

Webinar Q&A

Linking small-scale energy and agriculture to support development and climate goals

Question no.	Question	Answer(s) addressed by presenters	Answers / Comments by attendees
1	I notice Biogas is missing on producing electricity. Is it not efficient or is there any other reason?	live answered	
2	We are looking for a market ready solution for tobacco curing using solar	live answered	
3	For your information, currently in Zambia a solar water pump system is between \$1500 to \$2000. This includes installation and a bore of upto 50m deep.		
4	Hello. Apologies if this concern was already addressed, but the proliferation of solar-powered water pumps may make groundwater relatively "cheap" and accordingly lead users towards significantly greater demands on finite groundwater resources. What are examples of how individual users' demands are being successfully monitored or managed to avoid rapid depletion of their groundwater resource? Thank you.	live answered	
5	What are some of the barriers/limitations to irrigation in cereal systems?	live answered	
6	What is the average cost of briquette making machine? Are the parts for the same readily available?		It depends on the size of the briquette production if manual 20kg/h) - 800\$, medium to large (<800kg) - 80000\$ and large (>800kg/h) - 100000\$.
7	What is the role of the different partners in the project (UNEP, LEADS, FAO)?	live answered	
8	The need of battery depends on the time of irrigation.	One solution for irrigating at night is simply to use a plastic water tank. The solar pump can fill the tank during the day, and then water by gravity feed at night. In this way a battery is still not needed.	
9	What are the biomass materials which can be used to produce the briquettes ?	live answered	Any biomass can be used for briquettes but parameters needed to be taken into account are availability for energy (transport, cost, no competing use), moisture content should be low as well as ash content (otherwise you will have deposits during combustion)
10	Can we replicate these projects in other countries? Especially the irrigation and rice briquette.	live answered	
11	I agree. That means it needs another investment.	Right. Water tanks are relatively low cost and widely available, since urban households use them for drinking water. Even with the cost of the tank, the solar pump system should have a payback time of less than 1.5 years.	
12	Thank you for such informative presentations. I do not have a question but rather require advice. I have 1 hectare which has plenty of ground water and I already have a building on the side. I would like to know how one finds funding to harvest ground water and link it to a building into utilising excess electricity	live answered	