Table S1. Questions for the current state of irrigation.

IRRIGATION (comparison to Smart Cube manufacture)—Current system:

- Is any irrigation system used? Pump type, size (throughput)

  _____
- Any extra equipment besides the pump and the electricity generator (pipe, hose, housing etc.)? Water tank size, volume, material, installation?

  _____
- What kind of fuel/energy type do you use? / What type of generators do you use? Fuel type, size and capacity?

  _____
- Power consumption of the pump per 1 m^3 of water/ How much fuel do you need for pumping 1 kg or 1 m^3 of water?

  _____
- Distance of pumping (pump height)
  If groundwater: Water table?_____
  Distance from well to treatment plant_____
  Distance from treatment plant to field_____
- Water quality/water source? (river/groundwater/rain water?)/ Water availability/ accessibility?

  _____
- Is water treatment used? What type? costs USD/m^3 (CAPX/OPEX)? Energy demand of current treatment (kWh/m^3)?

  _____

Maintenance:

- Pump maintenance/ general (materials)?
  Frequency of maintenance_____
  Lifetime of pump, well, generator, etc. man_____
- What happen to the generator/pump/equipment when is broken? Repair or disposal (End-of-Life)?

  _____
- Water losses due to leaking, etc.? _____

AGRICULTURE (User Phase)

- How much water is needed to water the farms (m^3/ha)?
  Argan:_____
  Dates:_____
- How often is irrigated (times/week)?
  Argan: _____
  Dates: _____
- What type of irrigation technique is used?
  Argan: _____
  Dates: _____
- How is groundwater pumped? /Water consumption?

  _____

- How much manpower is needed for irrigation?

  _____

- Do they have brine / salt collection?

  _____