

SNV and the dissemination of domestic biogas



Ambitions for the Energy for All Partnership

Netherlands

Development

Organisation

Manila, Philippines,
17 June 2009

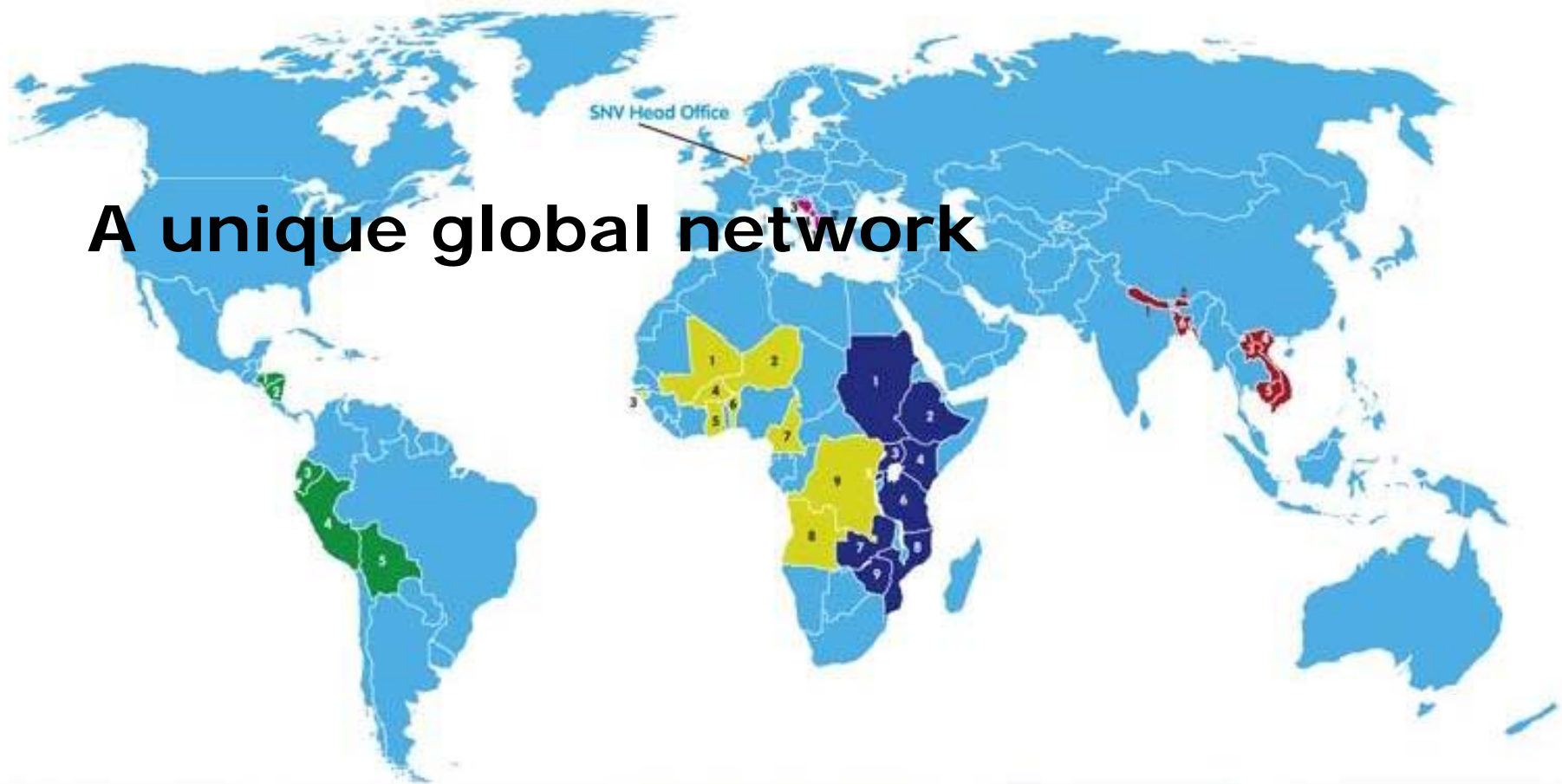


Connecting People's Capacities

SNV

- Netherlands based international development organisation
- Local presence in more than 30 countries employing almost 1,000 advisors worldwide with the Head Office in The Hague, the Netherlands
- Strengthening of local organisations aiming at the generation of production, income and employment opportunities and at improving access to basic services including renewable energy

A unique global network



Latin America

- 1 Honduras
- 2 Nicaragua
- 3 Ecuador
- 4 Peru
- 5 Bolivia

West and Central Africa

- 1 Mali
- 2 Niger
- 3 Guinea Bissau
- 4 Burkina Faso
- 5 Ghana
- 6 Benin
- 7 Cameroon
- 8 Angola
- 9 DR Congo

East and Southern Africa

- 1 Sudan
- 2 Ethiopia
- 3 Uganda
- 4 Kenya
- 5 Rwanda
- 6 Tanzania
- 7 Zambia
- 8 Mozambique
- 9 Zimbabwe

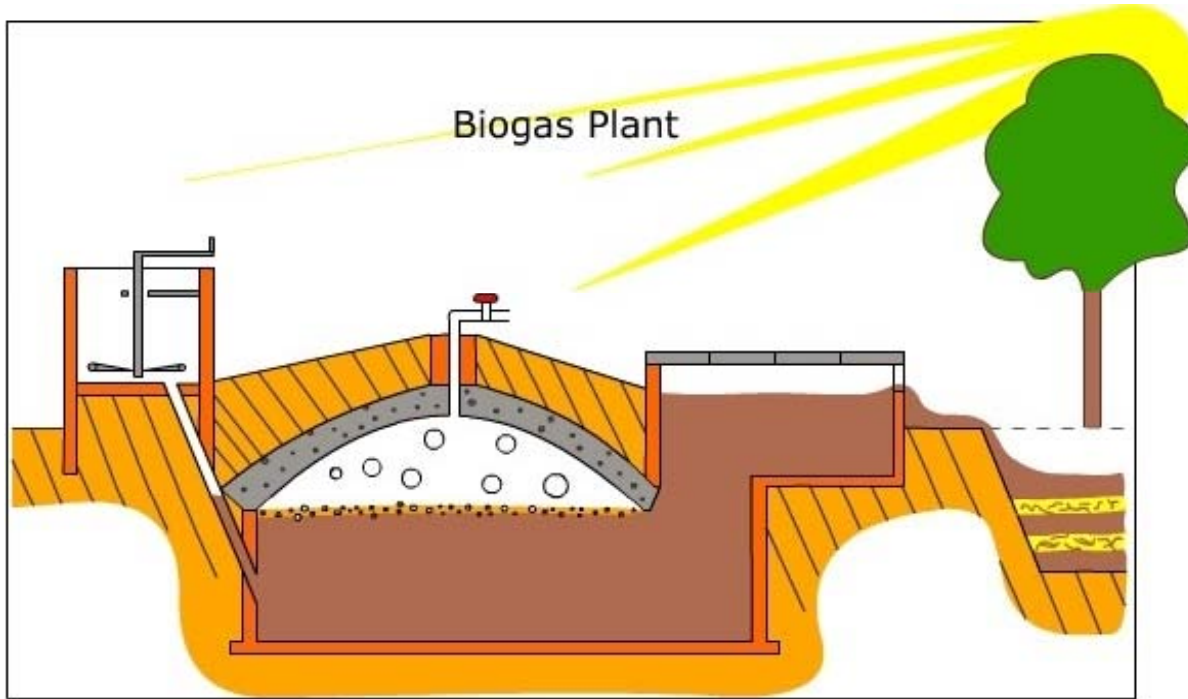
Balkans

- 1 Albania
- 2 Macedonia
- 3 Bosnia Herzegovina
- 4 Montenegro

Asia

- 1 Nepal
- 2 Bhutan
- 3 Lao PDR
- 4 Vietnam
- 5 Cambodia
- 6 Bangladesh

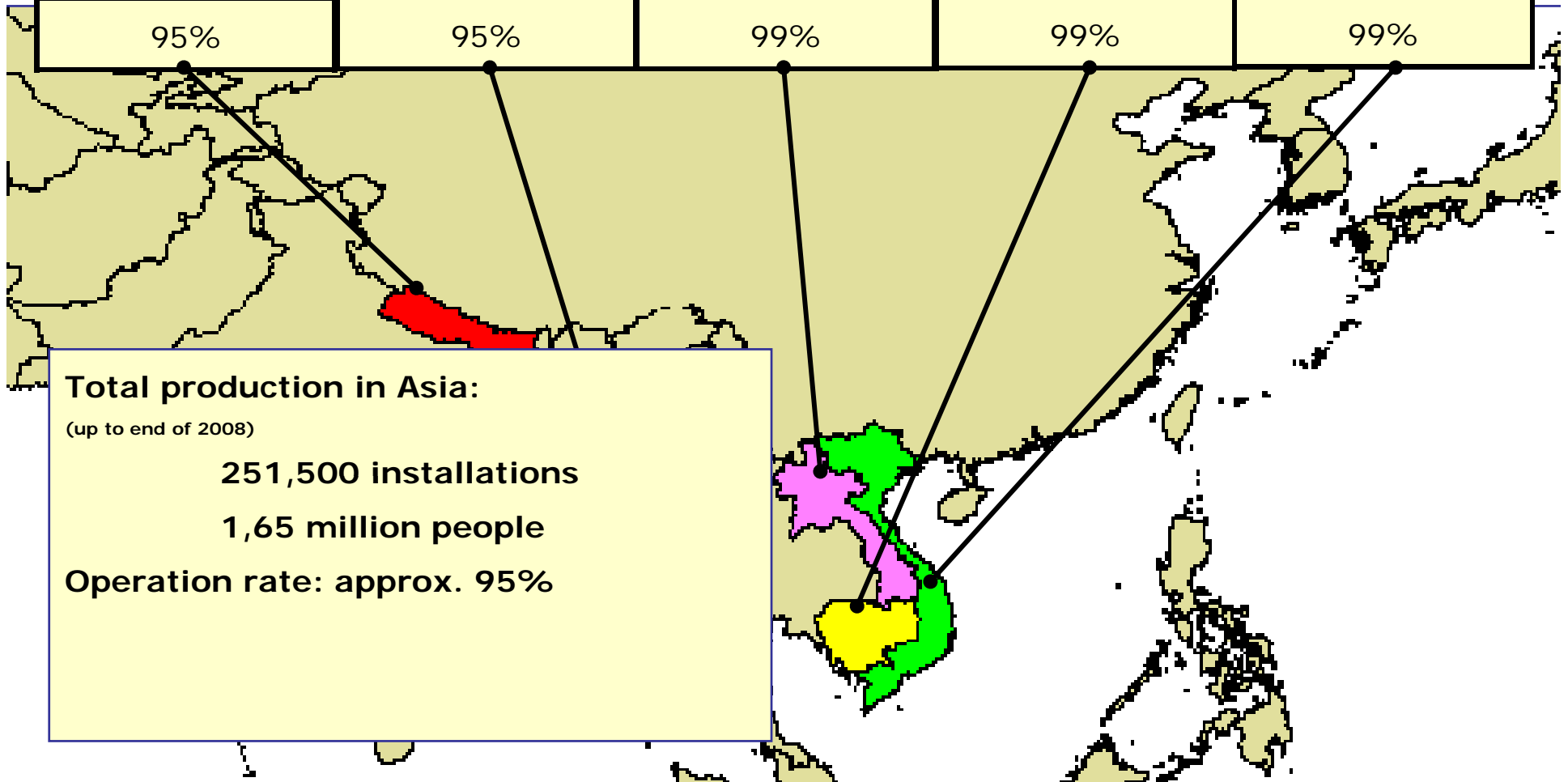
Domestic biogas technology



- Design: fixed dome
- Local materials & resources
- Feeding: livestock manure & human excreta
- Life: > 15 years
- Cost: Euro 200-500 (Asia)
- Gas use: cooking & lighting

Working area for domestic biogas in Asia

<u>Nepal</u>	<u>Bangladesh</u>	<u>Laos</u>	<u>Cambodia</u>	<u>Vietnam</u>
1992	2006	2007	2006	2003
186,300	5,200	300	3,800	56,000
95%	95%	99%	99%	99%



Short-term potential for up-scaling

Asia:

- Current five countries: from 35,000 to 60,000 units per year
- Pakistan and Indonesia (to be) started in 2009

Africa:

- Rwanda (2007); Ethiopia, Tanzania, Uganda, Kenya, Senegal and Burkina Faso to be started in 2009

Energy for All Partnership (E4ALL) - Working Group on Domestic Biogas

Target:

- Innovative dissemination of 1 million quality biogas plants by 2016 in about 15 Asian countries (including PR China and India) providing access to sustainable energy for about 5 million people

Activities, timeline and indicative budgets

SN	Activity	Timeline	Budget (Euro)
1	Feasibility studies	2009/2010	600,000
2	Implementation plans	2010/2011	900,000
3	Establishment basket fund	2010/2011	Included under 4.
4	Implementation	2011/2016	300m as grant; 300m investment by farmers (cash/loan)
5	Networking/innovation/learning	2009/2016	1,200,000

Workgroup set-up

- Partnership Development Group
 - SNV, other international suppliers of technical assistance, ADB, other main investor(s)
- Affiliated members
 - Implementation partners from participating countries (public sector, private sector, service providers)
 - Regional knowledge institutes

Expectations from E4ALL

- Budget support to feasibility studies, implementation plans and meetings of the working group
- Active networking and knowledge exchange against an ambitious innovation agenda (China and India)
- Facilitation of project/programme development
- Facilitation of access to potential sources of funding
- Long-term commitment (up to 2016)

No conversation group, please!

Thank you for your attention!



E4ALL Partnership

SNV

Connecting People's Capacities