

## STEP0004: Clean Energy and Development:

View Online



- 
1.  
Fuso Nerini F, Tomei J, To LS, Bisaga I, Parikh P, Black M, Borrion A, Spataru C, Castán Broto V, Anandarajah G, Milligan B, Mulugetta Y. Mapping synergies and trade-offs between energy and the Sustainable Development Goals. *Nature Energy*. 2017 Nov 20;
  
  2.  
Emissions Gap Report | UN Environment [Internet]. Available from:  
<https://www.unenvironment.org/resources/emissions-gap-report>
  
  3.  
Casillas, Christian E., Kammen, Daniel M. The energy-poverty-climate nexus. *Science* [Internet]. 2010;330. Available from:  
<http://beahrsefp.berkeley.edu/wp-content/uploads/CasillasKammen-EnergyPoverty-Climate-SCIENCE-11-26-2010.pdf>
  
  4.  
Introducing Sustainable Development Goals - YouTube [Internet]. Available from:  
[https://www.youtube.com/watch?v=vw5flPS\\_kK8](https://www.youtube.com/watch?v=vw5flPS_kK8)
  
  5.  
Levin T, Thomas VM. Can developing countries leapfrog the centralized electrification paradigm? *Energy for Sustainable Development*. 2016 Apr;31:97–107.
  
  - 6.

Schwerhoff G, Sy M. Financing renewable energy in Africa – Key challenge of the sustainable development goals. *Renewable and Sustainable Energy Reviews*. 2017 Aug;75:393–401.

7.

Global Warming of 1.5oC | IPCC Special Report (2018) Summary for Policymakers [Internet]. Available from: [https://report.ipcc.ch/sr15/pdf/sr15\\_spm\\_final.pdf](https://report.ipcc.ch/sr15/pdf/sr15_spm_final.pdf)

8.

Bridging the emissions gap - The role of non-state and subnational actors | UN Environment (2018) [Internet]. Available from: [https://wedocs.unep.org/bitstream/handle/20.500.11822/26093/NonState\\_Emissions\\_Gap.pdf?isAllowed=y&sequence=1](https://wedocs.unep.org/bitstream/handle/20.500.11822/26093/NonState_Emissions_Gap.pdf?isAllowed=y&sequence=1)

9.

BRADSHAW MJ. Global energy dilemmas: a geographical perspective. *Geographical Journal*. 2010 Dec;176(4):275–290.

10.

Solomon BD, Krishna K. The coming sustainable energy transition: History, strategies, and outlook. *Energy Policy*. 2011 Nov;39(11):7422–7431.

11.

McGlade C, Ekins P. The geographical distribution of fossil fuels unused when limiting global warming to 2 °C. *Nature*. 2015 Jan 7;517(7533):187–190.

12.

Araújo K. The emerging field of energy transitions: Progress, challenges, and opportunities. *Energy Research & Social Science*. 2014 Mar;1:112–121.

13.

Newell P, Bulkeley H. Landscape for change? International climate policy and energy transitions: evidence from sub-Saharan Africa. *Climate Policy*. 2017 Jul 4;17(5):650–663.

14.

Energy Transitions (The Pardee Papers/No. 12/November 2010) [Internet]. Available from: <https://www.bu.edu/pardee/files/2010/11/12-PP-Nov2010.pdf>

15.

Seto KC, Davis SJ, Mitchell RB, Stokes EC, Unruh G, Ürge-Vorsatz D. Carbon Lock-In: Types, Causes, and Policy Implications. *Annual Review of Environment and Resources*. 2016 Nov;41(1):425–452.

16.

Geels FW. Disruption and low-carbon system transformation: Progress and new challenges in socio-technical transitions research and the Multi-Level Perspective. *Energy Research & Social Science*. 2018 Mar;37:224–231.

17.

Ellabban O, Abu-Rub H, Blaabjerg F. Renewable energy resources: Current status, future prospects and their enabling technology. *Renewable and Sustainable Energy Reviews*. 2014 Nov;39:748–764.

18.

Welsch M, Bazilian M, Howells M, Divan D, Elzinga D, Strbac G, Jones L, Keane A, Gielen D, Balijepalli VSKM, Brew-Hammond A, Yumkella K. Smart and Just Grids for sub-Saharan Africa: Exploring options. *Renewable and Sustainable Energy Reviews*. 2013 Apr;20:336–352.

19.

Alstone P, Gershenson D, Kammen DM. Decentralized energy systems for clean electricity access. *Nature Climate Change*. 2015 Apr;5(4):305–314.

20.

Yekini Suberu M, Wazir Mustafa M, Bashir N. Energy storage systems for renewable energy power sector integration and mitigation of intermittency. *Renewable and Sustainable Energy Reviews*. 2014 Jul;35:499–514.

21.

Boyle, Godfrey. *Renewable Energy: Power for a Sustainable Future*. 3rd ed. Oxford University Press; 2012.

22.

IEA. *Technology Roadmap: Solar photovoltaic energy* [Internet]. IEA; 2014. Available from: [http://www.iea.org/publications/freepublications/publication/pv\\_roadmap.pdf](http://www.iea.org/publications/freepublications/publication/pv_roadmap.pdf)

23.

van der Kroon B, Brouwer R, van Beukering PJH. The energy ladder: Theoretical myth or empirical truth? Results from a meta-analysis. *Renewable and Sustainable Energy Reviews*. 2013 Apr;20:504–513.

24.

Bazilian M, Nussbaumer P, Eibs-Singer C, Brew-Hammond A, Modi V, Sovacool B, Ramana V, Aqrabi PK. Improving Access to Modern Energy Services: Insights from Case Studies. *The Electricity Journal*. 2012 Jan;25(1):93–114.

25.

Powering a Home with Just 25 Watts of Solar PV: SuperEfficient Appliances Can Enable Expanded Off-Grid Energy Service Using Small Solar Power Systems [Internet]. Available from: <http://www.cleanenergyministerial.org/Portals/2/pdfs/GlobalLEAP-PoweringAHome.pdf>

26.

Baker L, Newell P, Phillips J. The Political Economy of Energy Transitions: The Case of South Africa. *New Political Economy*. 2014 Nov 2;19(6):791–818.

27.

White W, Lunnan A, Nybakk E, Kulisic B. The role of governments in renewable energy: The importance of policy consistency. *Biomass and Bioenergy*. 2013 Oct;57:97–105.

28.

Gabriel CA. What is challenging renewable energy entrepreneurs in developing countries? *Renewable and Sustainable Energy Reviews*. 2016 Oct;64:362–371.

29.

Eberhard A, Gratwick K, Morella E, Antmann P. Independent Power Projects in Sub-Saharan Africa: Investment trends and policy lessons. *Energy Policy*. 2017 Sep;108:390–424.

30.

James H. Williams and Navroz K. Dubash. Asian Electricity Reform in Historical Perspective. *Pacific Affairs* [Internet]. Pacific Affairs, University of British Columbia; 2004;77(3):411–436. Available from: [http://www.jstor.org.libproxy.ucl.ac.uk/stable/40022909?seq=1#page\\_scan\\_tab\\_contents](http://www.jstor.org.libproxy.ucl.ac.uk/stable/40022909?seq=1#page_scan_tab_contents)

31.

Rieger, Stephanie. GET FiT Uganda: PPIAF Short Story Competition [Internet]. PPIAF, World Bank Group; 2015. Available from: [https://library.pppknowledgelab.org/PPIAF/documents/3179?ref\\_site=ppiaf](https://library.pppknowledgelab.org/PPIAF/documents/3179?ref_site=ppiaf)

32.

REN21. Renewables 2016 Global Status Report [Internet]. Available from: <http://www.ren21.net/gsr-online/>

33.

Morris, Mike, Martin, Lucy. Political Economy of Climate-relevant Policies: the Case of Renewable Energy in South Africa [Internet]. IDS/University of Cape Town; 2015. Available

from:

[https://opendocs.ids.ac.uk/opendocs/bitstream/handle/123456789/5986/ER128\\_PoliticalEconomyofClimaterelaventChangePoliciesofRenewableEnergyinSouthAfrica.pdf?sequence=6](https://opendocs.ids.ac.uk/opendocs/bitstream/handle/123456789/5986/ER128_PoliticalEconomyofClimaterelaventChangePoliciesofRenewableEnergyinSouthAfrica.pdf?sequence=6)

34.

Shen W, Power M. Africa and the export of China's clean energy revolution. *Third World Quarterly*. 2017 Mar 4;38(3):678–697.

35.

Burke MJ, Stephens JC. Political power and renewable energy futures: A critical review. *Energy Research & Social Science*. 2018 Jan;35:78–93.

36.

Urpelainen J. Grid and off-grid electrification: An integrated model with applications to India. *Energy for Sustainable Development*. 2014 Apr;19:66–71.

37.

Edenhofer O, Pichs-Madruga R, Sokona Y, Seyboth K, Matschoss P, Kadner S, Zwickel T, Eickemeier P, Hansen G, Schlomer S, von Stechow C, editors. *Renewable Energy Sources and Climate Change Mitigation* [Internet]. Cambridge: Cambridge University Press; 2011. Available from: <http://ebooks.cambridge.org/ref/id/CBO9781139151153>

38.

MacCarty NA, Bryden KM. An integrated systems model for energy services in rural developing communities. *Energy*. 2016 Oct;113:536–557.

39.

Szabó S, Bódis K, Huld T, Moner-Girona M. Sustainable energy planning: Leapfrogging the energy poverty gap in Africa. *Renewable and Sustainable Energy Reviews*. 2013 Dec;28:500–509.

40.

Navroz K. Dubash. The Electricity-Groundwater Conundrum: Case for a Political Solution to a Political Problem. *Economic and Political Weekly* [Internet]. *Economic and Political Weekly*; 2008;42(52):45-55. Available from: [http://www.jstor.org.libproxy.ucl.ac.uk/stable/40277126?seq=1#page\\_scan\\_tab\\_contents](http://www.jstor.org.libproxy.ucl.ac.uk/stable/40277126?seq=1#page_scan_tab_contents)

41.

Ubels, Jan, Fowler, Alan. Chapter 1: The Multi-faceted Nature of Capacity: Two Leading Frameworks. *Capacity Development in Practice* [Internet]. Earthscan; 2010. Available from: [http://snv-website-2015.live.dpdk.com/public/cms/sites/default/files/explore/download/capacity\\_development\\_in\\_practice.pdf](http://snv-website-2015.live.dpdk.com/public/cms/sites/default/files/explore/download/capacity_development_in_practice.pdf)

42.

Technology Needs Assessments. Summary of country priorities (2015-2018) | UNEP-DTU & UNFCCC Secretariat [Internet]. Available from: [https://unfccc.int/ttclear/misc\\_/StaticFiles/gnwoerk\\_static/TNA\\_key\\_doc/137ce42be33c4341a9b9e6679f7f8539/4a057ad243164ac6bbaa62bcb96bc39a.pdf](https://unfccc.int/ttclear/misc_/StaticFiles/gnwoerk_static/TNA_key_doc/137ce42be33c4341a9b9e6679f7f8539/4a057ad243164ac6bbaa62bcb96bc39a.pdf)

43.

Online Tool and Database Analyze NDC-SDG Links | News | SDG Knowledge Hub | IISD [Internet]. Available from: <http://sdg.iisd.org/news/online-tool-and-database-analyze-ndc-sdg-links/>

44.

Gabriel CA, Kirkwood J. Business models for model businesses: Lessons from renewable energy entrepreneurs in developing countries. *Energy Policy*. 2016 Aug;95:336-349.

45.

Knuckles J. Business models for mini-grid electricity in base of the pyramid markets. *Energy for Sustainable Development*. 2016 Apr;31:67-82.

46.

HUYBRECHTS B, MERTENS S. THE RELEVANCE OF THE COOPERATIVE MODEL IN THE FIELD OF RENEWABLE ENERGY. *Annals of Public and Cooperative Economics*. 2014 Jun;85(2):193–212.

47.

Rehman IH, Sreekumar A, Gill B, Worrell E. Accelerating access to energy services: Way forward. *Advances in Climate Change Research*. 2017 Mar;8(1):57–61.

48.

Africa Progress Panel. Power people planet: seizing Africa's energy and climate opportunities : Africa progress report 2015 [Internet]. Africa Progress Panel; 2015. Available from: <http://www.africaprogresspanel.org/publications/policy-papers/2015-africa-progress-report/>

49.

Byrne, R., Ockwell, D., Urama, K., Ozor, N., Kirumba, E., Ely, A., Becker, S., Gollwitzer, L. Sustainable energy for whom? Governing pro-poor, low carbon pathways to development: Lessons from solar PV in Kenya [Internet]. STEPS Centre; 2014. Available from: <http://steps-centre.org/wp-content/uploads/Energy-Access-online.pdf>

50.

Nygaard I, Hansen UE, Mackenzie G, Pedersen MB. Measures for diffusion of solar PV in selected African countries. *International Journal of Sustainable Energy*. 2017 Aug 9;36(7):707–721.

51.

Mazzucato M, Semieniuk G. Financing renewable energy: Who is financing what and why it matters. *Technological Forecasting and Social Change*. 2018 Feb;127:8–22.

52.

Li K, Liu G, Shrestha A, Martek I, Zhang X. The role of local private participation in China's transition to domestically developed renewable energy technologies. *Journal of Cleaner Production*. 2018 Feb;173:217–224.



53.

Schwerhoff G, Sy M. Financing renewable energy in Africa – Key challenge of the sustainable development goals. *Renewable and Sustainable Energy Reviews*. 2017 Aug;75:393–401.

54.

A. E, J. K, J. L. South Africa's Renewable Energy IPP Procurement Programmes: Success Factors and Lessons [Internet]. Washington DC: The World Bank Group; Available from: <http://www.gsb.uct.ac.za/files/PPIAFReport.pdf>

55.

Purdon M. Opening the Black Box of Carbon Finance "Additionalty": The Political Economy of Carbon Finance Effectiveness across Tanzania, Uganda, and Moldova. *World Development*. 2015 Oct;74:462–478.

56.

Portfolio dashboard | Green Climate Fund [Internet]. Available from: <https://www.greenclimate.fund/what-we-do/portfolio-dashboard>

57.

Scott, Andrew, Greenhill, Romilly. Turning the lights on: sustainable energy and development in Viet Nam [Internet]. Overseas Development Institute; 2014. Available from: <http://www.odi.org/publications/8798-turning-lights-sustainable-energy-development-viet-nam>

58.

Bhattacharyya SC, Ohiare S. The Chinese electricity access model for rural electrification: Approach, experience and lessons for others. *Energy Policy*. 2012 Oct;49:676–687.

59.

Making Renewable Energy a Success in Bangladesh: Getting the Business Model Right [Internet]. Available from: <https://www.adb.org/sites/default/files/publication/177814/ban-making-renewable-energy-success.pdf>

60.

Renewable Energy Market Analysis. Latin America | IRENA (2016) [Internet]. Available from: [http://www.irena.org/documentdownloads/publications/irena\\_market\\_analysis\\_latina\\_2016.pdf](http://www.irena.org/documentdownloads/publications/irena_market_analysis_latina_2016.pdf)

61.

Chile's renewable energy potential promises multiple benefits for the country [Internet]. Available from: <https://www.iea.org/newsroom/news/2018/january/chiles-renewable-energy-potential-promises-multiple-benefits-for-the-country-ac.html>

62.

Banal-Estañol A, Calzada J, Jordana J. How to achieve full electrification: Lessons from Latin America. *Energy Policy*. 2017 Sep;108:55–69.

63.

Abdmouleh Z, Alammari RAM, Gastli A. Review of policies encouraging renewable energy integration & best practices. *Renewable and Sustainable Energy Reviews*. 2015 May;45:249–262.

64.

Brass JN, Carley S, MacLean LM, Baldwin E. Power for Development: A Review of Distributed Generation Projects in the Developing World. *Annual Review of Environment and Resources*. 2012 Nov 21;37(1):107–136.

65.

Holtorf H, Urmee T, Calais M, Pryor T. A model to evaluate the success of Solar Home Systems. *Renewable and Sustainable Energy Reviews*. 2015 Oct;50:245–255.