

Inaugural Meeting of the Regional 3R (Reduce, Reuse, Recycle) Forum in Asia

3R Knowledge Hub – An Application in Health Sector Development Initiatives

Presentation by

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11 November 2009

ADB

3R Knowledge Hub

- A joint initiative of Government of Japan and ADB in partnership with UNEP and AIT
- Objective to provide one stop guidance and updated information for 3R applications in waste management
- Runs a website that received over 75,000 hits during two years of operations

3R Knowledge Hub – www.3rkh.net

- Provides information on
 - Experts on 3R and in waste management
 - Good industry practices in 3R
 - Case studies – success stories as well as challenges faced
 - Specific projects and 3R initiatives in DMCs
 - Status of SWM and HCWM in select countries in Asia-Pacific regions
 - Manuals, guidelines and policy briefs on 3R

Status Report on HCWM

- Included 12 countries in south-east and east Asia
 - Cambodia, China, Indonesia, Japan, Lao PDR, Malaysia, Myanmar, Philippines, Singapore, Thailand and Vietnam
- Presented the status of waste generation, segregation and storage, transfer, treatment and disposal
- Reviews institutional setup and regulatory framework

Status Report on HCWM

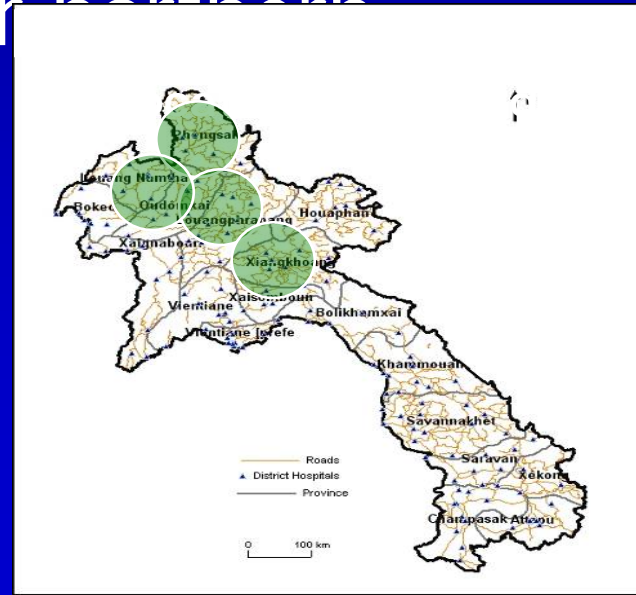
- Identified main constraints in HSWM as
 - Weak regulatory framework
 - Inadequate financial resources
 - Private sector participation
 - Centralized treatment for a cluster of facilities
 - Gaps in knowledge and technology

Way Forward in HCWM for DMCs

- Strategy 2020 of ADB lays significant emphasis on improving access to poor to basic health infrastructure
- Health Sector investments are also a priority to improve quality of life
- 50% of ADB investments are expected to be through private sector by 2020
- There is a window of opportunity to develop and implement HCWM at regional scale

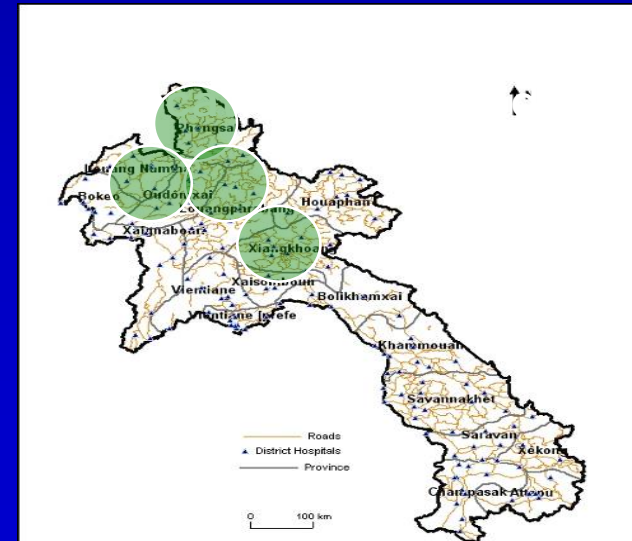
Lao PDR a Model Example in the making

- ADB, the World Bank and Luxemburg Development are financing a major Health-Sector Development Program in Lao PDR
- ADB component covers four northern provinces and includes
 - Program grant of \$ 10 Mn
 - Project grant of \$ 10 Mn



Lao PDR Health Sector Development Program

- ADB program component includes
 - Strengthened planning and financing
 - Increased access to MNCH care
 - Improved quality of HRH
- ADB project component covers
 - Improved health facilities in
 - 4 district hospitals and
 - 20 health centers



Integrating HCWM with H-SDP in Lao PDR

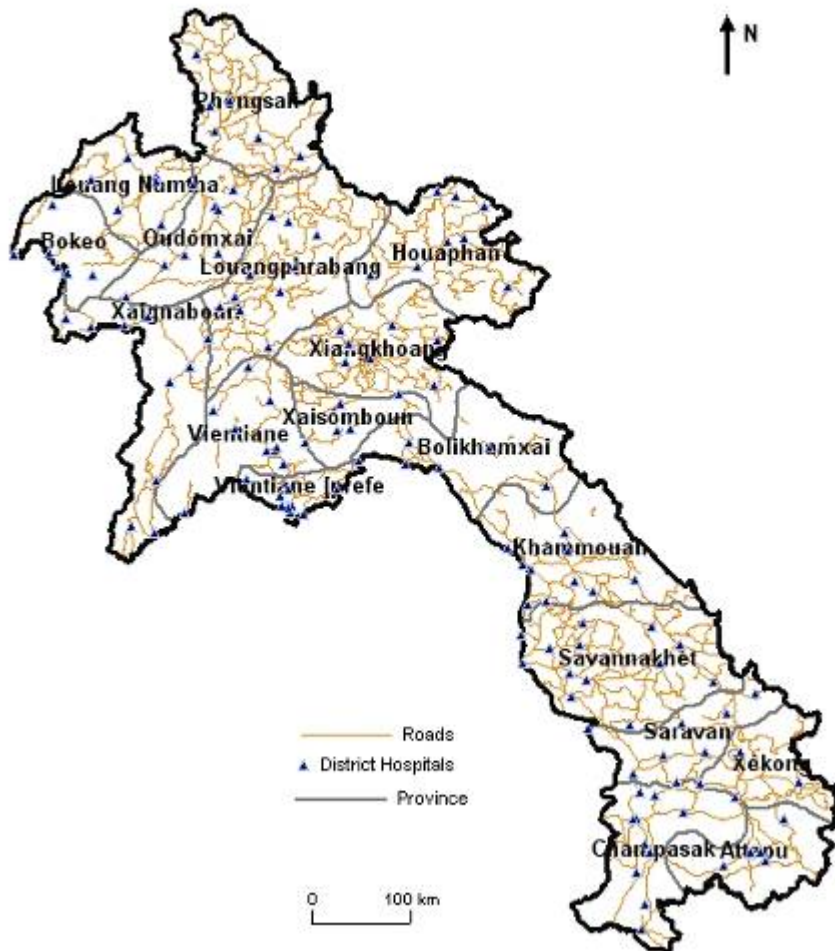
- IEE for H-SDP identifies scientific management of HCW as most important safeguards issue
- The finding of healthcare waste management status report under 3R initiative identifies major gaps in HCWM
- H-SDP provides an opportunity to develop a nationwide strategy for HCWM using 3R principles

Approach to HCWM in Lao PDR

- Strengthening of HCW handling guidelines for segregation and storage
- Identification of geographical areas that can be covered by centralized facilities based on access and generation of HCW
- Identification of technological options for centralized as well as distributed HCWM facilities; including cost estimates
- Implementation of a few model facilities as part of H-SDP

Some Initial steps...

Major hospital location and road



Roads network in Laos

Location of Healthcare Facilities ●

Location of Major Hospitals ▲

Healthcare Facilities map overlaid on Roads

Major Hospitals map overlaid on Roads

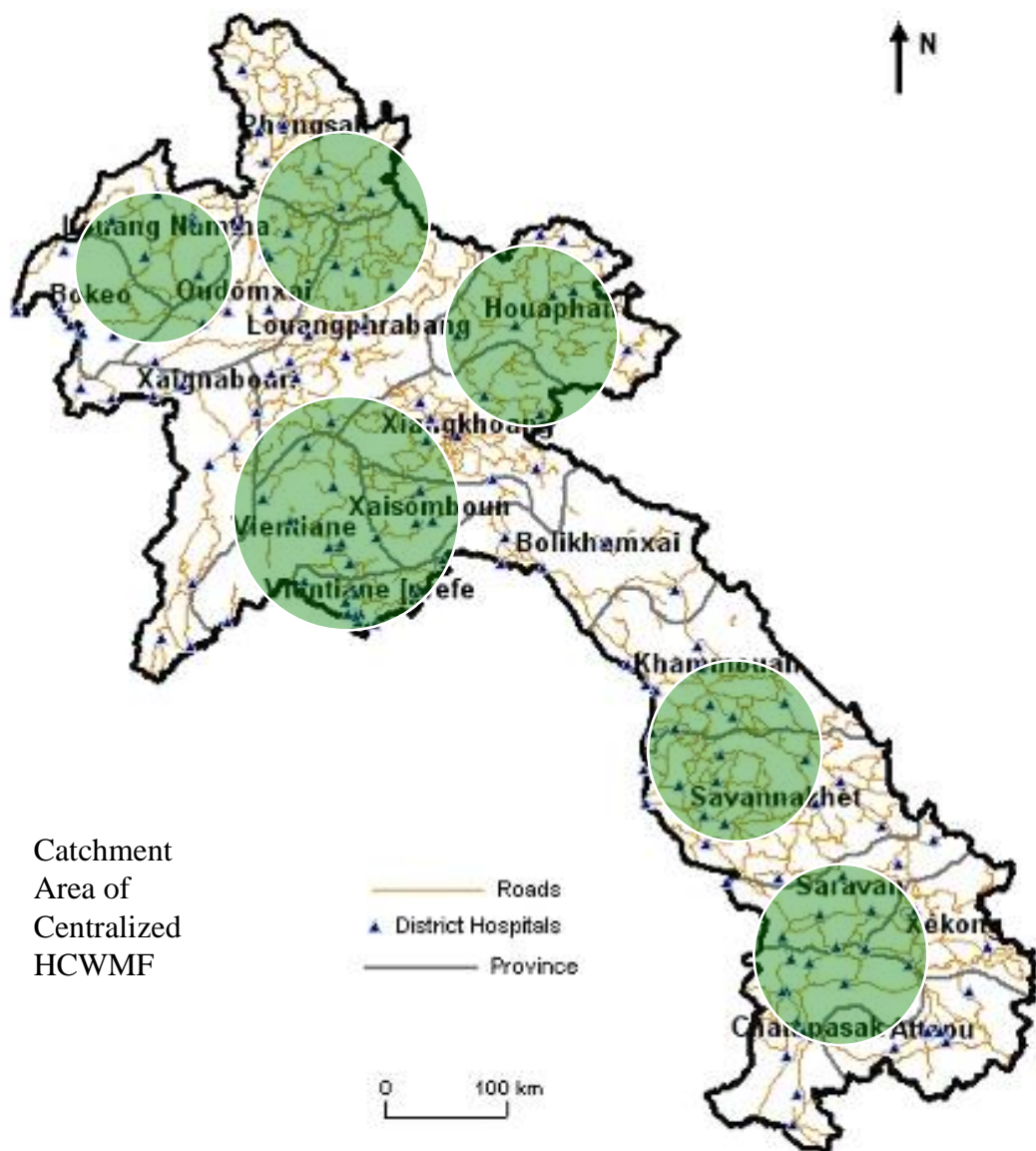
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Only for illustration

Area of Coverage of Centralized Facilities

- Size of catchments
- Quantum of waste
- Opportunities to recycle materials
- Safe disposal
- Plan for decentralized facilities

**DEVELOP A
KNOWLEDGE
TOOL TO
PROVIDE 3R
SUPPORT IN
HCWM**



For More Information

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The logo for the Asian Development Bank (ADB), consisting of the letters "ADB" in a white serif font centered within a dark blue square.

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