# **Opportunity for Practice Change Vietnam**

# Improved Manure Management through increased utilization of manure and bioslurry

Steven von Eije 29-3-2015 Global Methane Forum

**Netherlands** 

Development

Organisation







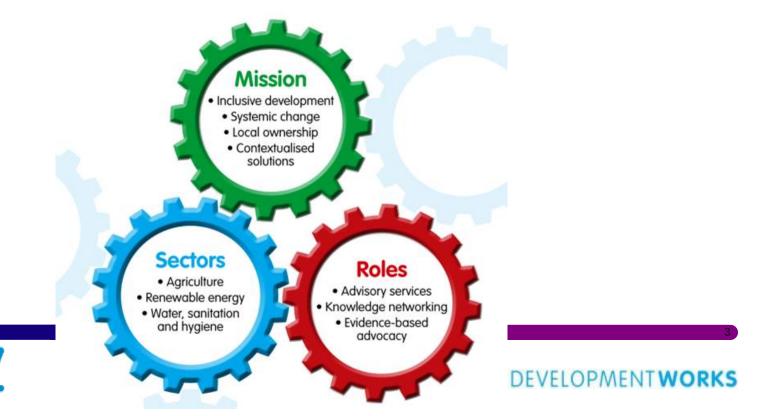
#### **Content**

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- Concrete activities OPC Vietnam
- Evaluation of the project
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#### **About SNV**

- Netherlands based non-profit, international development organisation, with >50 years of on the ground experience.
- Local presence: 1300 professionals in 38 developing countries in Africa,
   Asia and Latin America.
- Making markets work for the poor.
- Over 20 countries in which biogas and bioslurry activities have been implemented, > 700.000 biogas digesters installed



## Biogas programme in Vietnam



### Benefits of domestic biogas







Bioslurry is a potent organic fertilizer

Yet despite training efforts only around 40% effectively uses the bioslurry

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#### Training needs assessment



100 people interviewed about their training needs and barriers to slurry application:

- Lack of knowledge on application
- Time intensive
- Fields are far away
- No crops
- Difficulty of transportation
- Lack of storage tank
- Fear of application
- High dilution ratio (Vietnam specific)
- TNA document:

#### **Training of Trainers**

- Developed based on TNA
- Extensive training document, available in English here:

  https://www.dropbox.com/s/5s0op4qxjmqlun9/Final%20version%20TOT%20training%20material%20document%20in%20English.pdf?dl=0
- 93 government technicians from 5 provinces received training





# Field based schooling



#### **End line study ToT**

- 10 in depth interviews with trainers
- 90% rated knowledge of trainer as very good
- 90% rated interaction as very good
- 80% rated information provided as being of high quality



Nguyen Van
Long: "I have
attended many
ToT trainings
before but this
time I really
learned how to
give optimal field
based schooling"



Tran Truong Tri:
"Before I was
unaware of the
benefits of
bioslurry. Now I
understand the
benefits of
bioslurry and the
environmental
risk of
discharging"



#### Field based schooling

- 14 in depth interviews with farmers
- Training met expectation of 93% of farmers
- All households started to apply the new composting method
- Average score given for the field based schooling 8,9
- Average satisfaction about the trainer 9.4



Tran Thi Minh: "I advise you to encourage more people to come to the training to learn about this topic. The topic is important and local pollution is terrible. I hope you can raise this to the provincial authorities for us"

Ngo Van Do:
"With organic
fertilizer my corn
grows much
bigger. One
corncob weighs
between 700
and 800 grams
now"







#### What is needed to fully accomplish this mission

- Long term intervention
- Creation of demo plots in each district for farmers to show the benefits of bioslurry and composting of fresh manure
- Train the trainers in 58 remaining provinces
- Follow up training for farmers
- Convince the national government to more strictly monitor discharge of bioslurry and fresh manure
- Funding





# Follow up projects - USAID Vietnam Forest Deltas





# **ADB Gender and climate change**





# Private sector development

