

Transitioning to a Low- Carbon Economy الدولي السادس للبيئة in the Era of Sustainable Development- Ajman 6th International Why Developing Countries Struggling?

Ajman 6th International **Environment Conference**

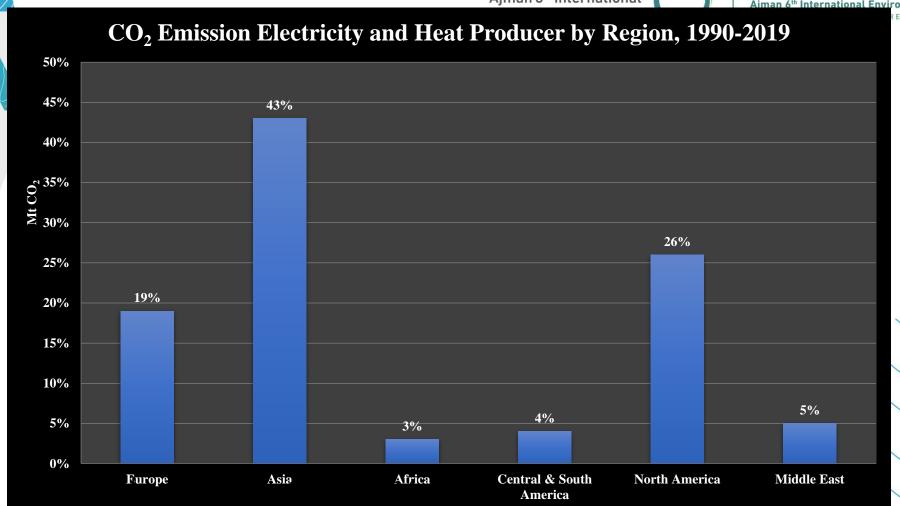
Invited Speaker: Towards 2071 Shaping the Future for Environment Sustainability, 28th -29th March, 2022 Sheikh Zayed Centre for Conferences and Exhibitions Ajman University – Ajman, UAE

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Who has contributed most to global CO2 emissions مؤتمرع جمان الدولي السادس للبيئة AIEC2022



Source: Authors calculation based on IEA data



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SCIENCE, TECHNOLOGY, AND INNOVATION FOR MEETING SDGS

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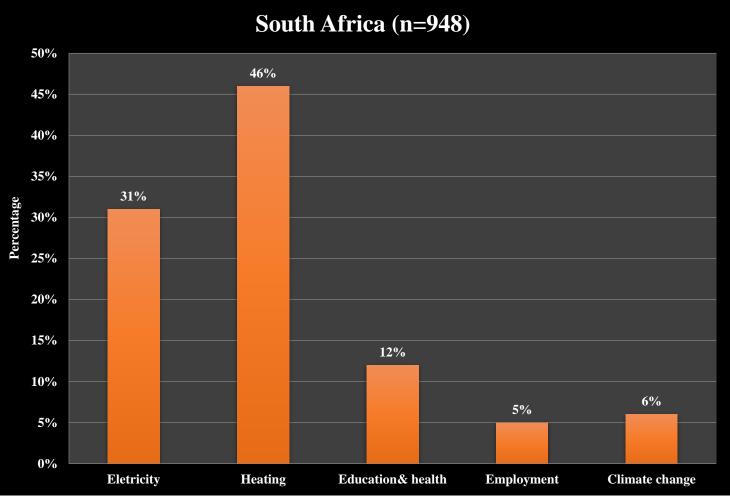
Ademola A. Adenle, Marian R. Chertow, Ellen H.M. Moors, and David J. Pannell



مــؤتــمــر عــجـمـــان الحولي السادس للبيئة

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Source: Percentage of benefits observed on solar activities in South Africa.

Adenle, Chertow, Moore and Pannell, Oxford University Press, 2020



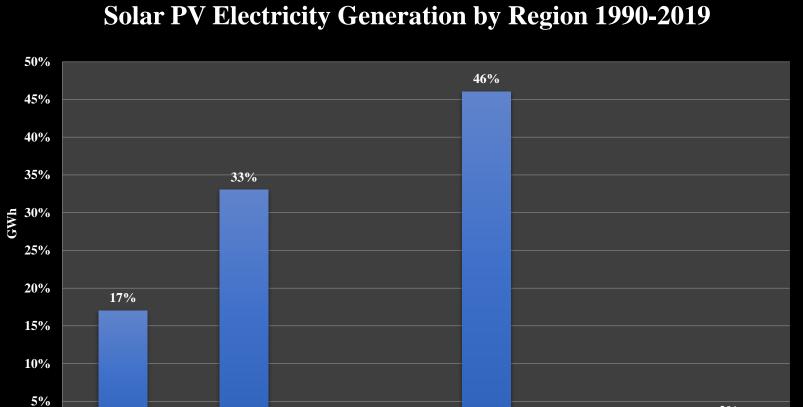


2%

Central & South America

1%

Sub-Sahara Africa



1%

Middle East

Asia

Source: Authors calculation based on IEA data

North America

Europe

0%



مـــؤتــمـــر عــجــمـــــان الـدولي السادس للبيئـة Ajman 6th International Environment Conference



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Economic barrier

Technical barrier

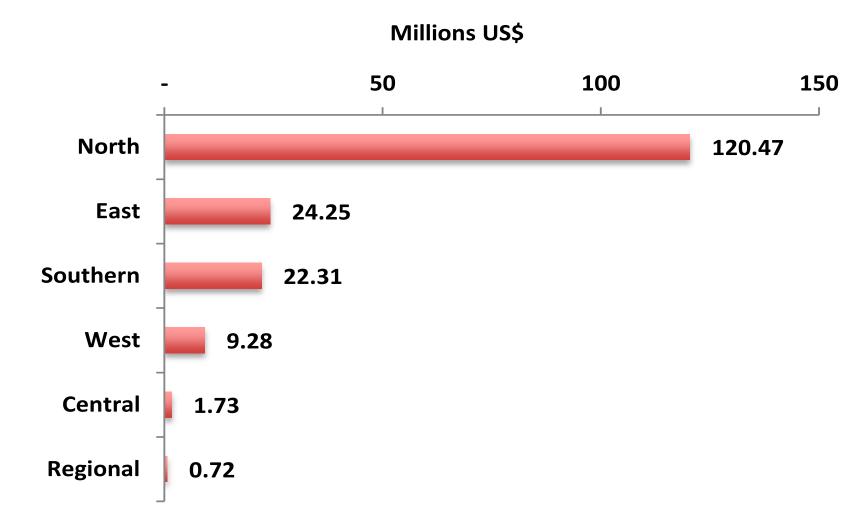
Solar Energy barriers

Political barrier

Social barrier



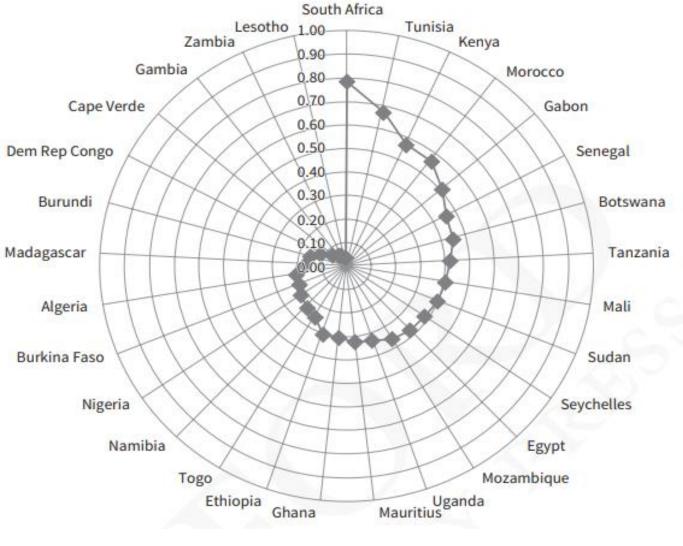


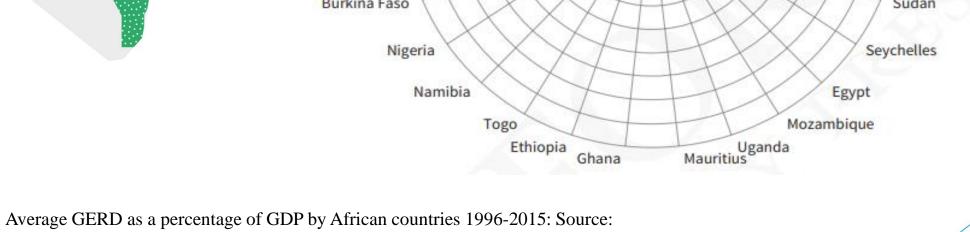


Total Global Environment Facility financing for solar energy projects in Africa by region between 1992 and 2017. Source: Adenle, 2020, Energy Policy









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International Climate Change Negotiations and important events

Year, Location	Outcome
1992, Rio de Janeiro	UN Framework Convention on Climate Change (UNFCCC). Countries agree to reduce emissions with "common but differentiated responsibilities."
1995, Berlin	The first annual Conference of the Parties to the framework, known as a COP. U.S. agrees to exempt developing countries from binding obligations.
1997, Kyoto	
	At the third Conference of the Parties (COP-3) the Kyoto Protocol is approved, mandating developed countries to cut greenhouse gas emissions relative to baseline emissions by 2008-2012 period.
2001, Bonn	(COP-6) reaches agreement on terms for compliance and financing. Bush administration rejects the Kyoto Protocol; U.S. is only an observer at the talks.
2009, Copenhagen	
	COP-15 fails to produce a binding post-Kyoto agreement, but declares the importance of limiting warming to under 2°C. Developed countries pledge \$100 billion in climate aid to developing countries.
2011, Durban	(COP-17) participating countries agreed to adopt a universal legal agreement on climate change as soon as possible, and no later than 2015, to take effect by 2020.
2015, Paris	COP-21 195 nations sign the Paris Agreement, providing for worldwide voluntary actions: Nationally Determined Conditions (NDC) by individual countries.

