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United Nations
Economic Commission for Africa



UNDESA

EMP-Africa 2019
Energy Modelling Platform for Africa
30 – 31 January 2019, Cape Town (14 – 29 Jan. 2019, Training Sessions)
University of Cape Town, New Engineering Building
South Africa

Draft programme

TUESDAY 29TH JANUARY 2019 - OUTLOOKS	
19:00	Drinks and snacks Pre-Launch: UNDP/UNDESA Guide to Models for Sustainable Development. Leslie Social Science Building. Uyanga Gankhuyag, (United Nations Development Programme) and Mark Howells (KTH)

WEDNESDAY 30TH JANUARY 2019 - OUTLOOKS	
08:00 – 09:00	Registration - Leslie Social Science Building LT2A
09:00 - 10:30	OPENING PLENARY Moderator: Prof. Mark Howells Royal Institute of Technology / OpTIMUS
09:00 – 09:20	Welcome and opening remarks: Dr Linus Mofor , ACPC/UN Economic Commission for Africa Prof Alison Lewis , Dean of Engineering, UCT
09:20 – 09:40	Remarks <ul style="list-style-type: none"> ● Prof. Mark Howells, Royal Institute of Technology / OpTIMUS ● Dennis Konadu, OpTIMUS ● Nicolina Lindblad, World Bank ESMAP ● Asami Miketa, IRENA ● William Blyth, DFID ● Mustapha Jallab, UNIDEP



09:40 - 10:30	SETTING THE SCENE Moderator: Dennis Konadu, OpTIMUS	
09:40 - 10:10	Setting the scene: <ul style="list-style-type: none"> ● Linus Mofor Senior Environmental Affairs Officer (Energy, Infrastructure and Climate Change), African Climate Policy Centre, ECA ● Chiara Rogate ESMAP focal point for sector-wide electrification planning, including geospatial tools and renewable energy mapping 	
10:10 - 10:20	Introducing the Roundtable on Strategic Energy Planning	William Blyth Senior Research Fellow (Energy), DFID
10:20 - 10:30	Presentation of the forthcoming Global Electrification Platform	Chiara Rogate ESMAP focal point for sector-wide electrification planning, including geospatial tools and renewable energy mapping
10:30 - 11:00	<i>Coffee break</i>	
11:00 - 13:00	Plenary: Examples of how partners are supporting member States with energy modelling and planning (max 10 mins each) <ul style="list-style-type: none"> ● ECA ● AfDB ● KTH ● World Bank ● IRENA ● IEA ● IAEA ● DFID ● UNDESA/UNDP Discussion	Moderator: Holger Rogner, OpTIMUS WB TTLs could discuss power sector integrated planning and demand estimates for productive uses, as well as client engagement



13:00 - 13:15	Launch: FEEM Book Energy in Africa & Renewable Energy and Sustainability in East Africa	
13:15 - 14:00	<i>Lunch</i>	
14:00 - 15:30	INVESTMENT OUTLOOKS Moderator: Dinesh Surroop, University of Mauritius	
14:00 - 14:15	AfDB investment outlook	Jacques Moulot, AfDB (TBC)
14:15 - 14:30	World Energy Outlook - African investments	Olivia Chen, IEA
14:30 - 14:45	Planning and prospects for renewable energy	Asami Miketa, IRENA
14:45 - 15:00	tbd	Rhonda Lenai Jordan, Energy Specialist, Geospatial planning in the Africa region, WBG (Remote)
15:00 - 15:15	Centres of excellence and emerging partnerships	Paolo Carnevale, Director, FEEM
15:15 - 15:30	Southern African Insights	Sonwabo Damba, ESKOM and SAPP
15:30 - 16:00	<i>Coffee break</i>	
16:00 - 17:45	INVESTMENT OUTLOOKS (continued) Moderator: Francis Wasswa, University of Mauritius	
16:00 - 16:15	South Africa - An Energy Outlook from the South	Joanne Calitz/Jarrad Wright, CSIR, South Africa (one of the two)
16:15 - 16:30	Nigeria - An Energy Outlook from the West	Nnaemeka Vincent Emodi, James Cook University, Australia (remotely)



16:30 – 16:45	Tunisia – An Energy Outlook from the North	Prof. Chiheb Bouden , ENIT (remotely)
16:45 – 17:00	Zambia – An Energy Outlook from the South (TBC)	Christopher Saunders , Senior Energy Specialist, WBG
17:00 – 17:15	Mauritius – An Energy Outlook from an Island	Dinesh Surroop , University of Mauritius
17:15 – 17:30	An electrification outlook for Africa	Alexander Korkovelos , Royal Institute of Technology (remotely)
17:30 – 17:45	All African Continental Countries. An energy Outlook from TEMBA – The Electricity Model Base for Africa	Ioannis Pappis , Royal Institute of Technology
17:45	<i>Wrap up of Day 1</i>	

WEDNESDAY EVENING 30TH JANUARY 2019 -BREAKING

19:00	Dinner Launch: Facebook: Free and open access MV data for electrification planning Dimitry Gershenson , Program Manager, Facebook (via Weblink)
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THURSDAY 31TH JANUARY 2019 – MODELS

09:00 – 10:30	Energy Modelling Capacity Building in Africa Moderator: Dennis Konadu , OpTIMUS	
09:00 – 09:15	ECA's Approach: the IDEP Modular Programme on Energy Supply and Demand Planning and Management	Ron Mistry (UNECA)



09:15 – 09:30	The model-policy interface	Holger Rogner, IIASA
09:30 – 09:45	Modalities of IAEA’s Capacity Building Activities	Andrii Gritsevskiy, IAEA
09:45 – 10:00	Modalities of IRENA’s Capacity Building Activities	Asami Miketa, IRENA
10:00 – 10:15	Modalities of ESMAP’s Capacity Building Activities	Nicolina Lindblad, World Bank ESMAP
10:15 – 10:30	Discussion	Mark Howells, Royal Institute of Technology
10:30 – 11:00	<i>Coffee break</i>	
11:00 – 13:00	The Need for Energy Models and Capacity Building participants Moderator: Luca Petrarulo, Oxford Policy Management	
11:00 – 11:15	Selected country needs: Country A	Outstanding participant 1: Government
11:15 – 11:30	Selected country needs: Country B	Outstanding participant 2: Academia
11:30 – 11:45	Selected country needs: Country C	Outstanding participant 3: Industry
11:45 – 12:00	Selected country needs: Country D	Outstanding participant 4: Government
12:00 – 12:15	Selected country needs: Country E	Outstanding participant 5: Academia
12:15 – 12:30	Selected country needs: Country F	Outstanding participant 6: Government
12:30 – 12:45	Selected country needs: Country G	Outstanding participant 7: Academia
12:45 – 13:00	Selected needs: Africa	Linus Mofor, ECA



13:00 – 13:15	<i>Pre-Launch: Key principles for improving the effectiveness of strategic energy planning in developing and emerging economies (Roundtable Initiative on Strategic Energy Planning)</i>	
13:15 – 14:00	Lunch	
14:00 – 15:30	Electrification modelling in Africa Moderator: Chiara Rogate, ESMAP	
14:00 – 14:15	Modelling access using OnSSET	Alexandros Korkovelos , Royal Institute of Technology (remotely)
14:15 – 14:30	Modelling hybrid mini-grids using TEMPO	Gregory Ireland , UCT
14:30 – 14:45	Modelling with the Reference Energy Model	Matthew Brusnahan , MIT. (remotely)
14:45 – 15:00	Setting up infrastructure for data management.	Gavin Fleming , Kartoza
15:00 – 15:15	The Role of Digitalization in fostering Energy Access - innovative business models	Davide Mazzoni , FEEM
15:15 – 16:00	<i>Coffee break</i>	
16:00 – 17:30	Capacity building with medium to long term systems models Moderator: Holger Rogner, OpTIMUS	
16:00 – 16:15	OSeMOSYS.online and CLEWs.online	Mark Howells , Royal Institute of Technology
16:15 – 16:30	Integrating energy modelling with Economic and Environmental Impact assessment. OSeMOSYS -IO.	Emanuela Colombo , Politecnico di Milano
16:30 – 16:45	The IAEA Energy Planning Software Suite	Andrii Gritsevskiy , IAEA
16:45 – 17:00	SEforAll - Integrated Electrification Pathways	Graham Pugh , SEforAll



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17:00 - 17:15	Highlights from the Energy and Economic Growth (EEG) Applied Research Programme	Luca Petrarulo , Oxford Policy Management
17:15 - 17:30	Building hubs in Africa - Notes from the host	Bruno Merven (TBC) , UCT
17:30 - 18:00	<ul style="list-style-type: none"> ● OpTIMUS - An introduction to the community of practice <ul style="list-style-type: none"> ○ Dennis Konadu - Powerful partnerships ○ Francis Wasswa - Uganda, an emerging hub. ○ Dinesh Surroop - Mauritius, host of EMP-2020 	
18:00 - 18:30	<ul style="list-style-type: none"> ● Closing statements and next steps (Chiara Rogate) ● Towards an EMP-Africa Partnership (Linus Mofor) 	

THURSDAY EVENING 31TH JANUARY 2019

19:00	Closing Dinner
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