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Deutsches Institut für
Entwicklungspolitik



German Development
Institute



Dii

Renewable energy
bridging continents



Workshop

Macroeconomic Impacts and Employment Effects of Solar and Wind Energy Production in the EU and MENA until 2050

Venue: German Development Institute / Deutsches Institut für Entwicklungspolitik
(DIE), Bonn
Tulpenfeld 6, 53113 Bonn/Germany

Date: February 4, 2013

Time: 11:00 – 17:00

The **German Development Institute / Deutsches Institut für Entwicklungspolitik** (DIE), **Dii** (Desert Power Industrial Initiative) and **Kiel Institute for the World Economy** (IfW) have the pleasure of inviting you to a stakeholder consultation to discuss macroeconomic and employment effects of renewable energy deployment in the European Union (EU) and Middle East and North Africa (MENA).

The potential that large scale renewable energy deployment in the MENA region could offer with respect to energy security, economic development and employment creation, as well as in terms of energy market integration with the EU, has been widely discussed. Recognizing the multidimensional benefits that could be achieved by diversifying the energy mix into clean energy, countries in the MENA region have set ambitious renewable energy targets and large investments are already taking place. However, comprehensive empirical studies that measure macroeconomic and employment effects are still lacking.

To address this drawback and to contribute to informed policymaking, Dii has commissioned to the Kiel Institute for the World Economy (IfW) a study focused on “Modeling sectoral and regional macroeconomic impacts and employment effects of solar and wind energy production in the EU and MENA until 2050”. This study builds on Dii’s “Desert Power 2050” report which examined various scenarios for achieving EU-MENA energy market integration. The goal of this workshop is to present preliminary findings and to discuss its policy implications with stakeholders from academia and policymaking.

In the first part of the workshop, following a brief overview of the current conditions for renewable energy developments in the MENA region, **macroeconomic and sector-specific effects** of solar and wind technology deployment in the EU-MENA region will be evaluated using a computable general equilibrium model that estimates different development pathways based on various assumptions until 2050 and country/regional characteristics.

In the second part, **direct and indirect employment effects** by sector and in different parts of the value chain will be assessed, using employment multiplier analyses for several EU and MENA countries, in accordance with renewable energy investment pathways until 2050.

In the third part, **research findings will be translated into policies**. Based on DIE research in Egypt and Morocco as well as Dii policy research, policy options to attract renewable energy investments and to maximize their macroeconomic and employment effects are presented.

Workshop agenda

Topic	Time
Welcome address Dr. Tilman Altenburg (DIE)	11:00–11:15
Socio-economic analyses as part of Dii's activities in promoting renewables in MENA Dr. Florian Zickfeld (Dii)	11:15–11:30
Macroeconomic modeling of renewable energy deployment in MENA Prof. Gernot Klepper (IfW) Dr. Ramiro Parrado (FEEM) (discussant)	11:30–12:30
<i>Lunch Break</i>	<i>12:30–14:00</i>
Industry capacity in MENA and employment effects of renewable energy Prof. Manfred Wiebelt (IfW) & Mr. Julian Blohmke (Dii) Dr. Ulrike Lehr (GWS) (discussant)	14:00–15:00
<i>Coffee break</i>	<i>15:00–15:30</i>
Translating the findings into policy Dr. Tilman Altenburg (DIE) & Dr. Georgeta Vidican (DIE) Mr. Matthew Sohm (Dii)	15:30–16:30
Concluding remarks	16:30–17:00

The **German Development Institute / Deutsches Institut für Entwicklungspolitik (DIE)** is one of the leading research institutions and think tanks for global development and international development policy worldwide. The DIE's unique research profile combines research, consulting and professional training. DIE builds bridges between theory and practice and works within international research networks. Contact: *Georgeta Vidican*, Email: georgeta.vidican@die-gdi.de

Dii GmbH ("Dii") is a unique industrial initiative which was founded in October 2009. Today, Dii has 21 Shareholders and 35 Associated Partner companies from 16 countries in Europe as well as the Middle East and North Africa ("MENA"). Together with a wide range of stakeholders, Dii enables an industrial scale market for renewable energy in MENA. Contact: *Julian Blohmke*, Email: blohmke@dii-eumena.com

The **Kiel Institute for the World Economy (IfW)** is a leading, internationally oriented, non-university research institution dedicated to theoretical and empirical research on socially important problems of the world economy. It is one of the few research institutes in the world primarily dedicated to investigating the global economy from a primarily global (rather than national) perspective.

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Your directions to the German Development Institute /
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Tulpenfeld 6
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From Bonn Central Station (*Hauptbahnhof*):

Take the U-Bahn U 16/ U 63 or U 66 to "Heussallee/Museumsmeile". Take the exit Heussallee. Turn right after 50 m onto the footpath towards the office complex 'Tulpenfeld'. Follow the signs across Tulpenfeld to the building of DIE at Tulpenfeld 6.

The buses No. 610 and 611 run from the train station Bonn *Hauptbahnhof* to the bus stop "Heussallee/Museumsmeile". Turn onto the footpath towards the office complex 'Tulpenfeld'. Follow the signs across Tulpenfeld to the building of DIE at Tulpenfeld 6.

