




EU – Philippines

Access to Sustainable Energy Programme

**PRODUCTIVE USE OF RENEWABLE
ENERGY (PURE)**

ENERGY INVESTMENT IEC



Productive Use of
Renewable Energy
(PURE) in Off-grid
Communities
aims to increase incomes
of HHs to help pay for
electricity services



PURE targets last mile areas mostly inland, upland and costal communities still not connected to the grid

Site Selection

Site selection is done in close coordination with the Department of Energy and the Electric Cooperative in short-listing areas



Site Selection

Site Survey of Sample Households

- Collection of data on: Agricultural Crops, Income Sources, Household Expenses, Energy Use



Data analysis

- Evaluation of data to identify priority agricultural crop for post-harvest processing



Consultation with Partners

- Presentation of proposed site and priority crop to DOE, EC and Community partners for final approval

Project Implementation



Social Preparation

- Coordination with EC and LGU
- Orientation meeting with community
- Community immersion
- Capacity building of local association



Technical Study

- Determination of appropriate post-harvest technology
- Preliminary Financial Analysis



Market Study

- Market Scanning
- Identification of target market/buyer and marketing approach/strategy

Implementation Process

Social Preparation



Strengthening of local organizations



Marketing approach



Establishing partnership with Electric Cooperative



Mentoring and Coaching on Finance Management and Bookkeeping

Implementation Process



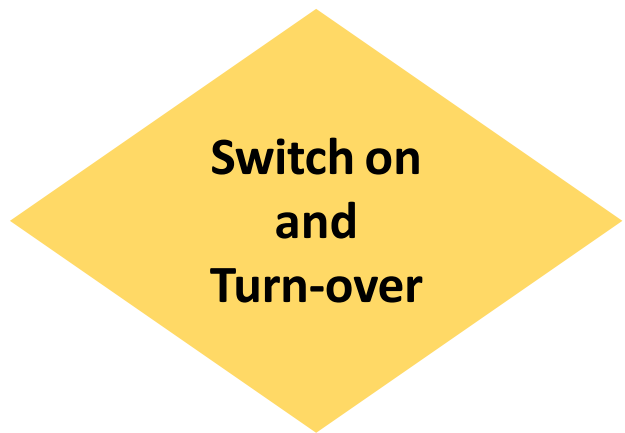
Procurement and Delivery



Inspection and Testing



Installation



Switch on
and
Turn-over



Training of Local Technicians



PURE Business Model

ELECTRIC COOPERATIVE

General /
Management
Oversight

EC (Local Office)

Monitoring
of Operation

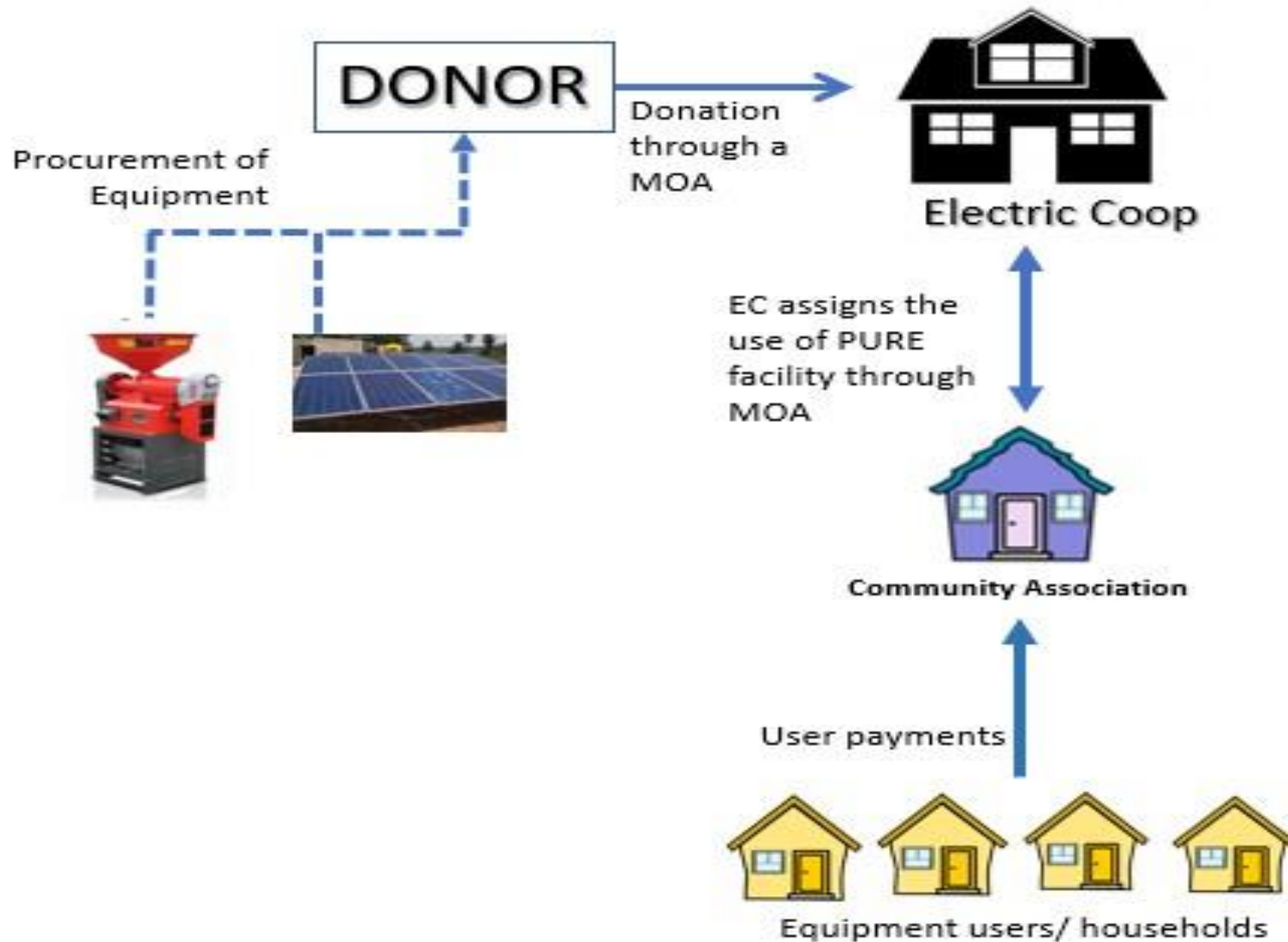
Policy
Enforcement

Community Association (Barangay /Sitio)

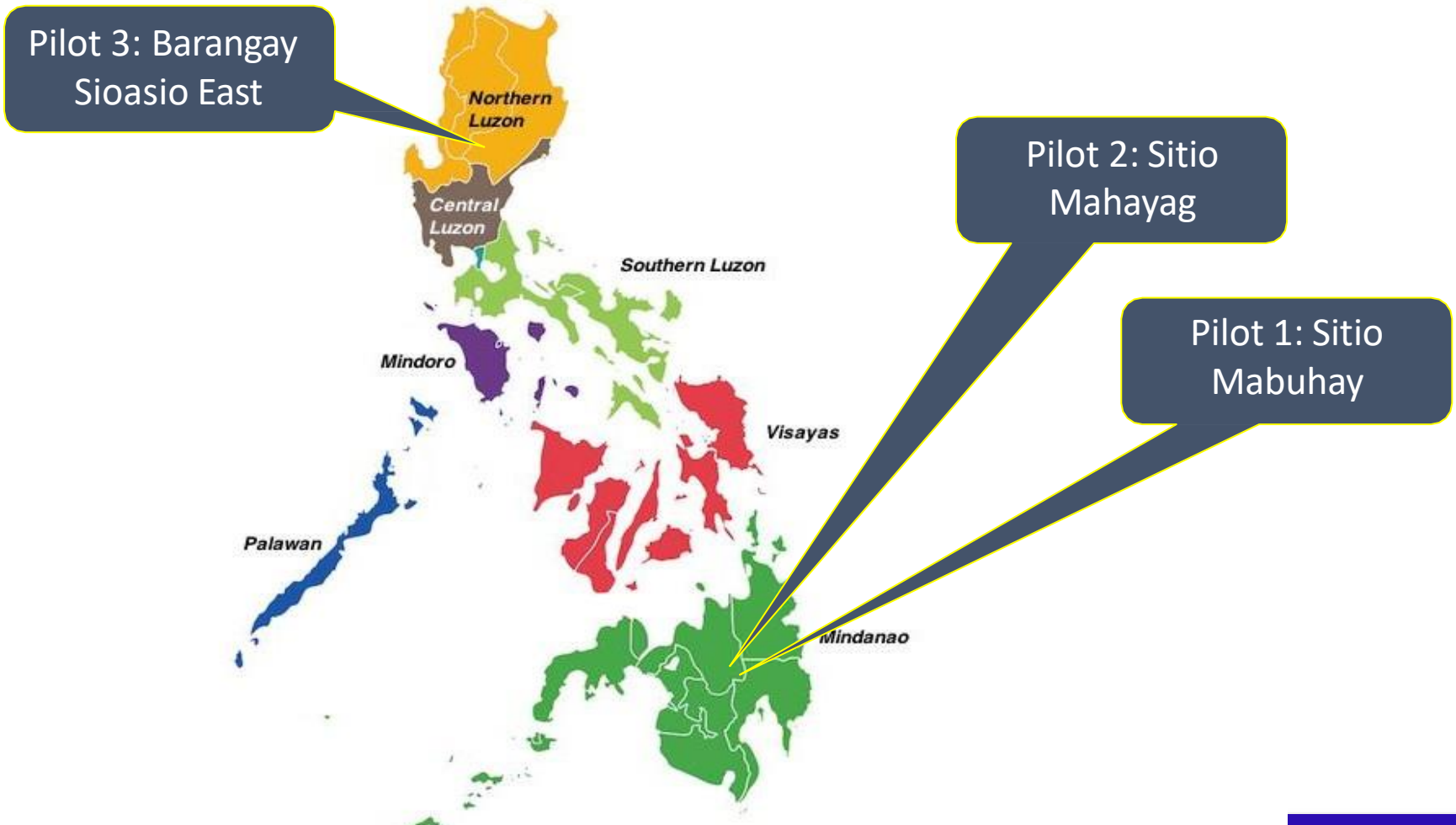
Day-to-day operation
and maintenance

Accounting,
bookkeeping,
marketing

Funds Flow for PURE Pilot Projects



Three PURE Pilot Projects were implemented by ASEP TA in collaboration with DOE and ECs



PURE 1

Solar Powered Abaca Spindle Stripping Machine



PURE 1

Solar Powered Abaca Spindle Stripping Machine



PURE 2

Solar Powered Corn Processing Machines



PURE 3

Solar Powered Rice Mill



Rice Winnower



Rice Mill



Rice De-stoner



Sewing Machine



Community “buy-in” is essential...

Close coordination with Electric Cooperative and the Donor at the onset of the project
Protocols with LGU (courtesy call, letters, MOA)



LESSONS LEARNED



**Community
“handholding” is
needed...**

**Training in basic equipment
maintenance**



Registration and accreditation of community association; linking up with agencies and private sector

“Institutional development can lead to sustainability...”

Thank you!

Visit ASEP website:
www.eu-asep.ph