Scheme typology

System type	Description	Water service depending on
1. **Reservoir**	Storage of water from runoff or stream and distribution according to needs	- Storage capacity and renewal - Level of distribution channels and control structures - Drainage system
2. **Diversion weir**	A dam or a weir across a river bed allows to divert its water to distribution channels (no or low storage capacity)	- Stream water level variation - Level of distribution channels and control structures - Drainage system
3. **Flood recession reservoir**	Reservoirs in the flood plains of Mekong and Tonle Sap, filled during flood and irrigating during recession period	- Storage capacity
4. **Colmatage canal / *Prek***	Canal through a river embankment for spreading flood to the fields	- Flood variations (except if associated with pumping system) - Level of distribution channels and control structures
5. **Runoff control dam**	Dam to prevent excessive drainage in the upstream area	- Runoff variation - Upstream fields height / slope
6. **Flood protection dam**	Dam along a stream to prevent floods	- Flood variation
7. **Drainage canal**	Canal for increasing lowland drainage capacity	- Runoff and flood variation
8. **Polder**	Dam and drain system for avoiding seawater intrusions and managing water level inside polders	- Drainage capacity
9. **Pumping system**	Pumping stations Mobile pumps	- Water source renewal - Mobility - Capacity and consumption - Fuel cost
10. **Micro-irrigation**	Hand pumping Drop systems Traditional buckets and noria	- Water source renewal - Investment intensive - Labor intensive