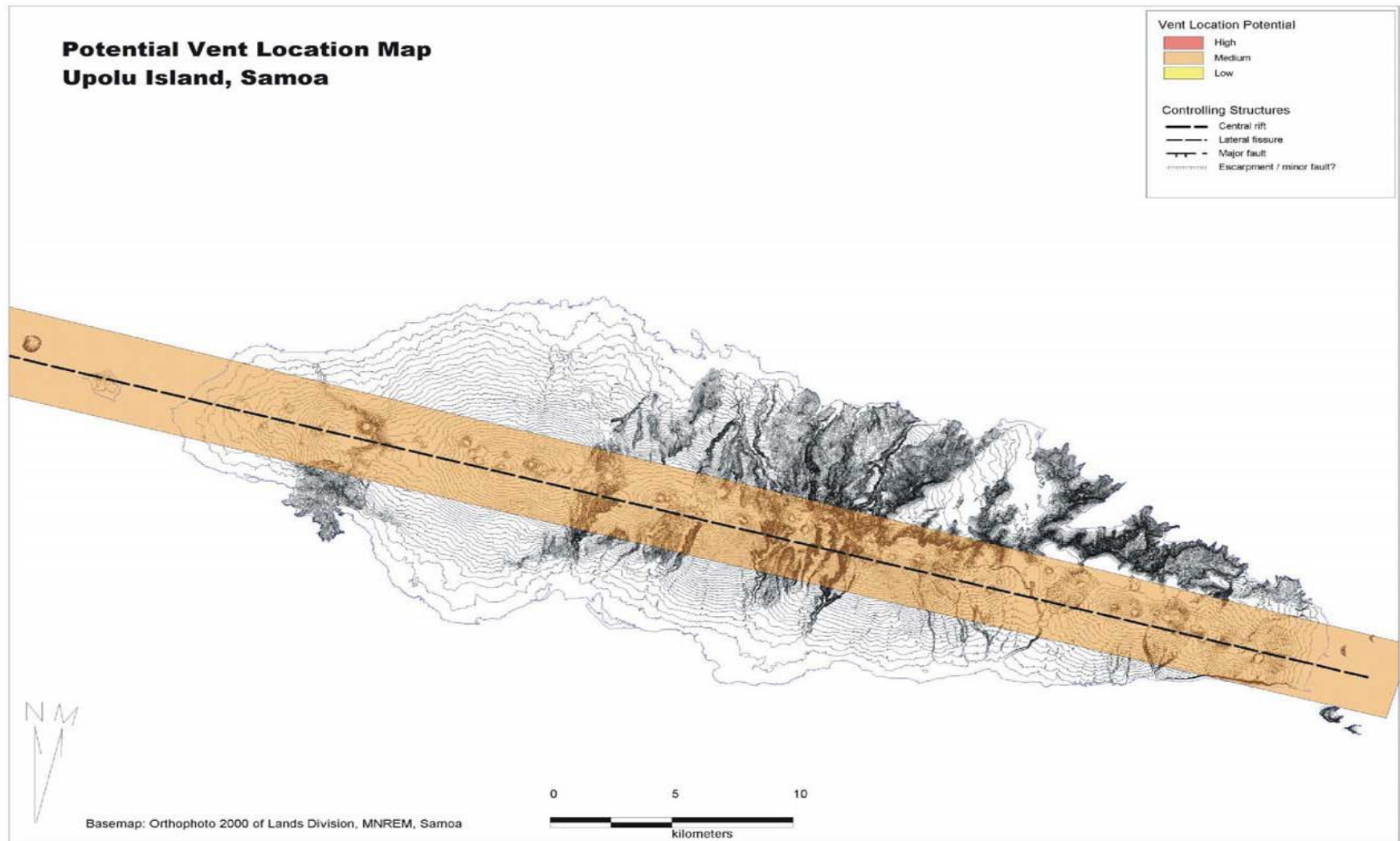


# Potential Eruption Vent Location Map for Savaii Island





# Potential Eruption Vent Location Map for Upolu Island







# Potential Geothermal in Samoa

- Savaii Island has potential for geothermal energy extraction as it has more active vents
- With the assistance of IRENA and all other development partners, this other source of energy can be utilized to serve the energy needs of Samoa



THANK YOU FOR YOUR RENEWABLE  
ENERGISED ATTENTION!

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