



IRENA-ECREEE workshop on energy planning 10-12 December 2012, Abidjan, Cote D'Ivoire

Objectives:

- To discuss the role of energy planning in the energy sector development, and penetration of renewable in particular
- To present ECOWAS Renewable Energy Planning Tool (EREP) modeling tool and discuss how to make it more relevant
- To identify areas of collaborations in the field of energy planning

10 December

8:00	Transportation to venue	
9:00-9:15	Opening address by ECREEE	
9:15-9:30	Welcome address by Dolf Gielen (IRENA)	
9:30-9:45	Self-introduction of participants	
9:45-10:30	IRENA-ECREEE capacity building framework by David Vilar (ECREEE)	
10:30-10:45	Coffee break	
10:45-11:15	Introduction to the workshop by Asami Miketa (IRENA)	
	- IRENA's mandate and work program	
	- Scenario and strategy work	
	- EREP model	
44 45 44 20	- Objective of the workshop	
11:15-11:30	Energy planning approaches by Dolf Gielen (IRENA)	
11:30-12:15	IRENA'S EREP model: Modeling approach MESSAGE by Mario Tot (IAEA)	
	- General introduction of MESSAGE modeling approach	
	- Optimization	
	Scenario approachProcess of model development	
	- Process of model development	
12:15-13:15	Lunch break	
13:15-14:45	IRENA's EREP model: Main modeling assumptions by Bruno Merven (IRENA consultant)	
	- Model structure	
	- Scenario definitions	
	- Data sources	
	- Resource data	
	 Characterization of RE technologies (capacity credit, diurnal variation etc) 	
	 Characterization of non RE technologies (costs, fuel price etc) 	
	- Characterization of transmission and distribution technologies (loss, cost, reserve	
	margin etc)	
14:45-15:00	Coffee break	
15:00-16:00	IRENA's EREP model: Main results by Asami Miketa (IRENA)	
	- Generation	
	- Inter-country trade	
	- Grid vs Off grid	
	- Generation costs	
	- Investment needs	
16:00-17:00	Discussion on data improvement/alternative assumptions/alternative scenarios moderated	
47.00.17.00	by Mario Tot (IAEA)	
17:00-17:30	Administrative announcements and installation of the model	
17:30	Transportation to hotel	



12:45-13:00



11 December	
8:00	Transportation to venue
9:00-9:30	Setting up a scenario using the EREP: introduction by Asami Miketa (IRENA)
9:30-10:30	Setting up a scenario using the EREP: demonstration by Bruno Merven (IRENA consultant)
	- Reference energy system
	- Demand data
	- Generation technology data
	- Investment projects
	- Resource data
	- Trade data
	- T&D data
	- System characteristics
	- Constraints
10:30-10:45	Coffee break
10:45-12:00	Analyzing results using the EREP: demonstration by Bruno Merven (IRENA consultant)
10.13 12.00	- Generation
	- Inter-country trade
	- Environmental implications
	- Grid vs off grid power supply
	- Alternative demand
	- Impose on technology choice
	- Alternative technology/fuel costs
	- Trade policy
	- T&D assumptions
12:00-13:00	Lunch break
13:00-13:45	ECOWAS Regional RE Baseline and Policy (including WAPP Master Plan) by David Vilar
	(ECREEE)
13:45-14:15	Setting up alternative scenarios: introduction by Asami Miketa
14:15-15:00	Setting up alternative scenarios: demonstration by Bruno Merven
15:00-15:15	Coffee break
15:15-17:00	Interactive hands-on session
17:00	Transportation to hotel
12 December	
8:00	Transportation to venue
9:00-9:30	Objective of the day: introduction by Asami Miketa (IRENA)
9:30-10:15	IRENA's approach to energy planning by Dolf Gielen (IRENA)
10:15-11:00	IAEA's capacity building activities in the region by Mario Tot (IAEA)
10.15 11.00	TALK 3 capacity ballating activities in the region by Wallo Fot (IALA)
11:00-11:15	Coffee break
11:15-12:45	Discussion on way forward (moderated by David Vilar)
	- The role of energy planning in the energy sector development, and penetration of
	renewable in particular
	 How to make EREP more relevant: methodology, data, and processes
	 Areas of collaboration in the field of energy planning

Closing remarks and end of workshop by Dolf Gielen (IRENA)





13:00-14:00 Lunch break

14:00 Photo session

14:30 Transportation to the hotel