

Tuesday 11 July 2017			Time	Cum.Time
DAY 1. GIS and short/medium term energy planning				
9:00	9:30	Registration of Participants	0:30	0:30
9:30	9:45	Welcome Remarks - Objective of the workshop	0:15	0:45
		Note by Morgan Bazilian WB		
9:45	9:50	1. Outline of the 3-day training session	0:05	0:50
9:50	10:10	2. Introduction to basic concepts in Energy planning	0:20	1:10
10:10	10:20	3. Energy access for all: An energy modelling approach	0:10	1:20
10:20	10:30	4. Energy planning using GIS	0:10	1:30
		Dimitris Mentis, Alexandros Korkovelos, KTH		
10:30	11:00	Coffee break	0:30	2:00
11:00	11:20	5. Introduction to basic GIS concepts	0:20	2:20
		Dimitris Mentis, Alexandros Korkovelos, KTH		
11:20	11:30	a. Data types, format and processing environments	0:10	2:30
		Dimitris Mentis, Alexandros Korkovelos, KTH		
11:30	12:00	b. Data acquisition, synchronization, projection, calibration	0:30	3:00
		Dimitris Mentis, Alexandros Korkovelos, KTH		
12:00	13:00	Lunch break	1:00	4:00
13:00	13:30	c. Digitization techniques (e.g. power system)	0:30	4:30
		Dimitris Mentis, Alexandros Korkovelos, KTH		
13:30	14:15	d. Post processing and analysis	0:45	5:15
		Dimitris Mentis, Alexandros Korkovelos, KTH		
14:15	14:30	e. Introduction to python in GIS	0:15	5:30
		Dimitris Mentis, Alexandros Korkovelos, KTH		
14:30	15:00	Coffee break	0:30	6:00
15:00	16:50	6. Hands on exercise - Preparation of GIS data for Afghanistan	1:50	7:50
		All		
16:50	17:00	Wrap-up, plan of the 2nd day & Adjour	0:10	8:00
		Morgan Bazilian, Dimitris Mentis, Alexandros Korkovelos		
Wednesday 12 July 2017			Time	Cum.Time
DAY 2. Energy planning with ONSSET				
9:00	9:30	7. Electrification analysis using GIS - Introduction to ONSSET	0:30	0:30
		Note by Morgan Bazilian		
9:30	9:40	8. The online interface	0:10	0:40
		Dimitris Mentis, Alexandros Korkovelos, KTH		
9:40	10:00	a. Input data (Sources, acquisition, insertion into the model)	0:20	1:00
		Dimitris Mentis, Alexandros Korkovelos, KTH		
10:00	10:40	b. Model & scenario development	0:40	1:40
		Dimitris Mentis, Alexandros Korkovelos, KTH		
10:40	11:00	c. Electrification analysis - Result visualization, interpretation and sharing - Help & assistance	0:20	2:00
		Dimitris Mentis, Alexandros Korkovelos, KTH		
11:00	11:30	Coffee break	0:30	2:30
11:30	11:35	9. The stand alone version of OnSSET	0:05	2:35
		Dimitris Mentis, Alexandros Korkovelos, KTH		
11:35	12:05	a. Software installation	0:30	3:05
		Dimitris Mentis, Alexandros Korkovelos, KTH		
12:05	12:15	b. Model & scenario development	0:10	3:15
		Dimitris Mentis, Alexandros Korkovelos, KTH		
12:15	13:00	c. Electrification analysis - Result visualization, interpretation and sharing - Help & assistance	0:45	4:00
		Morgan Bazilian, Dimitris Mentis, Alexandros Korkovelos		
13:00	14:00	Lunch break	1:00	5:00
14:00	15:00	10. ONSSET analysis for Afghanistan (Inputs - Specifications - Results)	1:00	6:00
		Alexandros Korkovelos KTH		
15:00	15:30	11. Interpretation of results (Science - Policy)	0:30	6:30
		Morgan Bazilian, Fanny Missfeldt-Ringius, Dimitris Mentis, Alexandros Korkovelos		
15:30	16:00	Coffee break	0:30	7:00
16:00	16:50	12. Open Discussion on electrification planning, model modifications, new functionalities	0:50	7:50
		All		
16:50	17:00	Wrap-up, plan of the 2nd day & Adjour	0:10	8:00
		Morgan Bazilian, Dimitris Mentis, Alexandros Korkovelos		
Thursday 13 July 2017			Time	Cum.Time
DAY 3. Hands on Experience with ONSSET				
9:00	9:05	13. Hands on experience with the electrification model (ONSSET) - Part 1	0:05	0:05
		Dimitris Mentis, Alexandros Korkovelos, KTH		
9:05	10:05	a. Input data (Sources, acquisition, insertion into the model)	1:00	1:05
		Dimitris Mentis, Alexandros Korkovelos, KTH		
10:05	11:00	b. Model & scenario development	0:55	2:00
		Dimitris Mentis, Alexandros Korkovelos, KTH		
11:00	11:30	Coffee break	0:30	2:30
11:30	11:30	13. Hands on experience with the electrification model (ONSSET) - Part 2	0:00	2:30
		Dimitris Mentis, Alexandros Korkovelos, KTH		
11:30	12:15	c. Electrification analysis - Running the model, result extraction, interpretation	0:45	3:15
		Dimitris Mentis, Alexandros Korkovelos, KTH		
12:15	13:00	d. Post analysis and visualization	0:45	4:00
		Dimitris Mentis, Alexandros Korkovelos, KTH		
13:00	14:00	Lunch break	1:00	5:00
14:00	16:00	14. Group presentation	2:00	7:00
		All		
16:00	16:30	Coffee break	0:30	7:30
16:30	17:00	15. Open discussion, recap of the Workshop and Adjour	0:30	8:00
		All - Morgan Bazilian, Fanny Missfeldt-Ringius, Dimitris Mentis, Alexandros Korkovelos		

Total 24:00 h