Smart Water in Developing Countries

First things first or leap-frogging?
Smart Water

Derived from electricity smart grids

Optimizing water management through
- increased monitoring
- interlinked data analysis
- data driven operation
3.
4.
Smart Water in Developing Countries

First things first or leap-frogging?
Smart Water in Developing Countries

Mobile Communications Revolution
- smartphone based meter reading
- SMS based billing
- mobile payments (M-Pesa)
- mobile survey apps
- water leak reporting apps

Owen (2018)
Smart Water in Developing Countries

First things first or leap-frogging?
Leap frogging

We have sufficient technology to start implementing smart water in developing countries

- Mobile Payments
- Water and Sanitation Apps
- Donor projects allow for innovative approaches
- Smart Meters as next leap frog?
Smart Water in Developing Countries

First things first or leap-frogging?
First things first

Water supply is not rocket science; it's just hard work

- The water sector is risk averse
- Developing countries may lack conditions
- Challenges are with management rather than technology
- Traditional approaches provide good results
Smart Water in Developing Countries

First things first or leap-frogging?
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Thank you for your attention!

Literature: