



CLIMATE FINANCE AND ECONOMICS

Unlocking climate finance
for a just transition and to
build climate resilience
and adaptation

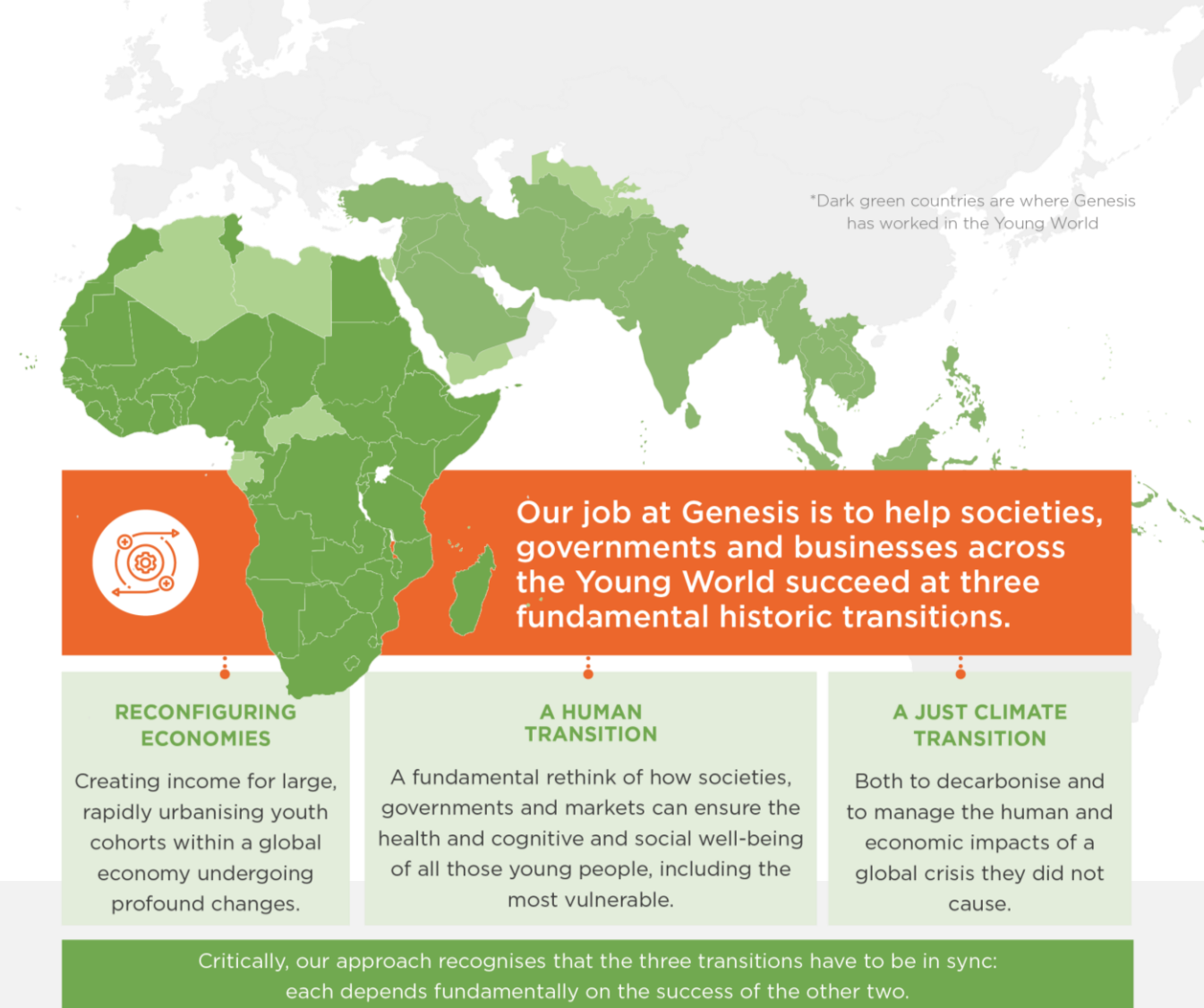
What is Genesis?

Genesis is a leading impact and strategy firm that has worked in more than 100 countries.

Uniquely, Genesis is focused on the Young World – the arc of countries with young populations stretching across Africa, the Middle East, South Asia and parts of Southeast Asia. **By 2030 four in five children will be born in the Young World**, making this region central to the future. With growing markets and young, productive populations, Young World countries have the most positive potential trajectory globally.

It is here that investments of all kinds will have the highest social and economic returns.

Our consultants are experts in Climate Finance and Economics | Shared Value and Impact | Monitoring, Evaluation and Learning | Economic Impact Assessment | Behavioural Solutions | Digital Economy and Governance | Financial Services Strategy | Human Development | Public Health and Financing | Competition Economics and Regulation | Youth (including adolescent girls and young women)



Our best work has been through combining these complementary areas of expertise to find fresh solutions to old developmental challenges.

The Climate Finance and Economics practice

Ours is a unique, pragmatic approach that draws upon deep expertise in economic and financial analysis.



We have worked with governments, international development agencies, investors, DFIs, philanthropies and other stakeholders in more than 40 countries, 30 of them in Africa, to...

We are facing a **great challenge**: the flow and timing of international climate finance is insufficient to address the climate emergency. The private sector must be involved – and public funding that is already committed must be made more easily accessible to developing and emerging economies.

We aim to be the leading global advisory firm unlocking climate finance.

MARCELA TARAZONA, PhD, MBA

Partner, Climate Finance and Economics Practice



- Integrate **socioeconomic** considerations into climate strategy to ensure a **JUST TRANSITION** to a low-carbon economy
- Provide analytics and solutions that build **RESILIENCE & ADAPTATION** to the risks and new realities posed by climate change
- Facilitate flows of public and private **CLIMATE FINANCE** to realise a low-carbon, resilient, prosperous future.
- [Read more here](#)

What we do

We work across sectors, with a systems view of the interrelated crises – and opportunities – facing us.



Agriculture

Our **JUST TRANSITION** work addresses equity, distributional consequences of action + inaction, jobs + skills-building, amplifying marginalized voices, understanding the needs of ‘young’ countries, and mitigating the costs of structural changes to emerging and developing economies.



Biodiversity



Cities

Climate **RESILIENCE & ADAPTATION** work is about identifying, quantifying and mitigating climate risks, preparing for disasters, diversifying opportunities, streamlining climate into policies and budgets, enhancing nature-based solutions, protecting the most vulnerable, and anticipating the impacts of migration and urbanization.



Water & Oceans



Energy & Minerals

Mobilizing flows of **CLIMATE FINANCE** is essential for a Just Transition and to boost Resilience & Adaptation. This means incentivizing private finance alongside public, mitigating risks, building partnerships, innovating around barriers, and holding historic polluters accountable.

How we unlock value

We generate actionable insights and ambitious solutions to move the needle on the climate emergency.

STRATEGY	MODELLING & ANALYTICS	DESIGN	TECHNICAL ASSISTANCE
<ul style="list-style-type: none">• How to allocate or access climate finance• Net zero scenario mapping• Opportunity & funding identification and match-making• Risk-informed planning• Integration of socioeconomic considerations into climate strategy and response• Municipal, national and regional planning for sustainable growth	<ul style="list-style-type: none">• Analytics for Low Carbon Roadmaps• Socioeconomic/ distributional impact modelling of investments and policy• Estimating costs and benefits of climate change interventions• Green employment diagnostics• Economic feasibility assessments• Climate risk analytics and vulnerability assessments• Carbon pricing scenarios and impact modelling• Fiscal assessments for interventions• Spatial and land use modelling	<ul style="list-style-type: none">• Policy and regulatory costing and impact analysis• Project structuring & investment planning• Climate-proofing, 'greening' and mainstreaming• Risk mitigation for private sector investment• Innovative and blended financing• Impact strategy and monitoring	<ul style="list-style-type: none">• Capacity building at all levels of seniority• Fund & facility scoping and management• Thought partnership to improve decision-making• Green skill-building and training• Demystifying jargon & 'insider' processes

The CFE team delivers rigorous, practical quantitative & qualitative products/ services for busy clients & brings strategic inputs from our in-house [monitoring & evaluation](#) | [corporate transition](#) | [digital transformation](#) | [economic modelling experts](#)

Our work

Ensuring a Just Transition to a low-carbon economy

OUR PRIORITIES ARE

- Enabling energy independence and jobs-positive green growth through renewable energy, local manufacturing and technology transfer
- Ensuring that the Global South can meet its economic development goals while contributing to climate change mitigation
- Facilitating the shift to low-emission pathways in *relatively* high impact sectors such as transport, oil & gas production and agriculture – in doing so, reducing pollution and fossil fuel dependency

Our roots in Africa inform our sense of justice and urgency. The ‘Delta’ trio of transitions – a growing youth population, rapidly evolving technological ‘leap forward’ and climate emergency – pose existential threats and unprecedented opportunities for emerging and developing countries.

WE CAN HELP YOU TO

- Identify the role you can play in defining, financing or implementing a just transition – and support you to achieve these goals
- Quantify the socioeconomic and financial impacts of climate change on your government, project, business or community
- Estimate the costs and distributional implications of climate policies and interventions
- Build capacity at all levels of your organisation to integrate just transition considerations – equity, growth & jobs – into planning (and doing).

CFE is working with the AfDB to **pilot their Just Transition Framework** in Kenya and Tunisia, to assess how useful and applicable it is and refine it prior to the Bank rolling it out across AfDB member countries and investments. As part of this we are **training AfDB staff on Just Transition concepts and integration modalities**.

Genesis was commissioned by the International Labour Organization (ILO) to develop a first of its kind **diagnostic tool to assess green employment** at country level. The tool is designed to guide ILO staff and constituents on identifying labour market trends, constraints and opportunities for achieving full and productive employment for all. Our team piloted the framework in Mozambique as well.

CFE identified **digital opportunities and risks in key climate-affected sectors** (energy, financial inclusion, food security and health) in India, Kenya and Nigeria to inform Swedfund (the Swedish development finance institution) and its portfolio companies (investees) in their investment decisions.

Our team undertook the socioeconomic assessment for the **decommissioning, repurposing and repowering of seven coal power stations** run by the South African national utility, Eskom – actions that form part of the national Just Energy Transition Implementation Plan (JET-IP). CFE was then hired by the African Development Bank to provide expert technical assistance to the country’s Treasury and Presidential Climate Commission (PCC) to identify off balance sheet **financing options to fund the new electricity generation and transmission infrastructure**.

The NDC Partnership is a global coalition hosted by the World Resources Institute (WRI) that **works with national governments, international institutions and civil society to fast-track climate action**. Through the Partnership, CFE has provided technical support to 19 governments: Burkina Faso, Cambodia, Gambia, Liberia, Malawi, Namibia, Panama, St Kitts and Nevis, St Vincent and the Grenadines, Zambia, Nigeria, Zimbabwe, Georgia, Uganda, Ethiopia, Eswatini, Sierra Leone, Mali and Niger.

Our work

Enhancing climate resilience & adaptation

RESILIENCE AND ADAPTATION ARE

- Building adaptive capacity to increase resilience in coping with seismic shifts in the environment, economy and society
- Essential to minimizing loss and damage
- Protects development gains, such as on energy access, gender equality, health and education
- The utmost priority for developing countries where there are fewer resources and higher vulnerabilities.

The CFE team was born from Partner Marcela Tarazona's expertise in Disaster Risk Analytics and Financing. We are interested in quantifying the economic impact of projected loss and damage, designing and stress-testing instruments to mitigate the impacts of climate-related disasters on public finance, innovating insurance and financing solutions to buffer private and public sectors from shocks, and convening stakeholders from North and South to identify high-value partnerships and pathways to real-world action.

WE CAN HELP YOU TO

- Develop climate and disaster risk strategies, alongside practical costing, climate risk analytics, partnerships and implementation plans
- 'Green' national and sub-national budgets
- Monitor & evaluate the impact of 'climate smart' interventions
- Articulate financial solutions that scale up adaptation

The CFE team conducted an evaluation of the International Fund for Agricultural Development (IFAD) **Climate Risk Insurance fund**, covering its activities in Cambodia, Guatemala, Indonesia, Kenya, the Philippines, Tanzania, Uganda, Vietnam and Zambia.

Genesis provided a **risk finance analysis** to inform Zambia's Climate and Disaster Risk Financing (CDRF) Strategy; identified **evidence gaps in Climate Disaster Risk Finance** for InsuResilience; conducted the **climate risk assessment** of a Tanzanian dam project, and more.

The Climate Resilient Infrastructure Development Facility (CRIDF) is FCDO's flagship water financing facility for countries in the Southern African Development Community (SADC). The Genesis team supported CRIDF in the **mobilisation and leveraging of funding** for its projects.

The CFE team is supporting South Africa's Presidential Climate Commission (PCC) to identify **innovative adaptation financing mechanisms** that leverage current and planned public financing to catalyse private sector investment. This includes mapping of existing instruments, prioritizing next steps with input from an expert Steering Group and identifying partners and financing options.

CFE was commissioned by the UN Disaster Risk Reduction (UNDRR) Regional Office for Africa to provide technical support to development of their **comprehensive risk management approach**, which informed planning across the continent. Included alignment to NDCs and NAPs, and help preparing for a COP27 side event.

Our work

Mobilising climate finance

The scale and timing of climate financing fall woefully short and slow of what is needed. And what is available is not always accessible, due to complicated processes and constrained capacity.

We want to unlock a levels-of-magnitude increase in financing for the Just Transition and national resilience and adaptation measures across developing economies. This includes sustainable finance mechanisms such as tax levies or carbon pricing; blockchain and AI-enabled financial risk mitigation; leveraging philanthropic capital for maximum benefit; and much more.

WE CAN HELP YOU TO

- Mobilise commercial, concessional and grant resources to ready climate initiatives
- Cost and monitor the impact of climate finance flows
- Conduct market scoping or due diligence
- Foster private sector engagement in 'commercial' and non-commercial adaptation activities
- Design financial instruments tailored to specific need, linked to outcomes and with robust framework agreements for implementation
- Innovate domestic resource options for fund-raising and revenue to diversify away from reliance on wealthy countries who may not be meeting their historical obligations

Genesis worked with the African Climate Foundation and Climate Arc to support a **conversation tour around climate-aligned finance** in South Africa. This is bringing together financial sector stakeholders to generate ideas and practical solutions around integrating climate-relevant parameters into financial analysis and accelerating toward a Net Zero economy.

CFE helped Financial Sector Deepening Uganda (FSDU) to **access 'green' finance** to better support smallholder farmers. FSDU commissioned Genesis to revise its strategy; based on which it was awarded a \$9.5 million grant from the Bill and Melinda Gates Foundation.

Norsad Capital commissioned Genesis to **'stress test' its climate risk exposure** and train its investment team on mitigating risk and carbon footprint.

The International Finance Corporation (IFC) contracted CFE to analyse data for the city of Cape Town on their **climate-smart cities investment platform**, APEX. We reviewed data assumptions on the built environment, energy, transportation, water and waste and advised the client on its investment pipeline.

FSD Africa contracted CFE to determine the **feasibility of deploying different financial instruments** to address climate change, environmental and waste challenges in the city of St. Louis, Senegal.

Genesis conducted **capacity building for the Bank of Thailand** on climate stress testing and green taxonomy, **and for the South African Reserve Bank (SARB)** on challenges & opportunities of climate change for the banking sector.

CFE is developing the South African **National Climate Change Adaptation Investment Plan**. The process includes prioritization and costing of activities and a deep-dive analysis of potential financing instruments.

With funding from the UK government, Genesis supported the Climate Finance Accelerator programme in Egypt. The CFA is a four-year technical assistance programme developing a **pipeline of bankable, low-carbon projects** and identifying suitable financing options.

Genesis was commissioned by a major African bank to prepare its annual **Sustainability and Development Impact report**, which documented risks and opportunities to its business as well as its effect on the community.

How we work

Over 25 years we have forged trusted, long-term relationships with governments, foundations, donors and companies across Africa and the Global South.

Genesis Analytics is a truly 21st-century consultancy that blends human engagement and technology. Critical to unlocking value at Genesis is the ability to convince people to act, as well as facilitating enabling environments for them to enact change. This requires a complex set of human skills to build coalitions, ecosystems, networks and a relationship-based approach to getting people to act intentionally on joint solutions.

Joint Solutioning

Strength in humility. Value in diversity and a user-centred approach. The joint-solutions method is where you look for solutions that work in the real world.

Peer Learning

Moves beyond knowledge to know-how. Information sharers and consumers operate within the same ecosystem, with interchangeable roles. A neutral facilitator, mitigates power imbalances and fosters equitable solutions.

Ecosystem Facilitation

An approach to 'getting things done' in domains with complex and intersecting challenges, but where the challenges are ultimately solvable with the right set of stakeholders present.

Our model of human engagement is combined with our

Deep knowledge of the field

Ability of mobilise public
And private resources

Ethics and independence

We use socio-economic modelling to provide valuable insights and inform our 'Joint Solutions' to the Just Transition challenge.

Our clients include



Our Team

We draw on a cross-disciplinary team of 250+ professionals with diverse experience across geographies and sectors. Our extended team works in development, environment, financial services & insurance, business strategy, and much more.



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Advisory Board

WE ARE HERE TO HELP **YOU** UNLOCK VALUE.



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