



Imagine a world where a farmer creates her own compost and doesn't have to depend on toxic chemicals for fertilizing the food her children will eat, where families create methane gas from animal manure and use it as fuel for cooking and lighting instead of firewood taken from the forest. Imagine a world where people feed themselves without having to endanger animals and plants close to extinction.

This is our vision at Ecodana.

## PROPOSED PROJECTS

SUSTAINABLE HUSBANDRY AND BIOGAS INSTALLATION FOR FARMERS IN NICARAGUA

WELFARE INCREASE FOR INDIGENOUS SUBSISTENCE FARMERS IN INDONESIA

COMPOST LATRINES FOR AN ENTIRE COMMUNITY IN GUATEMALA

COMMUNITY FOREST MANAGEMENT FOR INCOME GENERATION IN INDONESIA

BIOGAS SYSTEMS FOR FARMERS IN VIETNAM

FOREST ENRICHMENT TO PREVENT SOIL EROSION IN BALI, INDONESIA

We are seeking funding for all of the above projects. Even partial funding will help us as we can leverage that success to seek more funding.

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## SUSTAINABLE HUSBANDRY AND BIOGAS INSTALLATION FOR FARMERS IN NICARAGUA



This project has as its primary goal to develop a pig breeding farm for sale at the local market and to build a biodigester that will generate biogas for cooking using pig manure. With the added income, the community will be expected to double their current contribution towards energy and water costs. This increase in income will guarantee that the solar water pump that supplies water and the wind turbine that provides light to the community will be maintained correctly.

Our partner, Asofenix, is a Nicaraguan not for profit nongovernmental organization. Its purpose is to use natural resources and promote the use of renewable energy to contribute to the development of rural communities. Asofenix was founded in 2001.

**BUDGET:** \$5,500

**LOCATION:** Cuajinicuil community, municipality of Teustepe, Nicaragua

## SUBSISTENCE FARMER EMPOWERMENT THROUGH INCOME GENERATING ACTIVITIES



Traditional subsistence farmers in rural Indonesia rely on the land for their livelihood. Over the years, the forests and grasslands where they live have been threatened by industrial scale logging and forest fires, making it difficult for them to make a living and causing destruction to the ecosystem.

Our partner, local NGO Mata Rantai, is helping farmers make better use of their resources by teaching them integrated activities which will not only alleviate their own poverty but will also promote environmental sustainability. The farmers will learn how to raise cows for making compost, grow organic produce and cultivate rubber and fruit trees to earn income and prevent destructive forest fires. They will also be coached and assisted in developing local market channels for selling their products.

**BUDGET:** \$2,650

**LOCATION:** Tumbang Titi district, Kalimantan, Indonesia

## COMPOST LATRINES FOR AN ENTIRE COMMUNITY IN GUATEMALA



In Colonia Cristo El Salvador, a village in Guatemala, the most common bathroom facility is a hole dug in the ground. This is worrisome because we know it is a perfect breeding ground for organisms which spread diseases that endanger the lives of the families in the community. Amigas Del Sol (ADS), our partner in Guatemala, builds compost latrines in these communities. Last year Ecodana helped them fund four latrines. You can see the updates [here](#).

This year we decided to collaborate more deeply with ADS. We asked ADS to have the community agree to donate \$12 and labor if we could get the price per latrine below \$100 by following a model similar to Groupon. All 105 families have agreed to it. This model allowed ADS to have some bargaining power with the cement and transportation companies that operate in the area. This project will essentially create one full time job, allow us to monitor the impact of having a whole community using safe and sustainable sanitation.

With your help, we can provide these families with a safe ecologically-sound waste disposal system that prevents disease and creates compost which can be used as fertilizer. With your contribution we hope to get matching grants from corporate sponsors.

**BUDGET:** \$15,571

**LOCATION:** Colonia San Cristobal, Guatemala

## COMMUNITY FOREST MANAGEMENT FOR INCOME GENERATION IN WEST KALIMANTAN, INDONESIA



In Indonesia, habitat destruction from logging, mining and industrial plantations has robbed many traditional forest communities of their livelihoods. These same forces have contributed to environmental damage and global warming.

We've partnered with grassroots organization Yayasan Taras to provide a solution to this economic and environmental crisis: the development of local community-based plantations of Agarwood, a resinous heartwood used for centuries in incense, perfumes and for medicinal purposes. Today Agarwood is nearly extinct because of high demand. Farmers would be taught the environmental and economic benefits of its cultivation. This project will help protect more forest as the farmers see the benefit of sustainable management.

With your help, we can enable the indigenous forest communities of Sebalos and Paling, in West Kalimantan, Indonesia to create sustainable livelihoods while preserving the endangered old-growth *Aquilaria* and supporting forest and wildlife conservation.

**BUDGET:** \$3,850

**LOCATION:** Sebalos and Paling, Kalimantan, Indonesia

## BIOGAS SYSTEMS FOR VIETNAMESE FARMERS



Farmers who make up 70-80% of the local economy in southern Vietnam, are coming up against the limits of the environment. The discharge of fresh animal dung into open gutters and community waterways, pose a health risk and strain the environment. A sustainable solution to this problem is the treatment of animal waste by biodigestion which produces a methane-based biogas that can be used for cooking or lighting.

NGO Thiện Chí, one of our partners in Vietnam, has successfully promoted a biogas system which is cheap, efficient, long lasting and easy to install. It is a clean source of renewable energy which reduces CO<sub>2</sub> emissions, disease and deforestation by alleviating the need for wood or coal. You can join our efforts to support the livelihoods of these farmers by helping to fund Thiện Chí's efforts to help farmers switch to biogas.

**BUDGET:** \$3,300

**LOCATION:** Bình Thuận province, Vietnam

## FOREST ENRICHMENT TO PREVENT SOIL EROSION IN BALI, INDONESIA



Yehembang village is an agricultural and farming district located between the ocean and the forest in West Bali, Indonesia. It is one of Bali's high-risk areas for landslides, land erosion and land abrasion disasters. Additionally, Yehembang's supply of mountain and forest water has diminished due to the lack of community awareness about how to preserve their water sources, leading to the loss of crucial trees needed to conserve the conditions of the soil and water.

Traditionally, retaining walls have been built to prevent further erosions. Our partner, IDEP Foundation, along with local partners and the community of Yehembang, have proposed a more sustainable and ecologically sound alternative: water preservation and soil rehabilitation through community and school involvement in diverse tree planting and education about these issues.

**BUDGET:** \$5,665

**LOCATION:** Yehembang, Bali, Indonesia