

Viet Nam Replication Strategy

Replication Strategy

- The strategy include introduction part and 4 chapters:
 - Introduction
 - Chapter I: Livestock waste and impacts to environment
 - Chapter II: Overview of Livestock waste treatment technology
 - Chapter III: Viewpoints, Objectives and Options
 - Chapter IV: Implementation Arrangement
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1. Introduction

- Livestock breeding and livestock waste in Viet Nam
 - The need of replication strategy
 - Issue scoping (swine production) and strategy scoping (biogas technology)
 - Structure and main contents of the strategy
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Chapter I: Livestock waste and impacts to environment

1. Livestock breeding in Viet Nam
 - Livestock breeding situation
 - Livestock waste
 - Livestock waste treatment technology
 2. Impact of livestock waste to environment and human health
 - Sources, level of impacts and main causes
 - Impact to environmental quality
 - Impact to human health
 - Current solutions applied to reduce environmental impact
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Chapter I: Livestock waste and impacts to environment

3. Trend in livestock breeding and demand of livestock waste treatment in Viet Nam

- Number, distribution and size of breeding facilities to 2020
 - Generated waste, environmental and health issues from livestock waste
 - Livestock waste treatment technology, especially biogas technology
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Chapter II: Overview of Livestock waste treatment technology

1. Livestock Waste treatment technology in Viet Nam

- Livestock waste treatment technology in Viet Nam (*current situations, advantages, disadvantages*)
- Biogas technology in Viet Nam (*current situations, advantages, disadvantages*)

2. International Experiences

- Experiences in livestock waste treatment technology
 - Experiences in biogas technology
 - Lesson Learnt for Viet Nam
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Chapter II: Overview of Livestock waste treatment technology

3. Selection and demonstration of livestock waste treatment technology of LWMEA project
 - Origin of demonstration technology
 - Characteristics, advantages and disadvantages of selected technology
 - Description on demonstration technology
 4. Challenges in application of livestock waste treatment technology
 - Legislation
 - Tools, supported policies
 - Market for biogas
 - Technical supports, level of access and application of technology
 - Investment
 - Awareness
 - Other challenges
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Chapter III: Viewpoints, Objectives and Options

1. Viewpoints
 2. Objectives
 3. Options
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1. Viewpoints

- Environmental Protection should be in line with livestock breeding
 - Market for biogas production should be promoted to foster the application of biogas technology for livestock waste treatment
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2. Objectives

- Promote the application of livestock demonstration technology in Viet Nam
 - Create legal framework and supported tools for replication of livestock waste treatment technology
 - Facilitate the enable environment for dissemination of livestock waste treatment technology
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3. Options

- Development, promulgation and implementation of environmental regulation in livestock breeding
 - Development and application of economic tools
 - Development of environment friendly livestock breeding model
 - Development of Biogas network
 - Impulse of market for biogas
 - Development incentive policies
 - Resources
 - Promotion, dissemination of livestock treatment technology
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Chapter IV: Implementation Arrangement

- Roadmap
 - Responsibilities
 - Monitoring and Evaluation
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Plan for implementation

- Draft replication strategy: December 2007
 - Consultation Workshop for the strategy: February 2008
 - Final strategy: April 2008
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Thank you for your
attention
