## Accepted Manuscript

Current approach to manure management for small-scale Southeast Asian farmers - Using Vietnamese biogas and non-biogas farms as an example

Hynek Roubík, Jana Mazancová, Le Dinh Phung, Jan Banout

PII: S0960-1481(17)30826-1

DOI: 10.1016/j.renene.2017.08.068

Reference: RENE 9166

To appear in: Renewable Energy

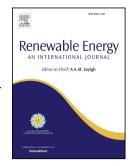
Received Date: 5 October 2016

Revised Date: 19 April 2017

Accepted Date: 23 August 2017

Please cite this article as: Roubík H, Mazancová J, Phung LD, Banout J, Current approach to manure management for small-scale Southeast Asian farmers - Using Vietnamese biogas and non-biogas farms as an example, *Renewable Energy* (2017), doi: 10.1016/j.renene.2017.08.068.

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



## ACCEPTED MANUSCRIPT

- 1 Current approach to manure management for small-scale Southeast Asian farmers -
- 2 Using Vietnamese biogas and non-biogas farms as an example
- 3 Hynek Roubík<sup>1</sup>, Jana Mazancová<sup>1\*</sup>, Le Dinh Phung<sup>2</sup>, Jan Banout<sup>1</sup>
- 4
- 5 <sup>1</sup>Department of Sustainable Technologies, Faculty of Tropical AgriSciences, Czech University of Life Sciences
- 6 Prague, Czech Republic
- 7 <sup>2</sup>*Hue University of Agriculture and Forestry, Hue University, 102 Phung Hung, Hue city, Thua Thien Hue,*
- 8 Vietnam
- 9
- 10 \* Email: \*mazan@ftz.czu.cz; Phone: +420 22438 2508
- 11 *Corresponding address:*
- 12 Czech University of Life Sciences Prague,
- 13 Kamýcká 129, 165 21 Prague 6 Suchdol,
- 14 Czech Republic
- 15
- 16

## 17 HIGHLIGHTS

- The management of digestate is a fundamental issue and requires an immediate
  solution.
- Excessive water use for washing pigpens was reported for both types of farms.
- The biogas potential was calculated as being two times higher than actual biogas
  generation.
- The information on and the management of digestate were recognized as
  unsatisfactory.

25

Download English Version:

## https://daneshyari.com/en/article/6765225

Download Persian Version:

https://daneshyari.com/article/6765225

Daneshyari.com