

Technical Workshop on Household Water Security - Management Practices: Interactions of Technologies, Financing, Investment

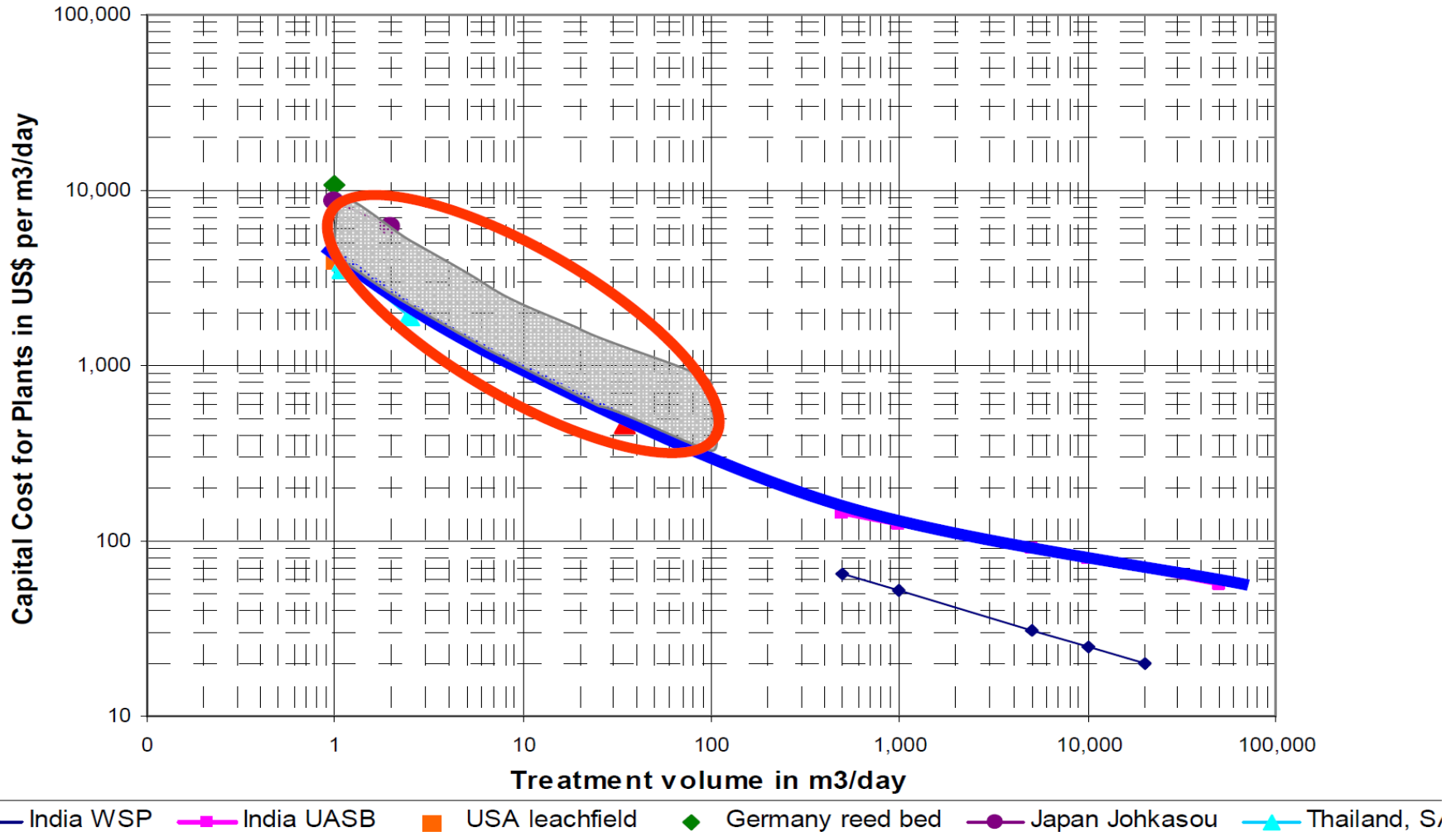
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HWS: Evolution of Management Practices, Technologies & Investment

- Great advance in water supply and sanitation technologies during the last few decades
- Increase of awareness since adoption of MDGs has helped promote investment in water supply and sanitation and enhance diversification of financing sources
- Increased trends of decentralization of water resources management prevailed in many countries in Asia-Pacific
- Experiences of good practices pointed to the importance of wastewater revolution in Asia-Pacific, which now calls for leadership and commitment

Costs of Wastewater Treatment

Capital Cost for Treatment Plants per Unit of Treatment (without cost for land)



Source: Felix Seebacher, ESCAP, 2010

Impacts of New Management Practices of Sanitation and Wastewater Treatment

- Recent achievements in technologies and technical know-how make wastewater revolution possible
- Latest technological developments open a new avenue for change
- New technical know-how brings socio-economic outcomes closer to policy and decision makers
- Successful rehabilitation cases integrated environmental outcomes into socio-economic development

Examples of Modern Rehabilitation



- Recreation
- Children playgrounds
- Bicycle path
- Skater park
- Sports facilities
- Climbing Park
- Water park
- Food vendors (snacks, drinks, ice cream, etc.)
- Educational facilities
- Equipment rental
- Fishing

Challenges in Viet Nam towards Universal Access to All

- Climate change and increasing occurrence of water-related disasters are expected to have high impacts on the reliability of water supply, especially in rural and mountainous areas
- Salt water intrusion is expected to have significant impacts on the water supply sources in the coastal and deltaic areas due to high level of developments and impacts of climate change
- Different models of water supply management may have to be researched and investigated to help cope with increasing impacts of climate change
- Resources mobilization and various modalities of investment would be desired especially for rural and mountainous areas in order to help achieve universal access to water and sanitation to all
- Promotion of demand management is necessary to enhance efficiency of water supply systems and effectiveness of investment

Thank you



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