

# **JICA Projects on Capacity Development of Water Utilities -Lessons Learned-**

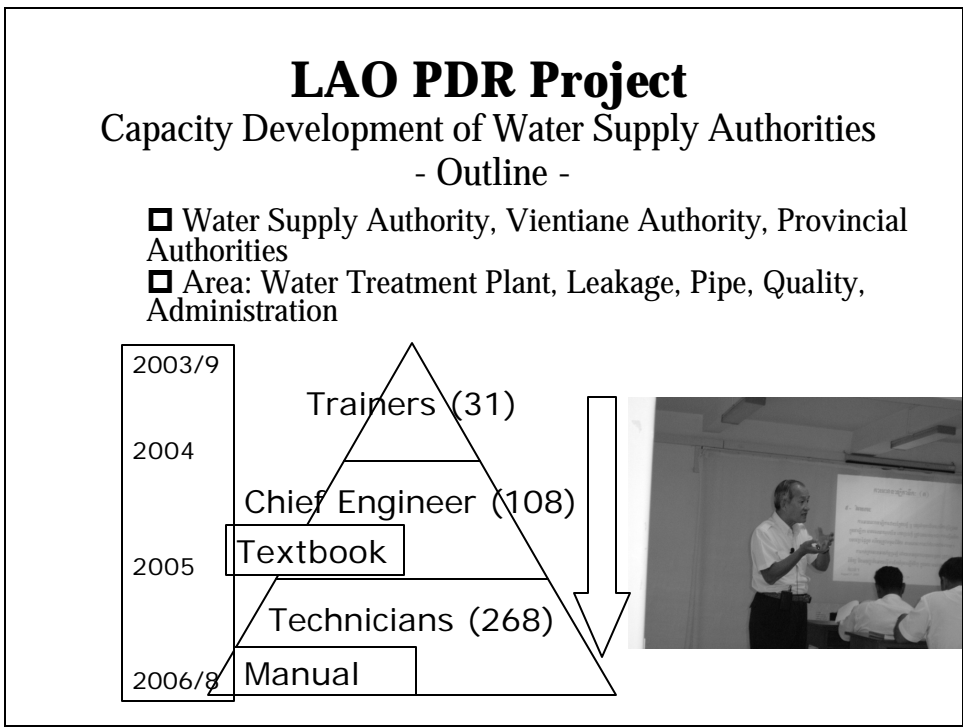
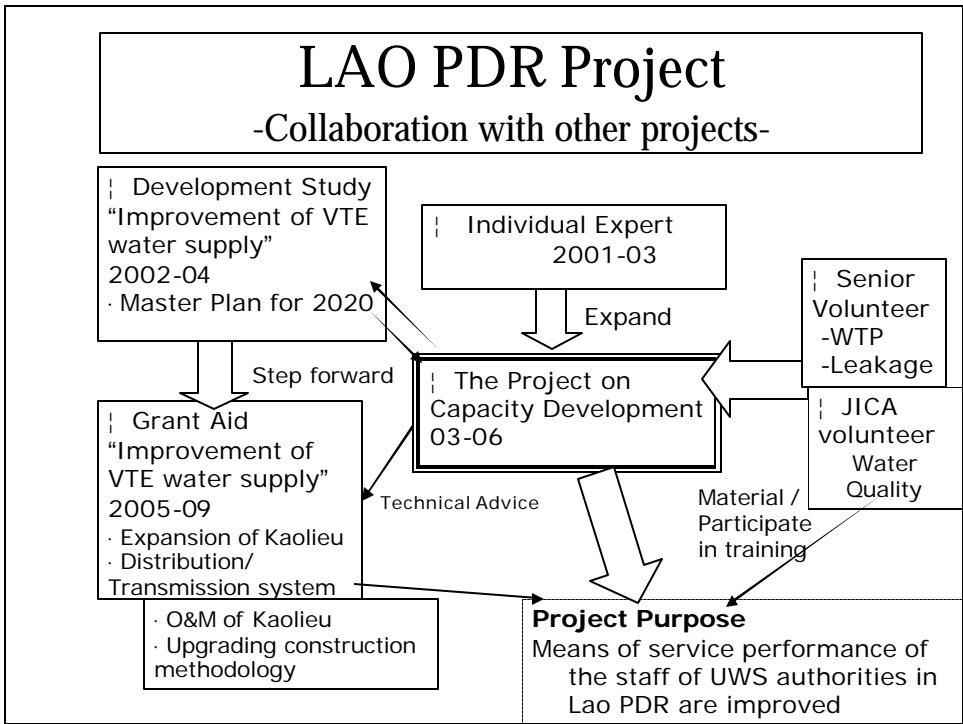
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Japan International Cooperation Agency

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Performance of Water Utilities in the Asia and Pacific Region  
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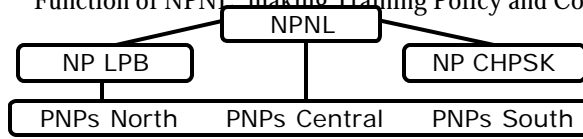


# LAO PDR Project

## -Training mechanism-

### ❑ Fitting to field conditions

- ✓ Principle: Training at 3 core site: center and two sub-centers
- ✓ Training within Province and inviting neighboring provinces
- ✓ Utilizing and upgrading chief engineers as trainers
- ✓ Emphasized training target: new branch staff and utilities in Small provinces
- ✓ Function of NPNI: making Training Policy and Coordination



### ❑ Training at training center in Thailand

- ✓ Similarity of Language
- ✓ Curriculum based on discussion with the Project
- ✓ “Waterworks Training Project in Thailand” 1985-99
- ✓ Thai Experts (3). Training in Thai(10 courses)

# LAO PDR Project

## -Textbook-

- ✓ Selected best example from JICA’s past project
- ✓ Edited in Lao and English
- ✓ Technical reference for training materials
- ✓ technical reference for engineers
- ✓ Training for chief engineers
- ✓ Training at Central Training Center
- ✓ Dissemination of textbook as a standard material
- ✓ Periodical revision
- ✓ Combination with Phrasebook (English terms and Technical terms)



# LAO PDR Project

-manual

- ✓ Fit the actual work procedure
- ✓ Edited jointly by Japanese experts and Lao C/Ps
- ✓ For daily work of technicians
- ✓ Technical reference and reporting forms
- ✓ Includes many photos and figures
- ✓ Directly deliver to technicians
- ✓ periodical revision

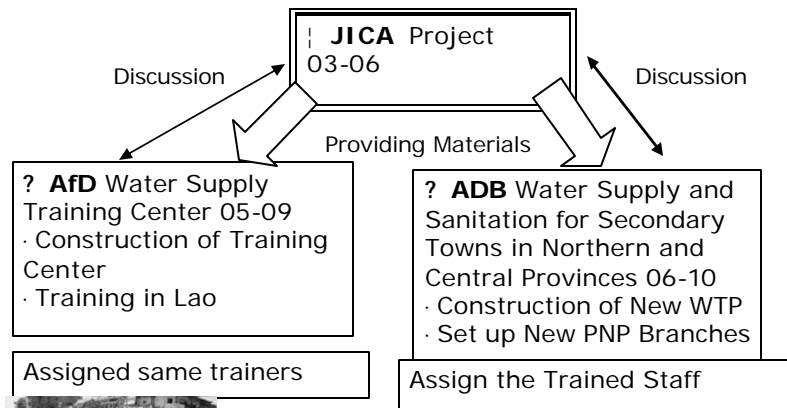
- Trainer (from 3 core training site)
  - technology and presentation skill

- Technicians
  - Improvement of Operation and Maintenance Skill
  - Report quality of WASA



# LAO PDR Project

-Collaboration with other development partners-



# Cambodia Project

- Capacity Building for Water Supply System -

## □ Purpose

1. Improvement of capacity to operate and maintain w/s facilities in PPWSA
2. Improvement of staff training system for water supply

## □ Period: Three years(2003-2006)

## □ Experts: 3 long-term and 20 short-term for

- ✓ Water treatment process,
- ✓ Electrical facility maintenance,
- ✓ Water quality control ,
- ✓ Distribution pipe maintenance,
- ✓ Training plan

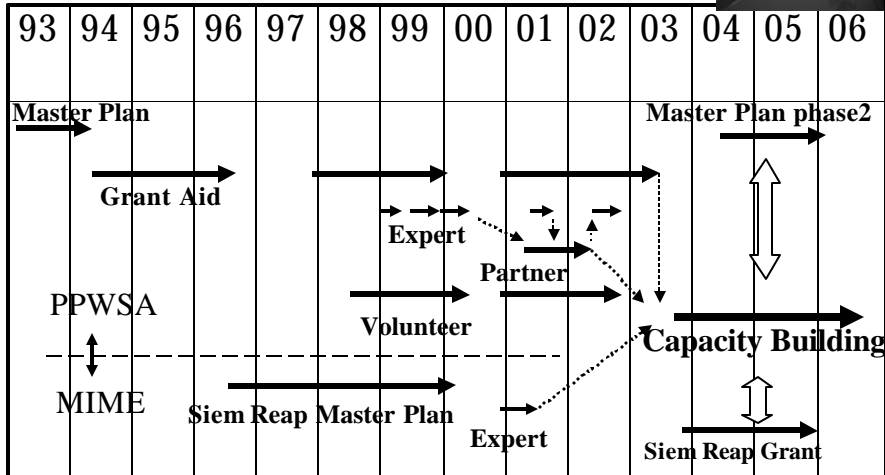
## □ Training in Japan : 30 trainees

## □ Training in NWTTI: 10 trainees



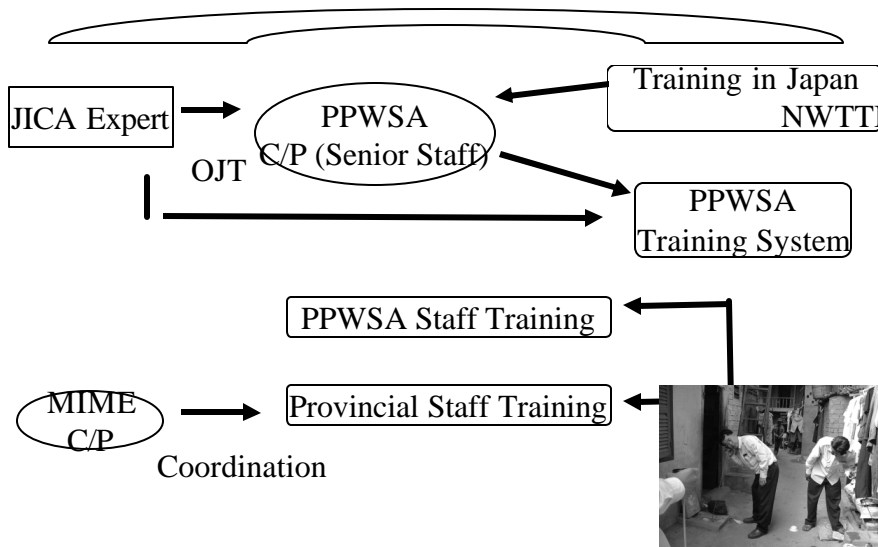
# Cambodia Project

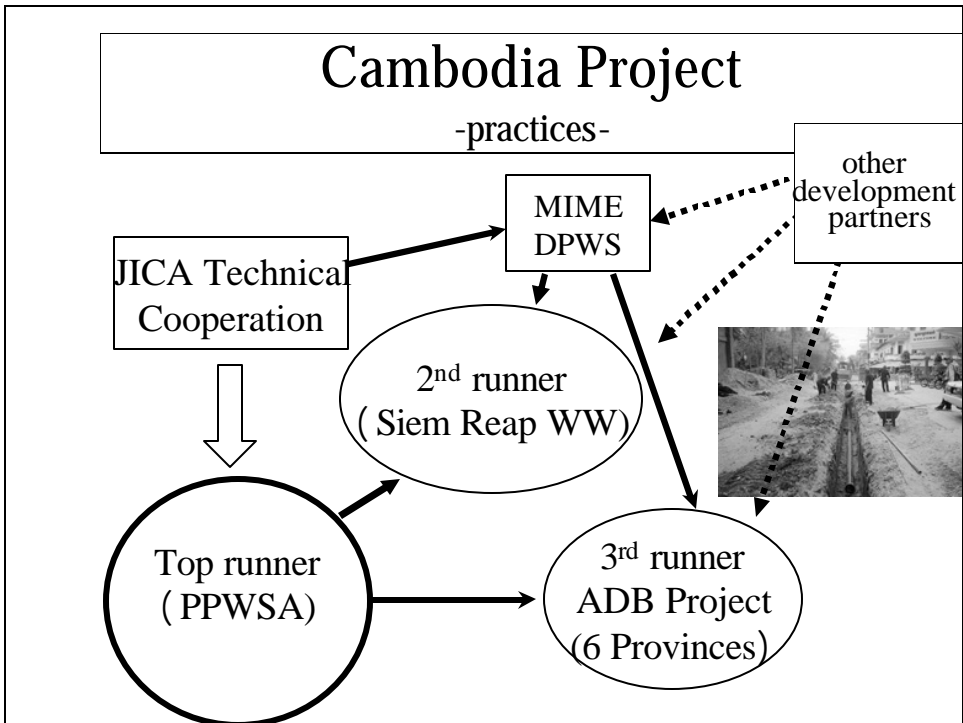
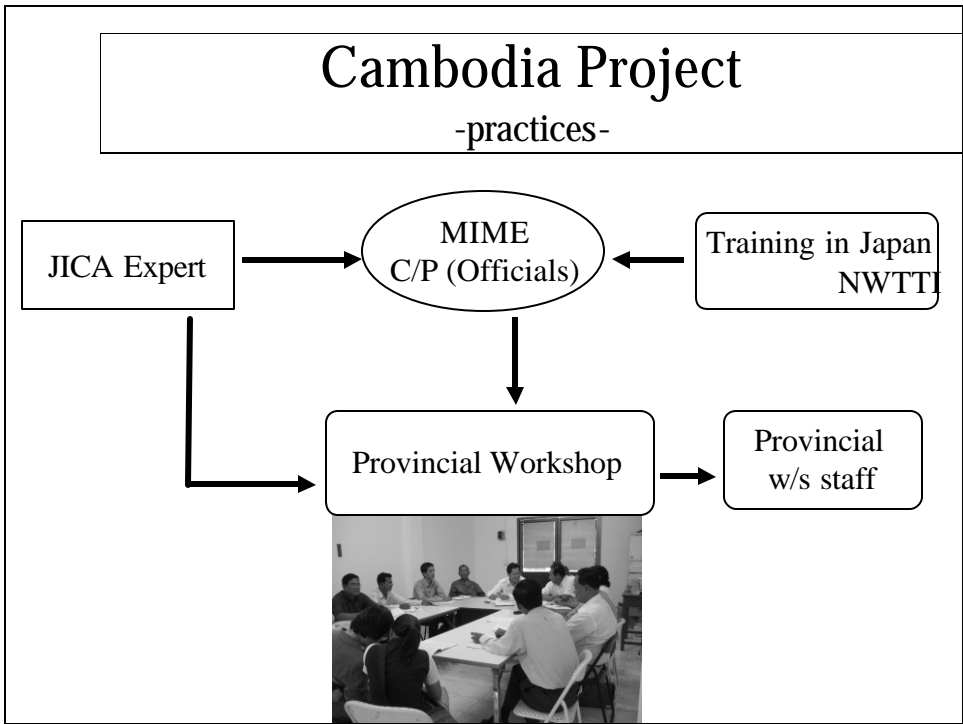
- Japanese Cooperation 1993-2006



# Cambodia Project

-approach-





# Lessons Learned

## I. Collaboration

- between JICA specialists and volunteers
- with grant aid project
- with other partners
- with regional center

## II. Localism

- local resources: training trainers
- on-the-job
- material to fit actual work

## III. Commitment for long term



# Contribution to Water Operators Partnership

A practice:

- ✓ Training at regional center
- ✓ Dispatching expert from regional center

We can share

- ✓ our lessons learned and experiences
- ✓ training materials: textbook, manual projects





Thank you

