



Summer School on Modelling Tools for Sustainable Development

UNDESA, UNDP, ICTP, WB, Cambridge University, KTH, OpTIMUS

HIGH-LEVEL MEETING AND STRATEGIC DISCOURSE

Trieste, 28-29 June 2018

ICTP, Kastler Lecture Hall, Adriatico Guesthouse, lower level 1

The Summer School on Modelling Tools for Sustainable Development is an annual event to promote quantitative analysis in support of policy formulation for national strategies towards achievement of the 2030 Development Agenda and the Sustainable Development Goals (SDGs). It has the twin aims of strengthening capacity in Member States to incorporate model-based analysis into the policy formulation process and serve as a platform for dialogue among stakeholders from governments, academia and the international development community. At the culmination of the summer school, a high-level meeting and a strategic discourse, will be organized to discuss progress made to date and the way forward to best support the incorporation of quantitative methods into national decision making processes for sustainable development .

The events are hosted by the International Centre for Theoretical Physics (ICTP) of the United Nations Educational, Cultural and Scientific Organization (UNESCO) and jointly organized by the United Nations Department of Economic and Social Affairs (UN/DESA), the United Nations Development Programme (UNDP), the World Bank Group (WGB), Cambridge University (CU), the Royal Institute of Technology of Sweden (KTH), and the Open Tools, Integrated Modelling and Upskilling for Sustainable Development Community (OpTIMUS).

The high-level meeting on “Modelling Tools to Inform National Sustainable Development Policies” will take place on 28 June. The meeting will feature enriching discussions on how sustainable development challenges are being perceived by countries, what the role of modelling tools and quantitative analysis can play in informing the design of better policies for sustainable development and how capacity development efforts can best support countries in this respect. The meeting will bring together high-level government officials from several countries, international organizations, and academia. It will provide an opportunity to discuss policy coherence and other important national sustainable development policy concerns in a broader context. We aim to host a candid exchange of views on the support needed in each country to enhance the quality of the evidence informing national decisions on sustainable development.

On 29 June, the strategic discourse among key thought-leaders will take place. The discourse will provide a venue for government officials, donors, development organizations and academics to discuss how best to promote the use of quantitative modelling tools for the achievement of sustainability at country level and its implications for the achievement of the sustainable development goals.



**High-level meeting:
Modelling tools to inform national sustainable development policies**

Thursday, June 28

09:00 - 09:20	Welcoming and Opening Remarks
10'	Fernando Quevedo , Director, the Abdus Salam International Centre for Theoretical Physics (ICTP)
10'	Holger Rogner , International Institute for Applied Systems Analysis, OpTIMUS Community of Practice
09:20 - 10:00	Capacity Development on Modelling Tools to Inform Sustainable Development Policies
5'	Chair – Adrian Tompkins , Earth System Physics, ICTP
10'	Thomas Alfstad , Inter-Regional Advisor, UN/DESA: <ul style="list-style-type: none"> Follow-up Trieste 2017 and capacity development in countries
10'	Chiara Rogate , Energy Specialist ESMAP, World Bank Group: <ul style="list-style-type: none"> Reinforcing country relevance and capacity development
15'	<i>Discussion</i>
10:00 - 10:30	Coffee Break
10:30 - 11:20	Global Modelling and regional investment needs for Sustainable Development
5'	Chair - Holger Rogner , International Institute for Applied Systems Analysis, OpTIMUS Community of Practice
10'	Hannah Daly , Energy Modeller, International Energy Agency <ul style="list-style-type: none"> Insights from the Energy Access Outlook 2017
10'	Annikka Lipponen , Environmental Affairs Officer, United Nations Economic Commission for Europe <ul style="list-style-type: none"> Transboundary basins necessitating shared development strategies
10'	Asma Dhakouani , Ecole Nationale d'Ingenieurs de Tunis, Tunisia <ul style="list-style-type: none"> Global applicability and scaling of open source modelling tools: North African Case
15'	<i>Discussion</i>



11:20 - 12:20	Providing the foundations for sustainable development
5'	Chair – Mark Howells , Director and Professor: division of Energy Systems Analysis, Royal Institute of Technology
10'	Mathew Kurian , Head of Unit- capacity development and governance UNU <ul style="list-style-type: none"> Place-based Observatories on the Nexus of Water- Energy and Food
10'	Jonas Rabinovitch , Senior Adviser, UN/DESA <ul style="list-style-type: none"> Public institutions for sustainable development
10'	Asami Miketa , International Renewable Energy Agency <ul style="list-style-type: none"> IRENA resources and capacity building
10'	Linus Mofor , Senior Environmental Affairs Officer (Energy, Infrastructure and Climate Change), African Climate Policy Centre, ECA <ul style="list-style-type: none"> African trade-offs
15'	<i>Discussion</i>
12:10 - 13:00	Outcomes of the 2018 Summer School: Selected presentations from participants
5'	Chair - Nicolina Lindblad , Energy Access Consultant, World Bank
10'	<i>An electrification strategy</i> <ul style="list-style-type: none"> Outstanding country participant (1) (tbd)
10'	<i>An energy and climate mitigation strategy</i> <ul style="list-style-type: none"> Outstanding academic participant (2) (tbd)
10'	<i>An integrated Climate, Land, Energy, Water system strategy</i> <ul style="list-style-type: none"> Outstanding country participant (3) (tbd)
15'	<i>Discussion</i>
13:00 - 14:30	Lunch (<i>Tavernetta Al Molo, Riva Massimiliano e Carlotta, 11, Trieste</i>)
14:30 – 14:45	Launch of a revamped online resource to promote modelling for sustainable development
15'	Tasneem Mirza , Strategic Specialist, Strategic Policy Unit, UNDP Thomas Alfstad , Inter-Regional Advisor, UN/DESA



14:45 – 15:30	Providing analysis and evidence in support of sustainable development policies: African perspectives
5'	Chair - Linus Mofor , Senior Environmental Affairs Officer (Energy, Infrastructure and Climate Change), African Climate Policy Centre, ECA African trade-offs
30'	Nuredin Mohammed , Director of Water Supply and Sanitation Directorate, Ethiopia Alfred Ofose Ahenkorah , Executive Secretary, Energy Commission, Ghana Souleymane Cisse , Direction Générale de la Planification et des Politiques Économiques, Senegal Serge FOTSO SIMO , Ministry of Planning, Economy and Regional Development Yaoude, Cameroon
10'	<i>Discussion</i>
15:30 - 16:00	Coffee Break
16:00 – 16:45	Providing analysis and evidence in support of sustainable development policies: Insights from Asia and Latin America
5'	Chair - Eduardo Zepeda , OpTIMUS Community of Practice
10'	Uyanga Gankhuyag , Program specialist, UNDP <ul style="list-style-type: none"> Country outreach
10'	Xu Xiangyang , Professor at the Center for Resources and Environmental Policy Research, School of Management, China University of Mining and Technology <ul style="list-style-type: none"> Sustainable development policies challenges in China
10'	Rudy Henri van Els , Professor, University of Brasília, Campus Gama, Energy Engineering <ul style="list-style-type: none"> The challenges of universalizing the access services in the Amazon
10'	<i>Discussion</i>
16:45 - 17:05	Wrap-up and Closing
10'	Thomas Alfstad , Inter-Regional Advisor, UN/DESA
10'	Mark Howells , Director and Professor: division of Energy Systems Analysis, Royal Institute of Technology
17:15 - 19:00	Get-together reception (<i>Adriatico Guest House Terrace</i>)



**Strategic discourse:
Providing appropriate, effective and transferable tools to country stakeholders**

Friday, 29 June

09:00 - 09:45	Real world relevance and academic excellence of open toolkits and methods: creating a global curricula.
5'	Chair: Francesco Fuso Nerini , Assistant Professor, Division of Energy Systems Analysis, Royal Institute of Technology
10'	Holger Rogner , International Institute for Applied Systems Analysis & OpTIMUS Community of Practice <ul style="list-style-type: none"> 'The science policy interface': ensuring that science leads to evidence based policy
10'	Mark Howells , Director and Professor: division of Energy Systems Analysis, Royal Institute of Technology <ul style="list-style-type: none"> Regional Energy Modelling Platform meetings
10'	Berit Müller , Head 'Transformation of Energy Systems' Reiner Lemoine Institute <ul style="list-style-type: none"> Benefits of open Source, transparency, and open peer review
10'	<i>Discussion</i>
09:45 - 10:20	Participant Reflection: what was good and what is still needed in the summer school
5'	Chair: Tasneem Mirza , Strategic Specialist, Strategic Policy Unit, United Nations Development Programme
40'	Selected Participant Reflections from Asia-Pacific, Africa and Latin America
10:30 - 11:00	Coffee Break
11:00 - 11:45	Donor, organiser and UN Reflection: how to make the effort sustainable
5'	Chair: Eduardo Zepeda , OpTIMUS Community of Practice
10'	Chiara Rogate , Energy Specialist ESMAP, World Bank Group: <ul style="list-style-type: none"> Insights from a development bank support program
10'	Luca Petrarulo , Oxford Policy Management: <ul style="list-style-type: none"> Donor collaboration and the 'round table process'
10'	Mario Merchan Andres , Intenationale Zusammenarbeit (GIZ) GmbH, Germany: <ul style="list-style-type: none"> Supporting sustainable capacity building
10'	<i>Discussion</i>



11:45 - 12:30	The role and emergence of training hubs and regional meetings
5'	Chair – Mark Howells , Director and Professor: division of Energy Systems Analysis, Royal Institute of Technology
10'	Linus Mofor , Senior Environmental Affairs Officer (Energy, Infrastructure and Climate Change), African Climate Policy Centre, ECA: <ul style="list-style-type: none"> • The perspective of regional commissions
10'	Francis Wasswa , Lecturer, Makerere University, Uganda <ul style="list-style-type: none"> • The development of an integrated: energy-economics African modelling track
10'	Dinesh Surroop , Senior Lecturer, University of Mauritius <ul style="list-style-type: none"> • Introducing energy modelling studies in an Island university
10'	<i>Discussion</i>
12:30 - 13:20	The role of an international community of practitioners
5'	Chair: Holger Rogner , International Institute for Applied Systems Analysis & OpTIMUS Community of Practice
10'	Vijay Modi , Professor, Department of Mechanical Engineer, University of Columbia <ul style="list-style-type: none"> • Understanding challenges and practicalities of energy development
10'	Luca Petrarulo , Oxford Policy Management <ul style="list-style-type: none"> • The role of targeted assistance programs to support cooperation
10'	Emanuela Colombo , Rector's Delegate Politecnico di Milano <ul style="list-style-type: none"> • International Cooperation on Research and Innovation Ecosystem for Sustainable Development
5'	Manfred Hafner , Energy Scenarios and Policy (ESP) Program Coordinator at FEEM <ul style="list-style-type: none"> • The need of co-ownership in development programmes
10'	<i>Discussion</i>
13:20 - 13:40	Closing remarks and follow up actions
5'	Tasneem Mirza , Strategic Specialist, Strategic Policy Unit, UNDP
5'	Chiara Rogate , Energy Specialist ESMAP, World Bank Group
5'	Mark Howells , Director and Professor: division of Energy Systems Analysis, Royal Institute of Technology
13:40 - 14:40	Lunch (<i>Adriatico Guest House Terrace</i>)