



Tany Meva Foundation, Eco Energy (e2) and Project Gaia to Convene Micro Distillery Workshop in Antananarivo – November 12 to 14, 2012

Tany Meva Foundation, in partnership with the World Bank, Project GAIA, Inc., EcoEnergy Business Group (e2), and Green Development AS will convene a three-day workshop in Antananarivo, Madagascar, on small or micro scale ethanol production for fuel use. The workshop builds on the results of the 2011 World Bank-published study, *Ethanol as a household Fuel in Madagascar – Health Benefits, Economic Assessment and Review of African Lessons for Scaling Up*. The study was commissioned by the Government of Madagascar and conducted by a team led by Practical Action Consulting that included University of Liverpool, Berkeley Air Monitoring Group, Eco Consulting Group, Tany Meva and Project Gaia, Inc.

Project Details: The 3-day workshop will engage multiple stakeholders in capacity building and knowledge transfer to help encourage small-scale production of ethanol for local markets, especially for cooking. “Farm-scale” production fits the local context, whether single operations or cooperatives, and might be sized to produce anywhere from 100 to 5,000 liters per day of ethanol. Project Gaia will provide the micro-economic analysis and business case for small scale fuel ethanol and stoves. Ecoenergy (e2) will provide technical training for building and operating a small fuel distillery. Ecoenergy will also discuss the production of bioethanol from crop residues, wastes, by-products and other feedstocks. Green Development will discuss the opportunity for carbon finance.

Workshop Presenters: Tany Meva is a Malagasy funding and nonprofit organization working to promote sustainable management of community resources, including the promotion of renewable energy kits for cooking and lighting. EcoEnergy Business Group (e2) is a Colombian company that has pioneered the use of farm-scale distilleries in Central America and teaches about small scale distillation. Green Development AS is a carbon finance expert specializing in clean renewable fuels. Project Gaia, Inc. is a non-profit organization that promotes the use of alcohol fuels for cooking and other appliance use. The World Bank has provided funding assistance for the workshop.

Registration, Location & Contact: The workshop will be held at the Madagascar Development Learning Center (DLC) in Ampefiloha, Antananarivo on November 12-14, 2012. Registration fees are \$50 (USD) for Malagasy private sector participants and \$100 for international participants. Participant fees cover handout materials and meals during the workshop. Attendees are required to make their own arrangements for accommodation.

The deadline for registration is Monday, the 5th of November, 2012. To register, please contact Ravaka Ranaivoson at Tany Meva at r.ranaivoson@tanymeva.org.mg or call +261 20 22 403 99 or +261 34 07 083 76.

For additional information, please contact Project Gaia at info@projectgaia.com or Gulce Askin, gulce.askin@projectgaia.com, or call +1 (717) 334-5594.



Small Scale Ethanol Workshop – Description

Further to its support for the promotion of renewable energy for domestic use, the **Tany Meva Foundation** with its partners announces a workshop devoted to small scale production of ethanol for fuel use.

a. Workshop objective

The workshop objective is to contribute to the promotion of the domestic ethanol industry in Madagascar for small scale distributed fuel production.

The workshop aims to:

- ✓ Increase participants' capacity regarding small scale production of ethanol by offering the opportunity to receive training on: feedstocks, equipment, the distillation process, opportunities offered by ethanol production, required investment;
- ✓ Sensitize financial partners to support the small scale ethanol industry.

b. Expected results

By the end of the workshop, the participants will have capacity in the following fields:

- ✓ Ethanol production at a small scale from sugar cane and other feedstocks:
 - Basic principles
 - Technical process: feedstock preparation, fermentation, distillation, storage;
 - Differing technologies,
 - Industry safety and precautions in ethanol production;
- ✓ Profitability analysis for micro scale production
 - Costs of micro distilleries and related equipment;
 - Business plan for a representative micro distillery;
 - Co-products and services of micro distilleries;
 - Financing; potential for carbon finance
- ✓ Financing a Micro distillery (Green Development)
 - Equity and Loans
 - Loans secured by income from carbon credits
 - Potential grant support for initial Micro Distilleries
- ✓ Uses of ethanol:
 - Various uses of ethanol as a fuel: cooking, lighting, heating;
 - Ethanol specifications;
 - Advantages of ethanol as a fuel;
- ✓ Supporting and nurturing the ethanol industry for domestic fuel use:
 - Incentives and regulation
 - Funding the micro distillery



Green Development



c. Trainers

EcoEnergy Business Group (e2): John B. Loke, Luz Adriana Mesa
Project Gaia Inc. (PGI), USA: Brady Luceno, Gulce Askin, Harry Stokes
Green Development AS Norway, Havard Norstebo

d. Targeted audiences:

Farmers
Small Businesses
Resource Professionals
Funding Agencies
Banks and Financiers
Engineers, Researchers, Scientists
Private sector individuals and groups working in the energy sector, including producers of stoves and distillation equipment.
Representatives from government; the ministries of Energy, Environment and Agriculture

e. Date and place for the workshop

From 12 to 14 November 2012 at the Madagascar Development Learning Center DLC in Ampefiloha, Antananarivo

f. Participation fees

Native private sector: 50 USD
International participants: 100 USD

Participation fees cover handout and meals during the workshop. Participants have to ensure their own lodging and other arrangements.

Deadline for inscription: 5 November 2012

g. Contact

Ravaka Ranaivoson, Tany Meva
r.ranaivoson@tanymeva.org.mg
Tel: +261 20 22 403 99 and +261 34 07 083 76

Gulce Askin, Project Gaia
Gulce.askin@projectgaia.com
Tel: +1 717 334 5594



FIOFANANA MIKASIKA NY FAMOKARANA ETHANOL EO ANIVON'NY ORINASA MADINIKA SY
SALANTSALANY

WORKSHOP ON MIDDLE AND SMALL SCALE ETHANOL PRODUCTION

12 kahatramin'ny 16 novambra 2012, Antananarivo - Madagascar

Participant's name <i>Anaranasyfanampin' anarana</i>	
Company <i>Anaran'nyfikambanananaorinasaiasana</i>	
Position <i>Andraikitraao @ fikambanana/orinasa</i>	
E-mail <i>E-mail</i> Tel. :	
Adress/ <i>Adiresy</i>	
Region/ <i>Faritra</i>	
Country/ <i>Firenena</i>	
Sector/ <i>Sehatraiasana</i> <input type="checkbox"/> Sugar cane plantation/ <i>fambolenafary</i> <input type="checkbox"/> Alcohol ethanol production/ <i>famokaranaalikaola/ethanol</i> <input type="checkbox"/> Equipment for distillation – fermentation production/ <i>Famokaranafitaovanafanodinanafary</i> <input type="checkbox"/> Packaging for alcohol/ <i>Famokaranafitaovanaitehirizana-itateranaalikaola (tavoahangy, ...)</i> <input type="checkbox"/> Other (please, precise)/ <i>Hafa (faritoazafady) :</i>	
Why will this workshop be beneficial for your work? Please summarize your expectations. <i>Inona no mahatsaraity fiofananaity ho an'ny asanao ? Fintinotsotrany andrasanao amin'ity fiofananaity</i>	
Have you been directly involved in ethanol industry? Please explain briefly when was it and if you could already see results. <i>Efamasaeo amin'ny sehatry ny ethanolveny orinasa/fikambananamisy nao ? Nanomboka oviana ? Inona no vokatra azohatreto ?</i>	
Have you attended any other course on ethanol production? Which one (s)? Please explain. <i>Efananatrika fiofananamikasikany famokarana ethanol veiana? Fintino amin'ny mampiangonany azafady : fotoana, toerana, lohahevitra</i>	
Additional comments <i>Fanamarihanahafa</i>	

REGISTRATION FORMULA – TARATASY FISORATANA ANARANA

Please Return by 5 November