



# MODELING TOOLS – INTEGRATED APPROACHES FOR SUSTAINABLE DEVELOPMENT

Workshop for UN staff and policymakers



22-26 August 2016, Addis Ababa

## AGENDA

### Monday 22 August 2016

**08:30 09:00** Registration of Participants

**09:00 09:20** Welcome Remarks

- Gerd Trogemann, Director, Regional Service Center, UNDP, Addis
- Diana Alarcon, Chief, Development Strategy and Policy Analysis, UNDESA, NY
- Mark Howells, Director, Division of Energy Systems Analysis, KTH

**Overview of the week program and introductions**

**09:20 09:40** The tasks for the week, Eduardo Zepeda (EZ)

**09:40 10:20** Round of Introductions, Caroline Lensing-Hebben (CL)

**10:20 10:40** Coffee break

### TRAINING MODULE 1: Sustainable Development, SDGs and modeling

**Modelling Sustainable Development: the Global Approach**

**Moderator: Caroline Lensing-Hebben (CL)**

**10:40 12:00** M 1.1 Modelling Tools for Sustainable Development & 2030 Agenda, (EZ)

**12:00 13:00** M1.2 Climate, Land, Energy and Water: A Global Model, Mark Howells (MH)

**13:00 14:30** *Lunch break*

**14:30 15:30** M1.2 Climate, Land, Energy & Water: A Global Model: Hands-On, Thomas Alfstad (TA)

**15:30 15:50** Coffee break

**Modelling Sustainable Development: briefs on country approaches**

**Moderator: (CL)**

**15:50 16:02** M1.M2 Climate, Land, Energy and Water: Country Model (TA)

**16:02 16:14** M1.M3 Energy Systems Modelling in Countries, MH & Chris Arderne (CA)

**16:14 16:26** M1.M4 Modelling Electricity for All, MH and Dimitris Mentis (DM)

**16:26 16:38** M1.M5 Microsimulation for Social Inclusion (EZ)

**16:38 17:10** SDGs and Modelling Tools: Open Discussion (TA)

**17:10** Adjourn



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## Tuesday 23 August 2016

### TRAINING MODULE 2: SDGs, COUNTRY INTEGRATED ASSESSMENT

09:00	09:50	<b>M2.1 Integrated Assessment: Sustainable development &amp; the food-energy-water nexus</b> Resources: (TA, MH, CA) Moderator: (EZ)
09:50	09:55	5 minute break
09:55	10:45	<b>M2.2 The Climate Land Energy and Water Systems (CLEWS) approach</b>
10:45	11:00	Coffee break
11:00	12:30	<b>M2.3 CLEWS country case studies</b>
12:30	14:00	<i>Lunch break</i>
14:00	15:30	<b>M2.4 Hands on experience with CLEWS</b>
15:30	15:50	Coffee break
15:50	17:00	<b>M2.4 Hands on experience with CLEWS, continued</b>
17:00	17:10	<b>M2.6 Wrap-up and assignments</b>
17:10		<b>Adjourn</b>

## Wednesday, 24 August 2016

### TRAINING MODULE 3: SUSTAINABLE ENERGY

09:00	09:50	<b>M3.1 Energy and Development</b> Resources: (CA, MH, TA) Moderator: (EZ)
09:50	09:55	5 minute break
09:55	10:45	<b>M3.2 Energy Policy</b>
10:45	11:00	Coffee break
11:00	12:30	<b>M3.3 Energy Systems modelling</b>
12:30	14:00	<i>Lunch break</i>
14:00	15:30	<b>M3.4 OSeMOSYS and MoManI</b>
15:30	16:00	Coffee break
16:00	16:30	<b>M3.5 Modelling Tools &amp; Capacity Development: Bolivia, Marcelo Velazquez, Bolivia Gov.</b>
16:30	17:50	<b>M3.6 Electricity systems modelling: hands on experience</b>
17:50	18:00	<b>M3.7 Wrap-up and assignments</b>
18:00	18:00	<b>Adjourn</b>



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## Thursday, 25 August 2016

### TRAINING MODULE 4: UNIVERSAL ACCESS TO ELECTRICITY

09:00	09:50	<b>M4.1 Assessing Energy and Electricity for All using GIS</b> Resources: (DM, MH, CA) Moderator: (TA)
09:50	09:55	5 minute break
09:55	10:45	<b>M4.2 Introduction to the Open Source Spatial Electrification Toolkit</b>
10:45	11:00	Coffee break
11:00	12:30	<b>M4.3 Electrification analysis using GIS</b>
12:30	12:50	<b>M3.4 Modelling Tools &amp; Capacity Development: Uganda, Tasha Balunywa, Uganda Gov.</b>
12:50	13:50	<i>Lunch break</i>
13:50	15:20	<b>M4.5 The Online Electrification Interface</b>
15:20	15:50	Coffee break
15:50	17:10	<b>M4.6 Hands on experience with the electrification model (ONSET)</b>
17:10	17:40	<b>M4.7 Presenting models to Governments for SDGs policies, Experts &amp; Policy Advisers</b>
17:40		<b>Adjourn</b>

## Friday, 26 August 2016

### TRAINING MODULE 5: SOCIAL INCLUSION

09:00	09:40	<b>M5.1 Social inclusion and microsimulation: Growth and Social Inclusion, Bolivia</b> Resources: (EZ, TA, DM) Moderator: (MH)
09:40	10:40	<b>M5.2 Microsimulation: Growth and Social Inclusion, Bolivia: Hands-On</b>
10:40	11:00	<b>M5.3 Modelling Tools &amp; Capacity Development: Nicaragua, Osmar Cuadra, Nicaragua Govt.</b>
11:00	11:20	Coffee break
11:20	13:10	<b>M5.4 Estimating electricity demand and sensitivity to inequality</b>
13:10	14:10	Lunch break
14:10	16:00	<b>M5.4 Estimating electricity demand and sensitivity to inequality: Hands-On, cont.</b>
16:00	16:20	Coffee break
16:20	18:00	<b>RECAP OF WORKSHOP</b>
18:00		<b>Adjourn</b>