Current situation in Burkina Faso

* Small reservoirs: Reservoir with capacity of max 1 M m³
* Over 1700 small reservoirs in Burkina Faso
* Little impact on water balance compared to large scale reservoirs
* Irrigation was not the main purpose for SR in the past
* Cheap to build
* No data on groundwater recharge
* How do they perform in in the dry season?

Use of SR:

* Water storage for livelihoods
* Irrigation for agriculture
* Water source for livestock
* Fishing
* Recommended as solution with high potential compared to large scale water management projects

Benefits:

* Simple technology
* Low cost (absolute value)
* Multiple uses
* Supports local farming
* Easy to maintain and manage
* Limit migration to big cities
* Little impact on flow of the river

Limitation/problems:

* High costs relative to benefits
* Lack of capacity/low quality of construction
* Mismanagement
* Corruption
* Lack of funding
* Possibly not feasible solution for long draughts (Climate change)

Alternatives

Groundwater

* Depends on the underlaying aquifer
* Aquifer in the basement area has low productivity
* Only benefits farmers who can afford a pump

Problems around small reservoirs would also account for alternatives