

Supply chains and Operation and maintenance (O&M) in Amhara region of Ethiopia

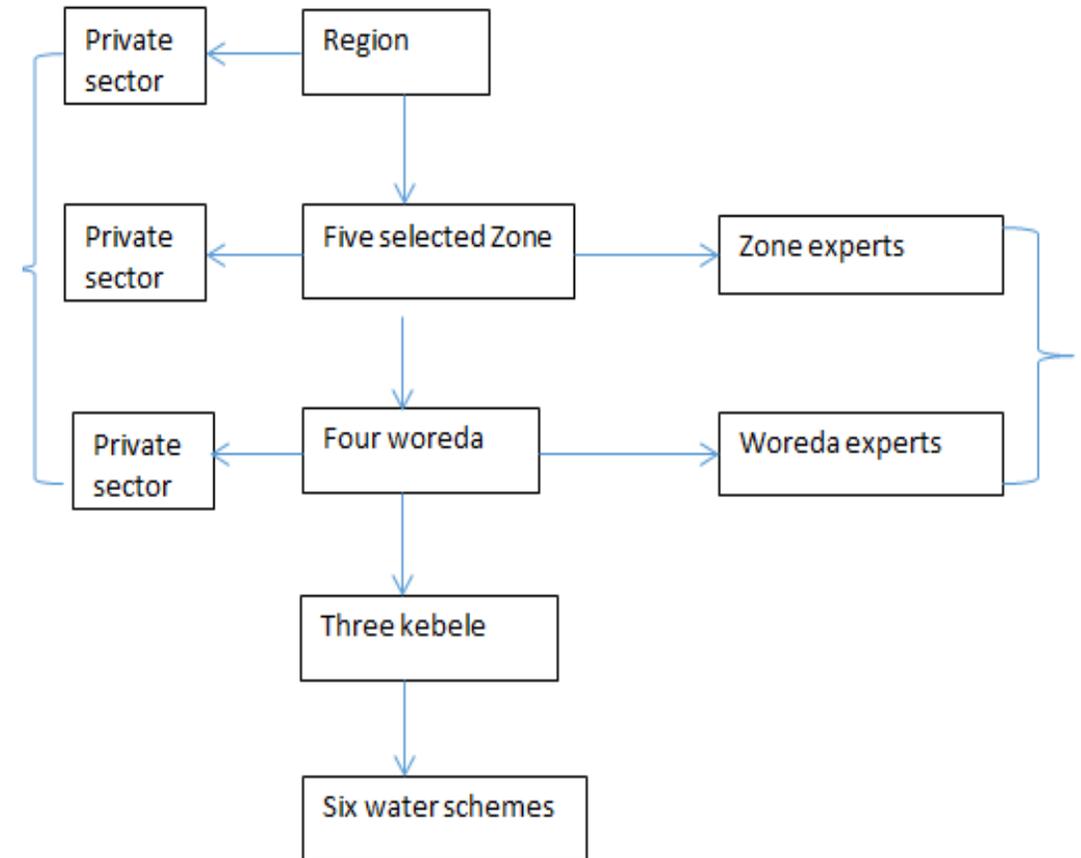
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- **Many improved and community-managed water supply schemes in Amhara fail to provide services as designed.**
- **Major problems**
 - **weak spare parts supply chain**
 - **poor operation and maintenance practices**

Data used

- **Demand of spare parts**
- **Supply chain systems on spare parts**
- **Poor operation and maintenance management systems**



Results



- 40% of the water schemes have trained caretaker to undertake operation and maintenance.
- However, only 10% conducted both preventive and corrective maintenance.
- There is a poorly organized spare parts supply chain in the region.
- Limited number of private sector suppliers near to capital city.

- Very low demand from communities for spare parts
- Shortages of trained caretakers,
- High inflation rate of money,
- Absence of spare parts in their locality,
- Poor quality of spare parts and consumer knowledge on water resources management

Recommendation



- Balance between participation during project implementation and cash contribution
- Simple handouts with simple information on technological and management
- Pricing guidelines should be prepared,
- Encourage private sectors to involve in supplying spare parts in order to create stronger incentives for sustainability