Bare rock
Gutters

Doing the right thing
Weir

Doing the right thing
Water tanks
Water kiosk

Doing the right thing
Continuum of approaches and measures

Doing the right thing
Context - climate

- Extreme climatic conditions
- High temps
- Erratic, unreliable rainfall
- Winds
- Chronic droughts/floods

Doing the right thing
Context - socioeconomics
- Pastoralism
- Remote, little reach by amenities
- Literacy levels

Doing the right thing
Chronic humanitarian situation

2009 drought

2011 drought

2016 drought

2017 drought
Assessments
- Reconnaissance
- Meetings with leaders
- Government officers
Technical surveys, hydrological surveys, Environmental impact assessment, approvals
With Govt - approvals, validation, site/community selections, goodwill, technical support, planning
With Communities: Community meetings, MoU signing, organization, leadership,
Monitoring: joint, based on M&E plans, tools for quality monitoring
Construction approach: working with artisans
Capacity building
artisans
water management committee
Village hygiene promoters
Board of magt – schools
Children Hygiene and Sanitation Training (CHAST)
The work begins: Labour intensive, Coordination, Unskilled/skilled labour, Technical supervision
Ongoing engagement with community: continuous sensitization, motivation, review of plans...
Technical supervision: Quality & standards, efficiency, timelines
Completion: functionality tests, withholding fee for artisans, O&M orientation,
Why the Approach

- community capacity
- community link with county government
- accountability
- ownership
- Cost effectiveness

Doing the right thing
Why the Technology? Appropriate technology/cost effectiveness; Available resources-Environmental considerations; Caritas experience
Cost of a complete system

- Materials: 90,000€
- Labour

Maintenance Costs

- Scooping of sand, plumbing: 500 €/pa

Daily household water needs

- Cooking
- Washing
- Drinking

30-40 liters/HH
3500 total population
Challenges

- Coordination of Stakeholders
- Approaches implemented
- Cultures not supportive to project priorities
- Humanitarian conditions
Going forward:

- Consolidating and documenting lessons learnt for improvement
- PACDR adopted for Resilience programming
- Climate proof technological options
- Advocacy

Doing the right thing
Thank you!