

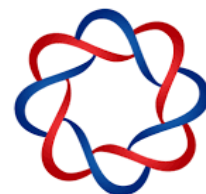
Sustainable Cities and Renewable Energy in the MENA region

Franziska Wehinger



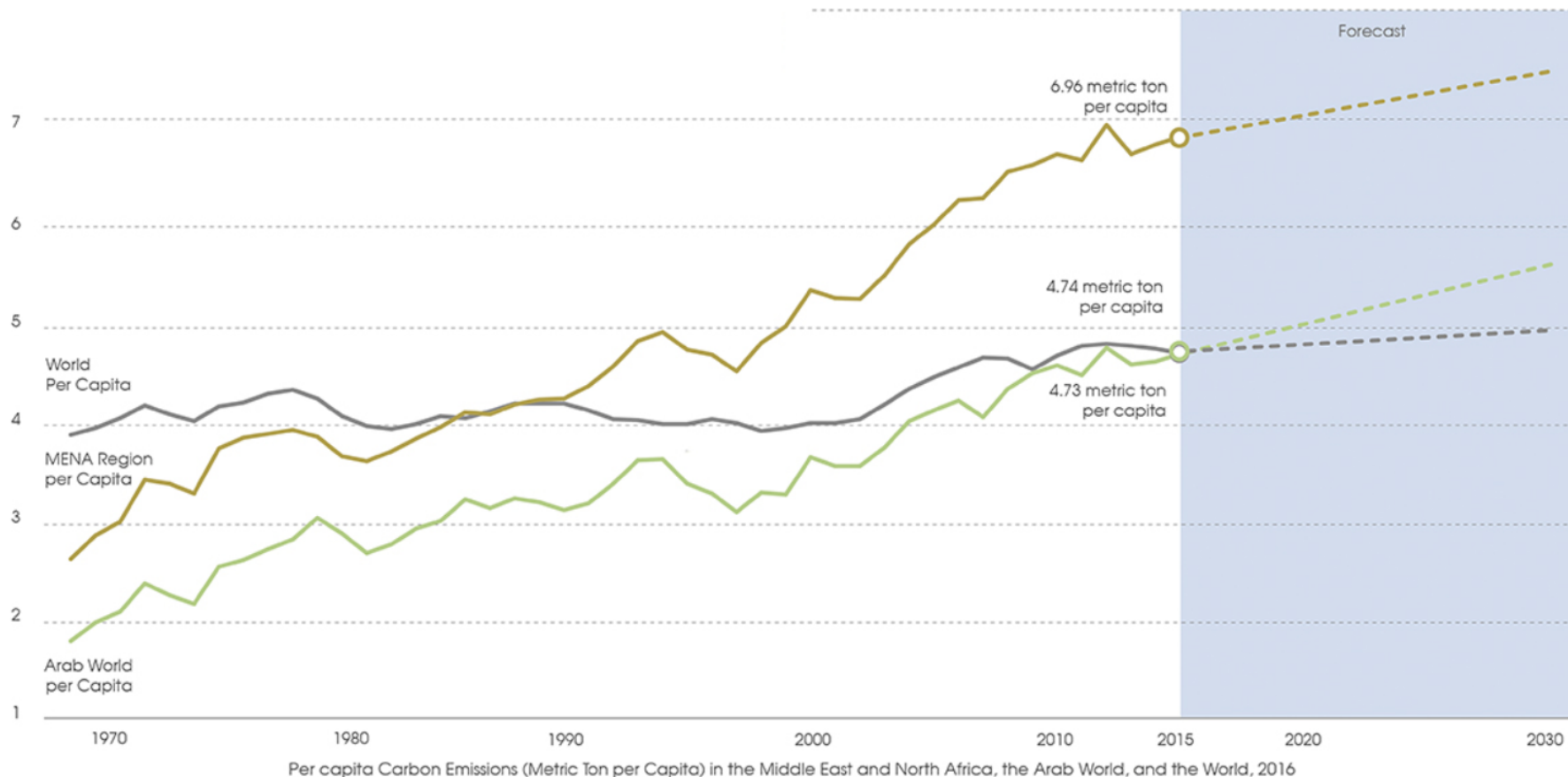
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Per capita emissions



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Infographics by Carboun



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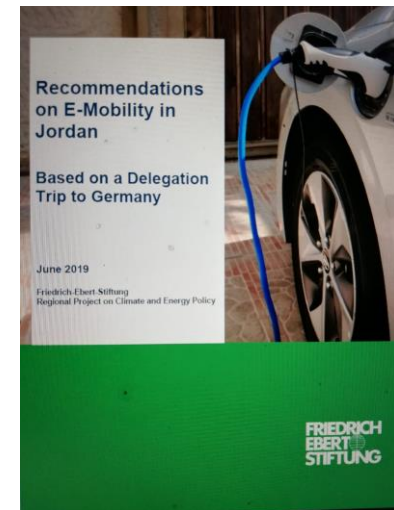
RE deployment in MENA cities

- RE in cities less developed than on land (and even water – UAE)
- Mega solar plants (1-2GW) more popular especially in the Gulf
- RE in cities disrupts energy system (single buyer system)
- Socioeconomic / redistributive effect (consumer → prosumer)
- Transaction costs (more smaller units that need to be connected)
- Huge administrative barriers for residents



Sustainable Cities in MENA: Transport and Building sector

- Transport and buildings: 80% of the emissions in MENA cities
- Beyond RE deployment: EE and energy savings
- Electrification of all sectors:
 - Transport
 - Industry
 - Heating and Cooling



Sustainable Cities in MENA: Buildings in cities

- Building codes exist but not implemented (insulation)
- Solar-water-heater often mandatory, but not implemented
- RE-heating high potential – no policies yet (study)
- Administrative barriers for RE rooftop high
- Recommendations: RE on all new and retrofitted building rooftops in cities (Ex. Barcelona)

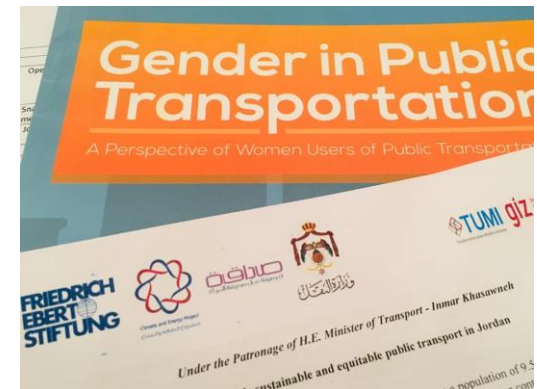


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Sustainable Cities in MENA: Transport in cities

- MENA as a region with least developed public transport
- Better public transport would not only bring greener transport – also more affordable, accessible, gender-equal
- Electric mobility as a trend (customs exemption)

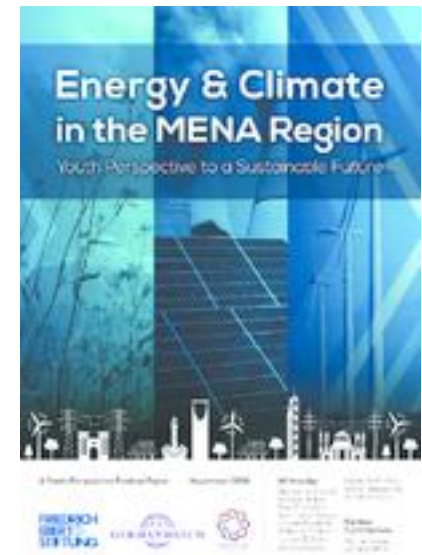




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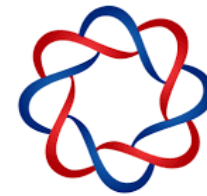
Arab Youth in Cities

- Advocacy for RE
- Opportunity for SMEs and jobs
- More than 40% youth unemployment in some countries
- Knowledge gathering and expertise in technical energy transition
- Paper: Vision of the energy transition in the Arab World



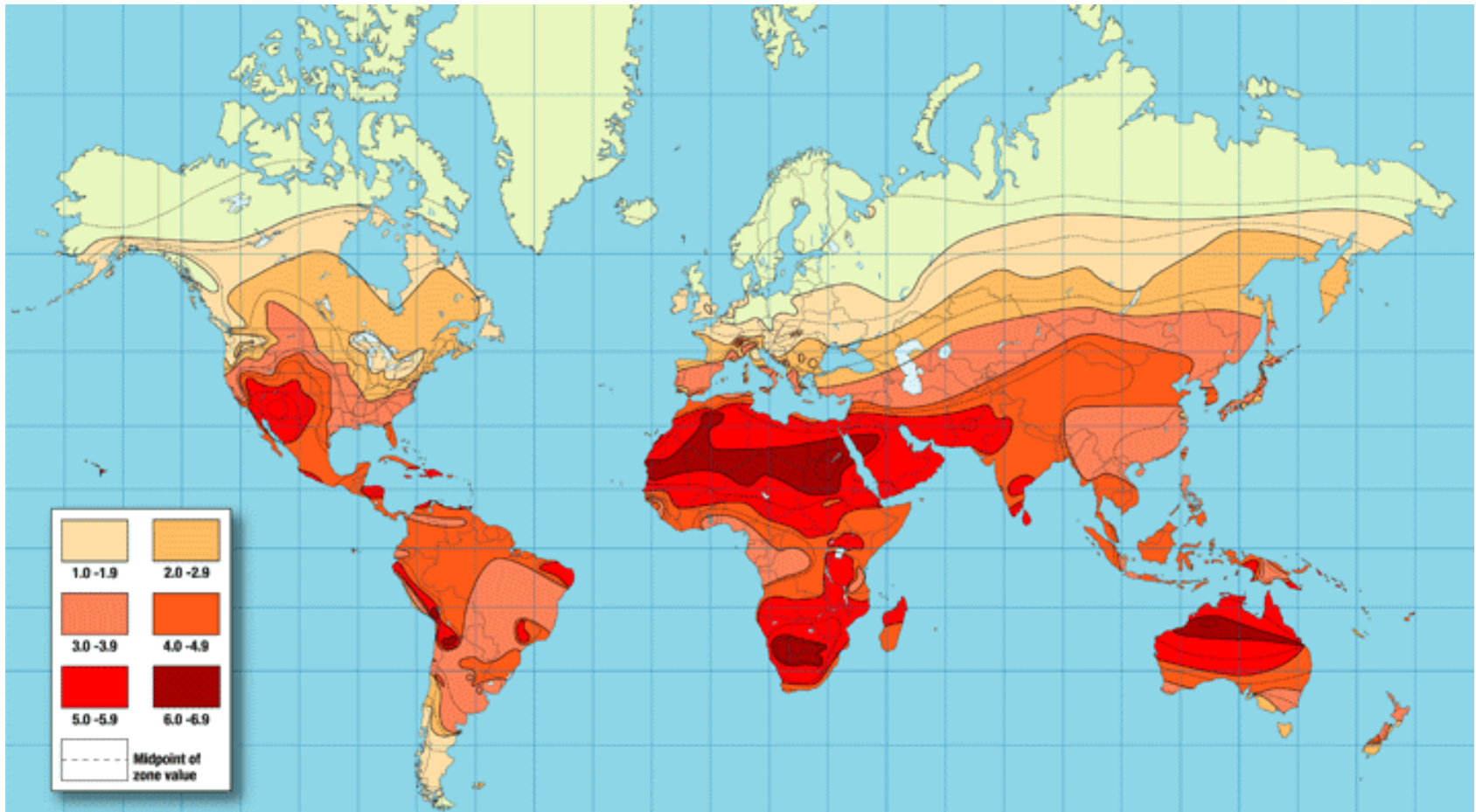
Thank you!

Challenges



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Solar insolation map. Source: altE

COP 25 - Regional Energy and Climate Project
MENA - Franziska Wehinger

Objective 2: Climate Change Diplomacy

Activities:

- Co-founding Climate Action Network Arab World (CAN AW)
- Empower Arab civil society in climate issues

Output:

- Umbrella organization for more than 100 climate NGOs in the Arab World
- Regional organization with democratic governance structures
- Lobby national governments for higher ambitions in climate protection

Success:

- Counterbalance climate policies of the Arab League (Saudi Arabia and Gulf)
- Developing a regional agenda for COP (in 2019 Chile)



Objective 1: Energy Transformation

- Activity: Study on Small Scale Solar Power
- Output: Public discussion with Energy Minister on the study
- Success: Asked to participate in developing the new Energy Strategy for Jordan



Policy-Advising for Germany



Dec. 2018: Briefing for the Federal Environment Minister Svenja Schulze on Arab Civil Society at COP 24 in Katowice.



April 2019: Roundtable for State Secretary Schwarzeluhr-Sutter, Federal Ministry of Environment in Amman.

Regional partner organisations

