

Introduction

The SWITCH programme proposes to establish a multidisciplinary learning alliance from the technological to economic groups. The current research emphasizes on financial and economic analysis in the urban water cycle.



Beijing(Asia) Accra(Africa) Hamburg (Europe)

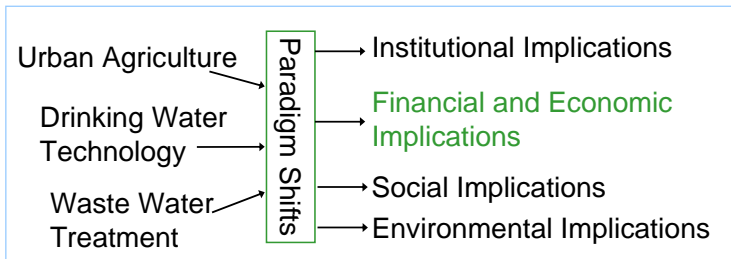


Figure 1 SWITCH programme

Three demo cities are selected currently from developing to developed areas: Beijing, Accra, and Hamburg. The comparative analysis between demo cities would be employed in the research. It could help to develop more appropriate solutions.

Analytical Framework

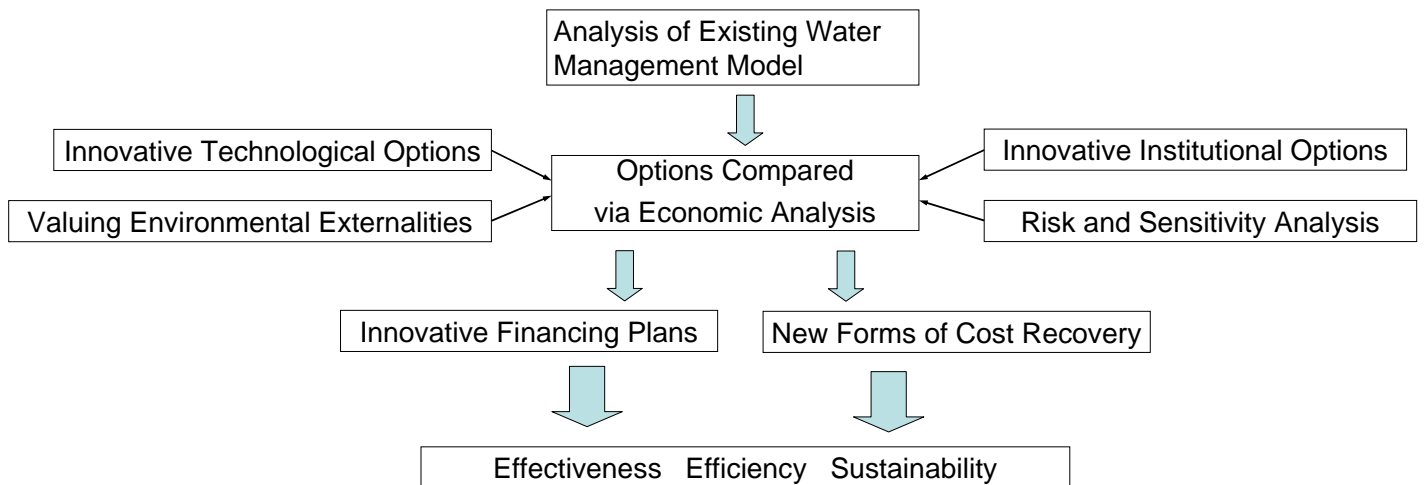


Figure 2 Analytical framework

In terms of different technological and institutional options, innovative financing and cost recovery approaches could be developed in the research. Achieving effectiveness, efficiency and sustainability is the objective.

Future Work Planning

Beijing is the first demo city for analysis :

- 1 Data collection: financial and economic data, technological data and environmental data.
- 2 Possible Projects to be evaluated: Urban agriculture and Managed wetlands; Soil aquifer treatment and River bank filtration; Decentralized waste water treatment.
- 3 Institutional considerations: Municipal departments → Incorporated company, Public private partnership, Community management and NGOs involvement.