

INVITATION

Training Course On Solar Powered Hatchery Operation

Course content

- Introductory presentations
- Guided tour to Bunda Campus aquaculture and fisheries department and farm operation
- Introduction into the solar power facility
- Broodfish management at the farm and present production methods for fingerlings
- · Quality of feed for juveniles and adults
- Hatchery operation: explaining the technology, hands-on training, including maintenance, monitoring water parameter, feed and feeding technology

Who should attend

- Advanced fish farmer, those who are interested specifically in propagation of fish
- Instructors in aquaculture ("train the trainers")
- Advanced students in aquaculture

Details

- No course fee
- Max. 25 participants
- Accommodation and subsistence provided from the "Ich liebe Fisch" project
- Free course material

How to register

Registration opens now, please send an e-mail to Prof. Daud Kassam
 (dkassam@luanar.ac.mw), providing a short statement of your background and
 your motivation to participate and a contact. Deadline 6th of March, 2019













Training Course on solar powered fish hatchery operation

Organized by the "Ich liebe Fisch"-Project

BUNDA FISH FARM, LUANAR, BUNDA 12th -14TH MARCH 2019

Logistics Program

		Responsible
Date	Activity	Person
	Confirming	
	accommodation at	
8.03.19	APATU	Apatsa
	Welcoming Farmers at	
	APATU and making	
	sure all are	
11.03.19	accommodated	Apatsa & Hassib

Registration Program

Date	Venue	Responsible Person
22 nd September 2018	AQF Conference room	Apatsa & Hassib

DAY 1: TUESDAY – 12^{TH MARCH}, **2019**

07:00 - 08:00: Arrival of participants

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OPENING PROGRAM- Aquaculture Conference Room				
	Activity	Responsible Persons		
08:00	Registration desk opens	Apatsa Chelewani, Hassib Sainan		
09:00-09:10	Official Opening of the Training	HoD, AQF		
09:15-09:30	Introduction into scope of the workshop, agenda, time frame, housekeeping issues etc	Dr. B. Ueberschär (Association for Marine Aquaculture, Germany)		
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09:35-09:9:50	Introduction into the "Ich liebe Fisch Project", Scope and goals	Dr. S. Rakers (Fraunhofer EMB, Germany)		
09:55-10:10	Address on regional aquaculture outlook and programs by World Fish	Silke Uhlenbrock (World Fish Zambia)		
10:15-10:30	Group Photo			
10:35-10:50	Health Break			
10:55-11:10	Introduction to Bunda College's aquaculture and fisheries department and farm operation	Mofolo Sifo (LUANAR)		
11:15-11: 35	Introduction into solar powered hatchery operation, including the McDonald Unit	Dr. B. Ueberschär		
11:40-11:55	Aquaponics: basics on the production of fish and plants in barrels	Peace Mnelemba (LUANAR)		
12:00- 13:00	Lunch			
13:30-16:00	Farm, Hatchery, Solar, Aquaponics Short guided tour through the Bunda Farm facilities with all participants, including the hatchery and solar power plant	Mofolo Sifo, Dr. B. Ueberschär Hassib Sainan (LUANAR)		
END OF 1 ST DAY SESSION				

DAY 2: Wednesday - 13^{TH MARCH}, 2019 07:00 - 08:30: Arrival of participants **BUNDA FISH FARM** Activity **Responsible Persons** 09:00-9:20 Broodfish management at the Tawa (MALDECO Aquaculture) 09:20-9:35 farm and present production Benson Lusangasi (LUANAR) methods for fingerlings-Maldeco and Bunda Case Studies 09:40-09:55 Quality of feed for 09:55-10:10 a. larvae a. Dr. B. Ueberschär b. Lucky Penemulungu b. juveniles and adults (IFFNT) 10:15-10:30 **HEALTH BREAK** 10:35-10:55 All-male production – principles Apatsa Chelewani and practical approaches Elysee Nzohabonayo (LUANAR) 11:00-11: 20 Cryopreservation as a tool to Dr. S. Rakers improve performance of reproduction LUNCH 12:00-13:00 13:30-15:00 Catching broodfish, sex B. Lusangasi core team of the determination, egg retrieval, training course stage determination, incubation into McDonald. 15:00-16:00 Taking larval samples, general Dr. B. Ueberschär, Benson inspection (binocular), Lusangasi and Hassib Sainan measuring size and weight **END OF 2nd DAY SESSION**

DAY 3: THURSDAY – 14^{TH MARCH}, 2019

07:00 - 08:30: Arrival of participants

BUNDA FISH FARM				
	Activity	Responsible Persons		
09:00-10:30	Hatchery operation: explaining the technology, hands-on training, including cleaning, measurement of water parameter, water exchange, feeding and feeding technology	Dr. B. Ueberschär, Benson Lusangasi, Hassib Sainan, Mofolo Sifo		
10:15-10:30	HEALTH BREAK			
10:35-12:00	Continuing with Hatchery operation: explaining the technology, hands-on training, including cleaning, measurement of water parameter, water exchange, feeding and feeding technology	Dr. B. Ueberschär, Benson Lusangasi, Hassib Sainan, Mofolo Sifo		
12:00-13:00	LUNCH			
13:30-14:30	Q&A session, sharing experiences and Soliciting Views from participants on the training in general (including filling out questionnaires)	Denis Chinkhata (IFFNT) and Core team of the workshop		
14:30-16:00	Awarding Certificates, Final Closing Remarks by Participants	Core team of the workshop		
END OF TRAINING				