



# Medan, Indonesia



Promoting Innovations in Wastewater Management

**Making Sanitation a Sustainable Business**

29–31 January 2012 • ADB HQ, Manila, Philippines



- Wastewater Coverage: Management services and facilities

2,5 % Area (existing)

3,3 % of Population (existing)

- Goals and targets

6,7% Area (cumulative)

8 % of Population (cumulative)

- Investment(s) Needed to Meet Goals

Phase I Improvement needs US \$ 10 Million, since it needs repair

Phase II Development needs US \$ 35 Million, since not included in MSMHP program



- Existing Wastewater Policy

- Household and Industrial Discharge Limits: not yet available
- Monitoring: not yet available
- Enforcement: not yet available

- Existing Plans

- Master Plan consist of 3 Phases, Part of Phase I under DED (USAID's budget), Part of Phase II under construction MSMHP Program (loan ADB)
- Phese II need Secondary Sewer and Sewage Treatment Plant Development Program.
- Master plan is adequately address the goal
- There are not recomemmendations in the master plan funded



# Focus Areas: WHAT ARE THE BARRIERS?

- **Enabling Environment**

- Institutional arrangements: organization not accommodated the job description as stated
- Policies and budget: still not adequate yet
- Regulations: need increasement of status from Meyers Decision Letter to Municipality Regulation
- Coordination among agencies: needs increasement

- **Social Issues**

- Cultural: the community still not realize the dangerous of contamination
- Public awareness: lack of interest
- Education: good, stakeholder: municipal government support is very good
- Community involvement: poor

- **Technology**

- Needs Jacking Pipe Technology since most of the activity is located in the city centre

- **Financing**, To meet full cost recovery, still needs a long process



- Improve enabling environment : is very significant
- Increase enforcement and/or incentives: is not so significant
- Remedy social issues: water born disease i.e. Diarrhea epidemic still high
- Address technology and capacity development: reliability of Operation and Maintenance
- Address financial aspects: Full Cost Recovery
- Private sector involvement – PPP needs: is needed but still not yet available
- Needs for ADB and other donor support: ongoing and planned, is highly needed



- The city of Medan is so left behind in sanitation especially sewerage system
- It needs a speedy increasement in wastewater service coverage
- In order to meet the above points it needs:
  - Community involvements, Municipality Regulation and Continuous increasement of coordination among agencies
  - Financial support from the goverment (central,provincial and municipality) is highly needed
  - Strong institutional arrangement is needed

