



Climate Adaptation: Suggested Reading

June 2020

This monthly reading list is divided into four themes:

1. Ecosystem-based Adaptation
2. National Adaptation Plans
3. Early Warning Climate Forecasting
4. Covid-19 & Adaptation

Disclaimer: The views expressed in these publications do not necessarily reflect the opinions or views of the Global Adaptation Network.

1. Ecosystem-based Adaptation

News & Media:

Title	Published by	Link
Six ways nature can protect us from climate change	UNEP	https://www.unenvironment.org/news-and-stories/story/six-ways-nature-can-protect-us-climate-change
Video: What is ecosystem-based adaptation?	UNEP	https://www.youtube.com/watch?v=fhDuqvRk6LY&feature=emb_logo
Video: The Mexican city using forests to fight climate change	UNEP	https://www.youtube.com/watch?v=QyDp1edOako&t=2s
Ecosystem-based adaptation project reduces flood risk in Seychelles	Climate Change News	https://www.climatechangenews.com/2020/06/29/ecosystem-based-adaptation-project-reduces-flood-risk-seychelles/
The African country that inspired more and more countries to plant billions of trees	World Economic Forum	https://www.weforum.org/agenda/2020/06/ethiopia-trees-forests-deforestation-worldwide-climate-change/
Ecosystem-based adaptation keeps water running in Bhojdari even in dry months	Mongabay	https://india.mongabay.com/2020/06/ecosystems-based-adaptation-keeps-water-running-in-bhojdari-even-in-dry-months/

Scientific & Technical Publications:

Title	Published by	Link
Factsheet: Ecosystem-based adaptation in Madagascar 2014-2020	<i>UNEP</i>	https://wedocs.unep.org/bitstream/handle/20.500.11822/32856/Ebam.pdf?sequence=1&isAllowed=y
Adaptation to climate change in agriculture: Ecosystem-based options	<i>Engineering for Rural Development</i>	http://tf.llu.lv/conference/proceedings2020/Papers/TF523.pdf
Policy innovation for Nature-based Solutions in the Disaster Risk Reduction sector	<i>Policy Business Forum</i>	http://pure.iiasa.ac.at/id/eprint/16516/1/PBF1_Synthesis.pdf
Mangrove Ecosystem-based Adaptation: Advice on Improved Success	<i>Human Ecology</i>	https://www.checinternational.org/wp-content/uploads/2020/06/Journal-30-Mangroves.pdf#page=37
Global hotspots for coastal ecosystem-based adaptation	<i>PLoS ONE</i>	https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0233005
Ecosystem-based adaptation: effect of shade trees on ecosystem services in coffee plantations (Spanish)	<i>Agronomia Mesoamericana</i>	https://www.scielo.sa.cr/scielo.php?pid=S1659-13212020000200499&script=sci_arttext&tlng=en

2. National Adaptation Plans

News & Media:

Title	Published by	Link
‘COVID-19 is a wake-up call’: Ghana to develop national plan for climate adaptation	<i>UNEP</i>	https://www.unenvironment.org/news-and-stories/press-release/covid-19-wake-call-ghana-develop-national-plan-climate-adaptation
GWP supports Zambia in USD 2 million grant for its National Adaptation Plan	<i>Global Water Partnership</i>	https://www.gwp.org/en/About/more/news/2020/gwp-supports-zambia-in-usd-2-million-grant-for-its-national-adaptation-plan/
Kyrgyzstan will prepare the climate change adaptation plan to reduce vulnerability and build resilience	<i>UNDP</i>	https://www.kg.undp.org/content/kyrgyzstan/en/home/presscenter/pressreleases/2020/06/national-adaptation-plan-kyrgyzstan.html



Enhancing Support for LDCs for Climate Action	<i>UNFCCC</i>	http://napexpo.org/napblogger/our_blog/enhancing-support-for-ldcs-for-climate-action/
--	---------------	---

Scientific & Technical Publications:

Title	Published by	Link
National Adaptation Plans – An entry point for ecosystem-based adaptation	<i>UNDP-FAO</i>	http://www.fao.org/3/ca9541en/ca9541en.pdf
Suriname National Adaptation Plan	<i>UNFCCC</i>	https://www4.unfccc.int/sites/NA PC/Documents/Parties/Surinam_e_Final_NAP_apr_2020.pdf
A Framework for Gender-Responsive National Adaptation Plan (NAP) Processes	<i>IISD</i>	https://iisd.org/library/framework-gender-responsive-national-adaptation-plan-nap-processes
Toolkit for Engaging the Private Sector in National Adaptation Plans (NAPs)	<i>NAP Global Network</i>	http://napglobalnetwork.org/wp-content/uploads/2020/06/napgn-en-2020-Toolkit-for-engaging-the-private-sector-in-NAPs.pdf

3. Early Warning Climate Forecasting

News & Media:

Title	Published by	Link
Advanced cyclone forecasting is leading to early action – and it’s saving thousands of lives	<i>The Conversation</i>	https://theconversation.com/advanced-cyclone-forecasting-is-leading-to-early-action-and-its-saving-thousands-of-lives-139699
IFLOWS-Mumbai: How it works, and how it will benefit the Maximum City	<i>Indian Express</i>	https://indianexpress.com/article/explained/explained-what-is-iflows-mumbai-and-how-will-it-benefit-the-maximum-city6455840/
Leverage improved forecast to deal with disasters	<i>Mongabay</i>	https://india.mongabay.com/2020/06/leverage-improved-forecast-to-deal-with-disasters/

Financing increased for early warning systems in Small Island Developing States	WMO	https://public.wmo.int/en/media/news/financing-increased-early-warning-systems-small-island-developing-states
Malaysian flood forecasting to save more lives	GISuser	https://gisuser.com/2020/06/malaysian-flood-forecasting-to-save-more-lives/

Scientific & Technical Publications:

Title	Published by	Link
Discussion of “New Flood Early Warning and Forecasting Method Based on Similarity Theory”	<i>Journal of Hydrologic Engineering</i>	https://ascelibrary.org/doi/full/10.1061/%28ASCE%29HE.1943-5584.0001961
Application of artificial neural network for forecasting standardized precipitation and evapotranspiration index: A case study of Nigeria	<i>Engineering Reports</i>	https://onlinelibrary.wiley.com/doi/full/10.1002/eng2.12194
Research and Design of Meteorological Disaster Early Warning System for Power Grid Based on Big Data Technology (paywall)	2020 AEEES	https://ieeexplore.ieee.org/abstract/document/9121375
Advances in Hydrologic Forecasts and Water Resources Management	<i>Water</i>	https://www.mdpi.com/2073-4441/12/6/1819/htm
Chapter 13: Weather forecasting and communication in the Upper Great Ruaha Catchment Area	CAB International	https://books.google.fr/books?hl=en&lr=&id=UDvqDwAAQBAJ&oi=fnd&pg=PA217&dq=climate+forecasting&ots=8H15IkPIRl&sig=vBaU1SGj8WdgROms4DBW0jF7Mj8&redir_esc=y#v=onepage&q=climate%20forecasting&f=false

4. Covid-19 & Adaptation

News & Media:

Title	Published by	Link
‘COVID-19 is a wake-up call’: Ghana to develop national plan for climate adaptation	<i>UNEP</i>	https://www.unenvironment.org/news-and-stories/press-release/covid-19-wake-call-ghana-develop-national-plan-climate-adaptation
How cities can add accessible green space in a post-coronavirus world	<i>Phys.org</i>	https://phys.org/news/2020-06-cities-accessible-green-space-post-coronavirus.html
Now is the time to climate-and-pandemic-proof our food systems	<i>Climate Change News</i>	https://www.climatechangenews.com/2020/06/01/now-time-climate-pandemic-proof-food-systems/
Acting early in a time of pandemic: the challenge of being ready for extreme weather during Covid-19	<i>Red Cross Climate Centre</i>	https://www.climatecentre.org/news/1295/acting-early-in-a-time-of-pandemic-the-challenge-of-being-ready-for-extreme-weather-during-covid-19
What Can a Pandemic Teach Us About Climate Change?	<i>Resilience</i>	https://www.resilience.org/stories/2020-06-26/what-can-a-pandemic-teach-us-about-climate-change/
COVID-19’s Long-Term Effects on Climate Change—For Better or Worse	<i>State of the Planet</i>	https://blogs.ei.columbia.edu/2020/06/25/covid-19-impacts-climate-change/
Despite the pandemic, frontline nations push ahead on stronger climate plans	<i>Reuters</i>	https://www.reuters.com/article/us-climate-change-politics-trfn/despite-the-pandemic-frontline-nations-push-ahead-on-stronger-climate-plans-idUSKBN23B3B7

Scientific & Technical Publications:

Title	Published by	Link
Integrated responses to building climate and pandemic resilience in Africa	<i>Global Center on Adaptation</i>	https://cdn.gca.org/assets/2020-05/GCA-AAI_Policy_Brief.pdf

<p>Policy Imperatives to Promote Urban Agriculture in Response to COVID-19 Pandemic Among Local Government Units in the Philippines</p>	<p><i>Policy Papers</i> Vol. 2020</p>	<p>https://www.searca.org/pubs/briefs-notes?pid=473</p>
<p>Monsoon, floods and COVID-19: building community resilience in Bangladesh</p>	<p>ZFRA</p>	<p>http://repo.floodalliance.net/jspui/handle/44111/3563</p>
<p>Lessons from COVID-19 and opportunities for achieving SDG13: Climate Action</p>	<p><i>World Food Programme</i></p>	<p>https://www.researchgate.net/publication/342170347_LESSONS_FROM_COVID-19_AND_OPPORTUNITIES_FOR_ACHIEVING_SDG_13_CLIMATE_ACTION</p>
<p>Early Warnings: The Lessons of COVID-19 for Public Health Climate Preparedness</p>	<p><i>International Journal of Health Services</i></p>	<p>https://journals.sagepub.com/doi/full/10.1177/0020731420928971</p>