

NAVIGATING THE CLIMATE FINANCE LANDSCAPE: KEY READINGS AND RESOURCES

This document contains a curated set of links to blog posts, news articles and reports that we found useful to onboard colleagues into the evolving space where climate action meets inclusive fintech. We hope it is also useful to you and don't hesitate to make comments to make it even better!

I. Reading List on Climate Action

#ClimateChange

- [The World Bank Group's Country Climate and Development Reports \(CCDRs\)](#), new core diagnostic reports that integrate climate change and development considerations, July 2022.
- [CDC Emerging Economies Climate Report 2021](#), British International Investment.
- [How to Avoid a Climate Disaster: The Solutions We Have and the Breakthroughs We Need](#), this book by Bill Gates is an excellent intro to Climate Change, challenges, and what we can do about it- good read to grasp climate change before diving deeper into Climate Resilience, Bill Gates, February 2021.
- [The Role of Digital Solutions in Addressing Climate Change](#). A report from the GSMA on the uses of mobile technologies to foster resilience, February 2021
- [Eradicating 'extreme poverty would raise global emissions by less than 1% - Carbon Brief](#), February 2022.
- [USAID's Climate Strategy from 2022](#)
- [USAID Climate Strategy 2022-2030](#)

#ClimateJustice

#ClimateResilience and #ClimateAdaptation

- [Adapt Now: A Global Call for Leadership on Climate Resilience](#), Global Commission on Adaptation, 2019
- [Climate Adaptation Knowledge Exchange](#)
- [How Can a Climate-Resilient Future Address Inequality?](#) A Times Virtual Event, The New York Times, May 2022
- [Building Climate Resilience, What Can FSPs Do?](#), FInDevGateway, June 2022
- [Stories from End Users and Climate Resilience](#), BFA Global, October 2021
- [A Blueprint for Digital Climate-Informed Advisory Services](#) (WRI), July 2021

- [How Financial Services can Help the Poor in the Climate Transition:](#) CGAP's post and report describe their take on climate change. Lots of literature links for more in-depth reviews, December 2020.
- [Fintech can Help Fill Climate Resilience Gaps](#), September 2021
- [A billion of the world's most climate-vulnerable people live in informal settlements – here's what they face](#); The Conversation, March 2022
- [Catalyst Fund's Roundtable for Investors](#) - several concrete examples of startups working on fintech for resilience, June 2022
- <https://www.nytimes.com/2022/05/25/climate/climate-new-york-times-event.html>
- [Can you reach net zero by 2050?](#), The Financial Times, A game.
- CPI's report on [State and Trends in Climate Adaptation Finance 2023](#)

#AfricanAdaptation

- [State and Trends in Adaptation Report 2021](#), Global Center on Adaptation

- [Africa Adaptation Acceleration Program](#), Global Center on Adaptation
- [Foresight Africa: Top Priorities for the Continent in 2022](#), Brookings Institute, pp. 66-81
- [Regenerative Agriculture: An opportunity for businesses and society to restore degraded land in Africa](#), 2021
- [Section 1 Economics and Finance: Jobs](#) Global Center on Adaptation

#ClimateTools for #Investors and #ServiceProviders

- [Investor Climate Action Plans](#), CDP, 2022
- [Net Zero Financial Service Providers Alliance](#)

#ClimateFinance

- CGAP's [Climate Adaptation, Resilience, and Financial Inclusion: A New Agenda](#)
- Center for Financial Inclusion, [Exploring the Intersection of Climate Shocks and Financial Inclusion, Feb 2023](#)
- [HOW CAN FINANCE HELP ADDRESS OUR DUAL CLIMATE AND NATURE CRISES?](#) This discussion paper explores the importance of nature in addressing climate change and the role of finance in supporting a nature-positive and net-zero economy. This is a critical issue to ensure finance can make a meaningful and proportional contribution to supporting the Paris Agreement, FSEG Discussion Paper, November 2021.
- [As PAYGo Moves Beyond Solar, Addressing Risks Can Ensure Impact](#), CGAP, June 2022
- [In an Era of Urgent Climate Risk, Does Financial Inclusion Matter?](#) First Leadership Essay from the new CEO at CGAP, June 2022
- [CPI's Global Landscape of Climate Finance](#) includes encouraging growth in adaptation finance, even if it is still too low compared to mitigation finance, Climate Policy Initiative, December 2021

- [Wealthy countries still haven't met their \\$100 billion pledge to help poor countries face climate change, and the risks are rising](#), The Conversation, February 2022.
- ['Climate entrepreneurs deserve fast capital': Enduring Planet unwraps a new fintech platform](#), TechCrunch, May 2022
- [Blending indexed financial tools for rural households across their journey to prosperity](#), UC Davis, 2022.
- [Adapting to Floods with Guaranteed Credit: Evidence from Bangladesh](#). By Gregory Lane, 2022.
- [Evidence Insight: Strengthening Microfinance Revenues and Growth by Addressing Smallholder Risk](#). by UC Davis and BFA Global, 2023.

#EcosystemDevelopment

- [Learning from Our Past](#): Analysis of past “impact finance” waves and the trajectories they followed so we can learn from them as we seek to accelerate the climate finance ecosystem, BFA Global, October 2021
- [Cross-Cutting Themes for the Emergence of the DF4CR Ecosystem](#): a list of 7 themes and patterns we've observed as we were getting ready to launch DF4CR, BFA Global, October 2021
- **Investment Brief:** [The Opportunity in DF4CR](#). A set of investment theses in the nexus of climate and fintech, BFA Global, Sept 2021
- [Building an Ecosystem: Insights from Industry Leaders](#). A summary of the interviews with 30+ leaders, BFA Global, August 2021
- [Catalyzing an Ecosystem](#): barriers and opportunities for the main stakeholders, June 2021

#Blockchain for Climate

- [What is ReFi - Part I](#): Long but very complete post about mechanisms to leverage blockchain to finance and build a regenerative economy, February 2022
- [Intro to DAOs & Collective Decision Making](#)
- [CIFAR blockchain for climate innovation report](#). Landscape assessment and specific use case analysis of blockchain for climate innovation in emerging markets

#Metrics & Measurement

- [Learning to Navigate Resilience](#) GRP on advances in measuring resilience, August 2021
- [Resilience Measurement Practical Guidance Series](#) from MercyCorps and USAID, 2017

#NatureBasedSolutions

- [Beyond Carbon Credits: A BLUEPRINT FOR HIGH-QUALITY INTERVENTIONS THAT WORK FOR PEOPLE, NATURE AND CLIMATE](#), WWF, 2021

#ExtremeHeat

- [Extreme heat around the world in videos, photos, and graphics](#), The Guardian, July 2022.
- [Heat is killing us and the economy too](#), The Atlantic Council, September 2021.
- [Today's heatwaves are a warning of worse to come](#), The Economist (July 2022).
- [Africa's first Heat Officer faces a Daunting Task](#). Bloomberg on the challenges tackled by the CHO in Sierra Leone's Freetown
- [Deploying distributed renewable energy to reduce the impacts of extreme heat on the urban poor](#)

#BlueEconomy (Landscape mapping resource)

- [Project Drawdown adds 11 new Solutions](#), most of which are focused on blue carbon
- [Oceans are better at storing carbon than trees. In a warmer future, ocean carbon sinks could help stabilize our planet](#), Physorg, February 2022

#NewsonClimateAction

- [Kigali summit to outline a strategy for nature conservation in Africa](#)- First continent-wide meeting aims to set out plans to halt and reverse habitat and species loss in protected areas on land and sea, The Guardian, July 2022
- [Kenya launches 2050 Calculator to advance climate change mitigation](#), Imperial College London, July 2022

II. Podcasts

- [My Climate Journey](#): dozens of interviews with climate leaders, mostly focused on decarbonization but with several experts from adaptation and resilience
- [Crypto-Climate and Carbon](#):
- [Exploring climate fintech: Introducing Season Five of Fintech for the People](#)

III. Blogs

- [The Climate Reality Blog](#), Founded by former US Vice President Al Gore founded to catalyze a global solution to the climate crisis by making urgent action a necessity across every sector of society. Made up of a diverse group of activists, cultural leaders, organizers, scientists, and storytellers from around the world.

- [Climate Links](#), A Global Knowledge Portal for Climate and Development Practitioners
- [Climate Law Blog](#), Hosted by the University of Columbia, is a forum for legal and policy analysis on various climate-related issues.
- [Crypto, Climate and Carbon](#), Blog on how Blockchain technology can help make carbon markets feasible and thus drive us towards a more sustainable planet.

IV. Online Courses

1. [What is Climate Change](#), University of Colorado Boulder
2. [ESG and Climate Change](#), University of Pennsylvania
3. [ESG Impact: Investor Perspective](#), University of Pennsylvania
4. [ESG-focused Financial Products](#), Interactive Brokers
5. [The finance of Climate Change](#), EDHEC Business School.
6. [First Steps in Making the Business Case for Sustainability](#), University of Colorado
7. [Climate Change and Sustainable Investing](#), EDHEC Business School
8. [Economics and Policies of Climate Change](#), EDHEC Business School
9. [The Materiality of ESG Factors Specialization](#), University of Pennsylvania
10. [Doing Economics: Measuring Climate Change](#), University of London

V. Additional Resources

- List of [Definitions and Key Terms](#)
- [ASAP Adaptation solutions Taxonomy](#)

VI. Initiatives

- [1000 Ocean Startups](#), a coalition to accelerate ocean innovation.

- The [CIFAR Alliance](#), hosted by BFA Global,
- [Project Drawdown](#): a nonprofit organization that seeks to help the world reach “drawdown”—the future point when levels of greenhouse gasses in the atmosphere stop climbing and decline steadily
- [Blue Carbon Initiative](#): the International Blue Carbon Initiative is a coordinated, global program focused on mitigating climate change through the conservation and restoration of coastal and marine ecosystems, Bloomberg, January 2022

Climate Finance Landscape

1. Climate Finance “Taxonomies”

- [EU Climate Finance Taxonomies](#) and [Taxonomy Regulation](#)
- CGAP, [State of the Climate-Responsive Financial Product Landscape and their **proposed taxonomy of climate-responsive financial services**](#), December 2022.
- Center for Financial Inclusion, [Green Inclusive Finance: A Framework for Understanding How Financial Services Can Help Low-Income and Vulnerable People Respond to Climate Change](#) (January, 2023)
- AFI, [LEVERAGING DIGITAL FINANCIAL SERVICES TO ADVANCE INCLUSIVE GREEN FINANCE POLICIES](#) (September 2022)
- [Adaptation Solutions Taxonomy](#), Lightsmith (July 2020)
- [Climate Change 2022: Impacts, Adaptation and Vulnerability](#), Intergovernmental Panel on Climate Change Working Group II. Access to report: https://report.ipcc.ch/ar6/wg2/IPCC_AR6_WGII_FullReport.pdf

2. Climate innovation

- a. [Fintech for the Water Sector](#), Advancing Financial Inclusion for More Equitable Access to Water
- b. [Why we need more venture capital funding for impact-led startups now](#), World Economic Forum
- c. [Global Climate Landscape](#), An Open source taxonomy for the future of climate technology. <https://www.globalclimatelandscape.org/>

3. Carbon Finance

- End-to-end journey of a carbon credit:
<https://www.vox.com/23817575/carbon-offsets-credits-financialization-ecological-solutions-scams>
- [Inclusive and Nature-based Carbon Markets: A Path to Resilient Livelihoods in Sub-Saharan Africa](#), October 2022, BFA Global
- McKinsey's [Blueprint for Scaling Carbon Finance](#), January 2021
- [The Voluntary Carbon Market Explained](#) - Climate Focus; updated regularly
- [Microsoft's Carbon Removal Program](#)
- [Africa's great carbon valley -- and how to end energy poverty](#), Ted Talk with James Irungu Mwangi
- [Q Carbon Market Map: Meet the 75 companies helping to harness the benefits of regen ag](#), AFN, May 2022
- [Environmentalists join forces to fight 'carbon bomb' fossil fuel projects](#), The Guardian, June 2022
- [Why Are Nature-Based Solutions on Climate Being Overlooked?](#), Yale Environment, April 2022
- [The Potential for Nature-Based Solutions Initiatives to Incorporate and Scale Climate Adaptation](#), WRI, April 2022
- [The Voluntary Carbon Market: 8 things to know for 2022](#) From the South Pole, one of the leading carbon finance brokers in the world, February 2022
- [Why Carbon Credits For Forest Preservation May Be Worse Than Nothing](#), ProPublica, May 2019
- [The One Percent's Huge Carbon Footprint](#), Statista, February 2022
- [Giving \(Carbon\) Credit where it's Due](#)
- [High Quality Blue Carbon Principles and Guidance](#) (public consultation draft)

4. G2P Programs

- African Union (2022). [African Union Climate Change and Resilient Development Strategy and Action Plan \(2022-2032\)](#)
- Center for the Study of African Economies. [Anticipatory Cash Transfers in Climate Disaster Response](#)
- GermanWatch (2021). [Global Climate Risk Index 2021](#).

- Global Center on Adaptation (2021). [How Adaptation Can Make Africa Safer, Greener and More Prosperous in a Warming World](#)
- Government of Malawi (2022). [Malawi Social Cash Transfer Programme Strategic Plan](#)
- IMF (2020). [Beyond the COVID-19 Crisis: A Framework for Sustainable Government-To-Person Mobile Money Transfers](#)
- Peggy Levitt et. al. (2023). [Transnational Social Protection: Changing Social Welfare in a World on the Move](#)
- United Nations Secretary-General's Special Advocate for Inclusive Finance for Development (UNSGSA) (2023). [Inclusive Green Finance: A Policy and Advocacy Approach](#)
- World Bank (2020). [Sourcebook on the Foundations of Social Protection Delivery Systems](#)
- World Bank (2021). [Stress Testing Social Protection: A Guide for Practitioners](#)
- World Bank (2022, 2023). [Country Climate and Development Reports \(CCDRs\)](#) - all country reports are here
- World Bank (2022). [Country Climate and Development Report: Bangladesh](#)
- World Bank (2022). [Country Climate and Development Report: G5 Sahel Countries](#)
- World Bank (2022). [Country Climate and Development Report: Indonesia](#)
- World Bank (2022). [Country Climate and Development Report: Malawi](#)
- World Bank (2022). [Country Climate and Development Report: Pakistan](#)

5. Data Platforms

Title	Year	Publisher	Link
Guide to Climate Change and Financial Inclusion	2022	Fin Dev gateway	Guide to Climate Change and Financial Inclusion
Climate Inequality Report ^o	2023	World Inequality Lab	https://wid.world/wp-content/uploads/2023/01/CBV2023-ClimateInequalityReport-2.pdf
Too Little, Too Slow Climate adaptation failure puts the world at risk. Annexes	2022	UNEP	https://wedocs.unep.org/bitstream/handle/20.500.11822/41100/AGR2022_annexes.pdf?sequence=1&isAllowed=y
Climate shocks and financial inclusion	2023	Center for Financial Inclusion	https://www.centerforfinancialinclusion.org/exploring-the-intersection-of-climate-shocks-and-financial-inclusion
Global Landscape of Climate Finance 2021	2021	CPI	https://www.climatepolicyinitiative.org/publication/global-landscape-of-climate-finance-2021/
SDG Digital Investment Framework	2019	Digital Impact Alliance	https://www.itu.int/dms_pub/itu-d/opb/str/D-STR-DIGITAL.02-2019-PDF-E.pdf
Global Digital Inclusion	2022	Digital Planet	https://sites.tufts.edu/digitalplanet/global-digital-inclusion-progress-to-parity-scorecard-2022/
Flood prevention in Mozambique	2022	VoxDev	https://voxdev.org/topic/energy-environment/how-information-ahead-floods-can-improve-climate-resilience-lessons-mozambique
IDFC Green Finance Mapping Report 2021	2021	IDFC	https://www.idfc.org/wp-content/uploads/2021/11/idfc-gfm2021-full-report-final.pdf
2022 State of Blended Finance Climate Edition	2022	Convergence	https://www.convergence.finance/api/file/2a2266f8e09601bdac664429e44f04c4:5016566401e67b1ce72d46b4a4c694c5946f665ade4961a57dea4ac5a730570114b8b8d3be358cd3022b53ec39d0b57f3dc13b0207bfc8f2aa2d614e28ded8a27a469fc8c96f8e83bcd71e4db397c52c785f98b57904686e33730307ab0e617fbc6154a346aa7db3fa6ab5d3689bdffa1b4c643c1a1d96fe45c45dca02dcc453f76655935430a2983c9e24810432c0315801915f199ebeafd624754efcd54ff8
Climate Risk in Africa	2021	Declan Conway, Katharine Vincent	Climate Risk in Africa: Adaptation and Resilience SpringerLink

Climate in Africa 2020	2020	WMO	State of the Climate in Africa 2020
IPCC Sixth Assessment Report	2023	IPCC	https://www.ipcc.ch/report/sixth-assessment-report-cycle/
Early warning for all	NA	WMO	https://public.wmo.int/en/earlywarningsforall#:~:text=The%20%22Early%20Warnings%20for%20All.by%20the%20end%20of%202027
Renegotiating the Faustian Bargain of Data	2023	Venkatesh Hariharan	https://dial.global/wp-content/uploads/2023/06/Faustian-Bargain.pdf
World Development Report (WDR) 2021, Data for Better Lives	2021	World Bank	https://wdr2021.worldbank.org/the-report/
exploring the case for a global nature-related public data facility	2023	TNFD	https://tnfd.global/wp-content/uploads/2023/08/23-24-755-Global-Data-Facility-Paper_V14.pdf
Satellite Nowcasting in Africa and Asia 2023 WMO	2023	WMO	https://community.wmo.int/en/news/guidelines-satellite-based-nowcasting-africa-2023-edition
Savings-and-Climate-Resilience_Knowledge-Review	2021	Itad	https://www.itad.com/wp-content/uploads/2021/04/Savings-and-Climate-Resilience_Knowledge-Review.pdf
CCKP Metadata November 2021	2021	World Bank	https://climateknowledgeportal.worldbank.org/sites/default/files/2021-10/CCKP_Metadata_October%2021.pdf
Remote Sensing of Natural Hazard disasters	2021	Maja Kucharczyk, Chris H. Hugenholtz	https://www.sciencedirect.com/science/article/pii/S034425721002972
The high-tech race to improve weather forecasting	2023	The economist	https://www.economist.com/science-and-technology/2023/07/26/the-high-tech-race-to-improve-weather-forecasting?utm_medium=cpc.adword.pd&utm_source=google&ppccampaignID=18151738051&ppcadID=&utm_campaign=a.22brand_pmax&utm_content=conversion.direct-response.anonymous&gclid=CjwKCAjwIoyNbhBbEiwAGY25dLo5KcQXI9u7_ZbQre3uMQDuFJ9QHFy4s-GcRyyW73yQsJ2JZsy_MhoCWAUQAvD_BwE&gclsrc=aw.ds
The world's poor need to know about weather disasters ahead of time	2023	The economist	https://www.economist.com/leaders/2023/07/27/the-worlds-poor-need-to-know-about-weather-disasters-ahead-of-time

GSMA State of the Industry on Mobile Money	2023	GSMA	https://drive.google.com/drive/folders/102scvMYGcu95QikLCFyhpMQYs_4QYRa5
Accelerate Aspirations Moving Together to Achieve Systems Change	2023	Data.org	https://data.org/wp-content/uploads/2023/01/Accelerate-Aspirations_-Moving-Together-to-Achieve-Systems-Change.pdf
Landscape of Climate-Finance for Agriculture Forestry Other Land Uses and Fisheries	2022	CPI	https://www.climatepolicyinitiative.org/wp-content/uploads/2022/11/Landscape-of-Climate-Finance-for-Agriculture-Forestry-Other-Land-Uses-and-Fisheries.pdf
Methodology Global Landscape Climate Finance	2021	CPI	https://www.climatepolicyinitiative.org/wp-content/uploads/2021/10/Methodology.pdf
2022 Disasters in Numbers	2022	CRED	https://www.preventionweb.net/publication/2022-disasters-numbers?utm_source=PreventionWeb&utm_campaign=8d268f2c6f-PreventionWeb+daily&utm_medium=email&utm_term=0_b73053c1c6-8d268f2c6f-485859101

6. Climate and Gender

- [The climate crisis is not gender neutral – women’s voices must be heard](#), August 2023, Microsave Consulting.
- Un Women, [Explainer: How gender inequality and climate change are interconnected](#) (Feb. 2022)
- Accelerating Women Climate Entrepreneurs (AWCE) project funded by Global Affairs Canada (GAC), [Towards a GenderTransformative Climate Finance Roadmap An Ecosystem Approach to Inclusive, Equitable and Transformative Change for Women Climate Entrepreneurs](#) (Dec 2022)
- IFAD; [ASAP Technical Series: Gender and Climate Change](#) (November 2022)
- DEAR (decolonization, equity and anti-racism) principles from WRI.
- [2x Challenge- Financing for Women.](#)

- [UN Guiding principles for Promoting Investment with Gender Lenses](#)
- [Unconform - Product Design for Women](#) (use cases, resources, [here](#))
- Global Research Council, [Statement of Principles and Actions Promoting the Equality and Status of Women in Research](#), and [Gender perspective in research](#).

7. Digital Public Infrastructure

- [Building a bridge between climate actors with digital public goods](#), by Alison Filler, Climate Collective, November 2022.

8. Credit bundled services to SSPs and climate affected micro-enterprises

- [Where and how index insurance can boost the adoption of improved agricultural technologies](#), by Michael Carter, Lan Cheng, Alexandros Sarros – Journal of Development Economics, 2014.
- [Bundling Genetic and Financial Technologies for More Resilient and Productive Small-scale Farmers in Africa](#), Stephen R. Boucher, Michael R. Carter, Jon Einar Flatnes, Travis J. Lybbert, Jonathan G. Malacarne, Paswel P. Marenya and Laura A. Paul.
- [Where and how index insurance can boost the adoption of improved agricultural technologies](#), by Michael Carter, Lan Chang, and Alexandro Sarriss
- [Generating Resilience+ to reduce poverty and spur agricultural growth](#), by Michael Carter, MRR Innovation Lab – February 2020.
- [Climate change impacts and adaptation among smallholder farmers in Central America](#), by [Celia A. Harvey](#), [Milagro Saborio-Rodríguez](#), [M. Ruth Martínez-Rodríguez](#), [Barbara Viguera](#), [Adina Chain-Guadarrama](#), [Raffaele Vignola](#) & [Francisco Alpizar](#), August 2018.
- [Beyond Access and Usage: Financial Services for Livelihoods](#), CGAP, by Greta Bull, Till Bruett, February 2021.
- [Small Business and Climate Change](#), World Trade Organization, MSME Research #3, 2021.