

Kopernik

Project title

Scaling up clean energy technology through women's empowerment in Eastern Indonesia

Consortium partners

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Country

Indonesia, 10 provinces in Eastern Indonesia: East and West Nusa Tenggara, Maluku, North Maluku, and 6 provinces in Sulawesi.

Timeframe

2014 – 2017

Funding

Total project funds: € 720,000

ENERGIA contribution: € 500,000

Donors

Swedish Development Cooperation Agency (Sida)

Norwegian Agency for Development Cooperation (Norad)

Objectives

General objective

Improve the quality of living of women and poor households in Eastern Indonesia.

Specific objectives

- Improve the socioeconomic status, including income, of women MSEs through selling innovative technologies to their communities.
- Reduce poverty, improve health, and preserve the environment through the use of innovative technologies in last-mile communities.
- Advance the adoption of women's economic empowerment as a core component of energy access for all.

Technologies

Solar lighting, improved cookstoves, water purifiers

Targets

600 women-led MSEs including

250,000 consumers

Value added strategy for overall WE programme

The project facilitates technology adoption and creates new business opportunities for poor women without them having to take on risk or debt. Working with existing networks of women's groups across Indonesia Kopernik will provide women and women-managed shops with extensive training and a range of life-improving technology (such as biomass fuel efficient cookstoves, solar lights, and water purifiers) on consignment. The women become 'tech agents' or 'tech kiosks'² and sell the products to their communities. They earn a margin from each sale and repay Kopernik for the cost of the products and replenish their inventory.

By working through existing shops and networks this model is easily scalable, because there is no need to invest in forming new structures. By using a consignment model, the risk of the women having to take on debt is removed. And the technology itself improves household socioeconomic productivity, is environmentally sustainable, and fosters positive change in the community more broadly.

Outcomes

- Women MSEs are empowered with skills, knowledge and market access to sell and deliver clean energy technologies to last-mile communities.
- Project has engaged with target audience, to share project milestones, impact and lessons learned