Community Participation in Promoting Domestic Biogas Sector in Indonesia

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Indonesia
Domestic Biogas Reactor - through IDBP*
2009- 2015

[IDBP : Indonesia Domestic Biogas Program digester total : 14,724
Survey 2013 : 12 969 210 HHs based livestock farms, 629 Ent, 2 247 others]
Digester construction in East Java Province
Promoting Domestic Biogas Sector through IDBP

HIVOS, SNV
- Program Management* and Technology transfer, to local partners

Yayasan Rumah Energi
- HR and Financial Management, Partnership, Training/capacity building, networking, standardization, carbon monitoring, R&D, financial link

Construction Partners, Lending Partners, Appliances Companies, Universities, Agro business ventures
- Promotion
- Construction
- Appliances engineering and trading
- Money lending
- Bio slurry utilization
Construction Partners (SME, NGO, Cooperative)
Promoted Biogas Sector

- Biogas R&D and Consulting Company (e.g. YRE)
- Agro Companies
- Construction Companies
- Academic
- Lending Organization
- Appliances Companies
- USERS
- Carbon Buyers
- District Government
- DGNREEC
Financing for Biogas reactor within the co-financing mechanism – (HIVOS, GOI, Lending Agencies, Users)
<table>
<thead>
<tr>
<th>Provinces</th>
<th>Number of Biogas Users</th>
<th>Credit Value</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>IDR</td>
<td>IDR/person</td>
<td>USD/person</td>
</tr>
<tr>
<td>Central Java</td>
<td>22 Persons</td>
<td>132,000,000</td>
<td>6,000,000</td>
<td>486</td>
</tr>
<tr>
<td>South Sulawesi</td>
<td>5 Persons</td>
<td>15,000,000</td>
<td>681,818</td>
<td>1,216</td>
</tr>
<tr>
<td>Nusa Tenggara Barat</td>
<td>41 Persons</td>
<td>236,500,000</td>
<td>10,750,000</td>
<td>19,171</td>
</tr>
<tr>
<td>Lampung</td>
<td>20 Persons</td>
<td>120,000,000</td>
<td>5,454,545</td>
<td>9,727</td>
</tr>
<tr>
<td>Jogjakarta</td>
<td>4 Persons</td>
<td>14,000,000</td>
<td>636,364</td>
<td>1,135</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>92 Persons</strong></td>
<td><strong>517,500,000</strong></td>
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</tbody>
</table>
The need for Lending Partners

Main segment in BIRU is small holders (2-4 cows)

Digester cost (6 m3) is IDR : 7,892,000 or 642 USD

Average milk harvesting : 10 liter/day – price at IDR 5,600/liter or less then 5 USD / day

GOI subsidy : 1,5 – 3 million IDR
IDBP/BIRU : 2 million IDR
Lending partner : 1- 3 million IDR