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Sustainable Cities A pipe dream or realistic future?

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Our 19th century approaches have not worked well in many LDC's



~780 million without access to improved water

Linear, energy intensive, single quality, use once and throw away systems

'All or nothing proposition'
Unaffordable to 2/3 of the planet

~2.5 Billion without access to improved sanitationd



Global change pressures will make things even more difficult













Window of opportunity is small

Shenzhen

1980



Fishing village of several thousand

Today



City of 7 million — big in electronic manufacturing

Context of the workshop

Choices before us

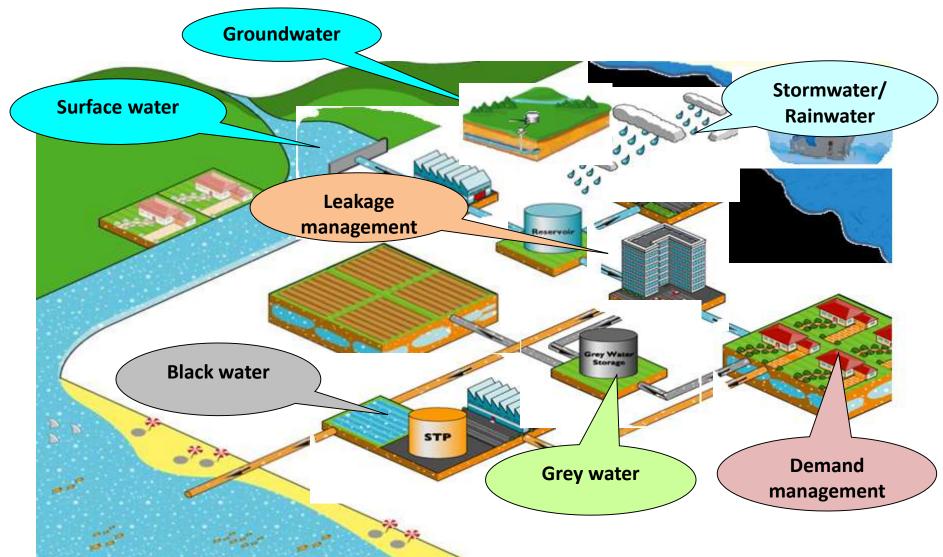




major change in perspective

productive use of water

We need to have a systems perspective of the water cycle

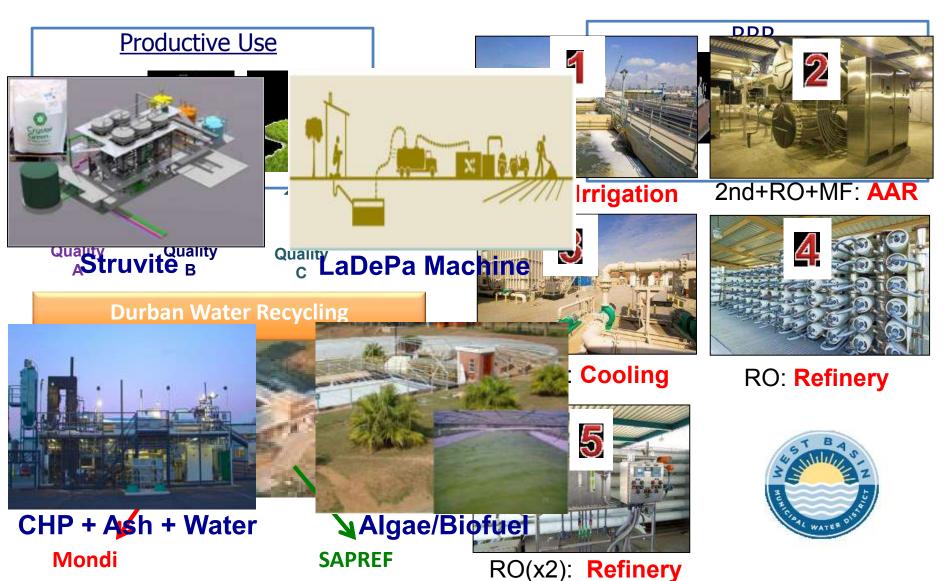




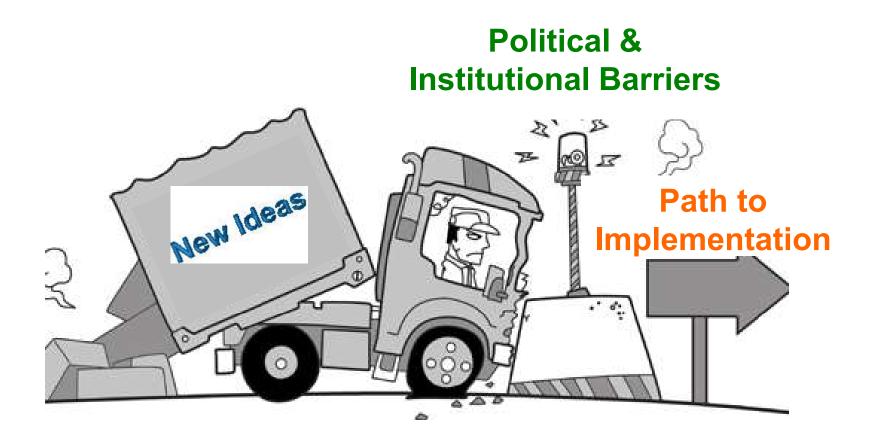
major change in perspective

waste as a resource

Changing our perspective creates opportunity to do things differently

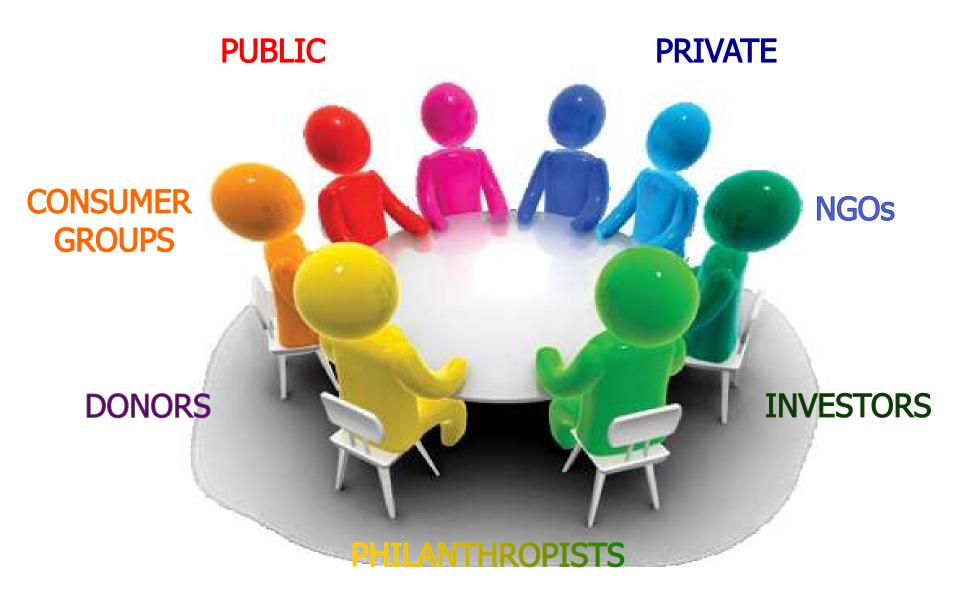


Need to recognize that main challenges are political and institutional in nature



Need collaboration, cooperation, and coordination between institutions

Need a diverse stakeholder platform





Thank You

Kalanithy Vairavamoorthy