



## 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 115 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.



1

**THE HUMAN TRANSITION**  
Build the foundational human capital - in health, education and social protection - that allows this critical group of young people to succeed. Investing in the basics - like good health, a solid education and proper nutrition - so every young person has a real shot at a good life.

2

**THE ECONOMIC TRANSITION**  
Channel young populations into productive, inclusive economic activity linked to global demand. Preparing the next generation for the jobs of tomorrow and creating an economy where everyone has a place.

3

**THE AI TRANSITION**  
Universal access to frontier technology promises progress at an unprecedented scale. But countries will also need to manage massive dislocations to economies, locally and internationally. Our job is to make sure AI delivers its promise to alleviate big challenges and works for everyone.

4

**THE URBAN TRANSITION**  
Africa's explosively growing cities will change the globe. Our job is to transform these cities to be liveable launchpads for prosperity.

5

**THE CLIMATE TRANSITION**  
In Young World countries climate change is not an ideological battleground. It is an everyday reality affecting lives and incomes. Our job is to help build resilient societies that can adapt to these changes in ways that place people and their prospects at the centre.

Our role is to help Young World societies, governments and companies succeed at these historic transitions. We believe in the power of leadership from within: lasting change comes from within countries and partakes of global resources.

# The Climate Finance and Economics Practice



Our unique, pragmatic approach draws upon deep expertise in economic, financial and political economy analysis **while acknowledging our dependence upon the natural world.**



The transition to net zero in Africa must be different than (nearly) everywhere else. It should prioritize adaptation and facilitate prosperity, equity and resilience. Economic growth in Africa should be low-carbon – primarily to avoid lock-in, buffer against uncertain fossil fuel markets and mitigate biomass loss.

**We aim to be the leading global advisory firm unlocking climate finance for the Young World, with a focus on Africa.** ”

**MARCELA TARAZONA, PhD, MBA**

Partner, Climate Finance and Economics Practice

**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:**

- Integrate socioeconomic considerations into climate strategy to ensure a **JUST TRANSITION** to a low-carbon economy.
- Provide and inform solutions that build **RESILIENCE & ADAPTATION** to the risks and new realities posed by climate change.
- Support **LOW CARBON GROWTH** with clean energy for prosperity, equity and resilience.
- Mobilize flows of public and private **CLIMATE FINANCE** to realise a resilient, low-carbon, prosperous future.

# What we do

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



**Agriculture**



**Labour**



**Health**



**Cities**



**Biodiversity & Oceans**



**Energy & Minerals**

Climate change mitigation will – and should – look different in Africa. **LOW CARBON GROWTH** is essential, but not as a global obligation. It's to avoid lock-in, buffer against uncertain fossil fuel markets, mitigate biomass loss, access carbon finance and foster competitive green industrialisation.

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 urbanisation.

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

Our **JUST TRANSITION** work is cross-cutting. It addresses equity, distributional consequences of action + inaction, jobs + skills-building, amplifying marginalized voices, recognising our reliance on the natural world and mitigating the costs of structural changes to emerging and developing economies.

# Our work **Ensuring a just transition**

## WHAT WE CAN DO

- Climate policy planning
- Estimate the costs and distributional implications of climate change and policies on governments, projects, business or communities
- Explore traditional and innovative transition finance options
- Build capacity at all organisational levels to integrate just transition considerations into planning
- Assess the climate change impacts on health systems
- Explore the role of critical minerals in just transition contexts

CFE worked with the AfDB to **develop their just transition framework based on analysis** of a range of energy transition impacts in Kenya and Tunisia.

Through the NDC Partnership, CFE has provided **technical support to +20 national governments** across Africa, Asia, Latin America and the Caucasus in **NDCs implementation planning and investment.**



[Strengthening NDCs for Climate Action](#)



[ILO guidelines for green employment diagnostics](#)



[Green options for South Africa's ageing coal power stations](#)

# Our work **Enhancing resilience & adaptation**

## WHAT WE CAN DO

- Develop climate and disaster risk strategies and implementation plans
- Identify and mobilise adaptation finance options
- Conduct costing assessments and climate risks and impacts analysis
- Mainstream climate considerations into national and sub-national budgets
- Monitor & evaluate the impact of climate interventions

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.

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.



[Refining comprehensive risk management in Sub-Saharan Africa](#)



[SA climate resilience: Crafting innovative adaptation financing mechanisms](#)

# Our work **Mobilising climate finance**

## WHAT WE CAN DO

- Mobilise commercial, concessional and grant finance for climate initiatives
- Financial mechanisms design and blended finance
- Track and monitor climate finance flows
- Advice on Public Financial Management as it relates to climate change
- Foster private sector engagement in 'commercial' and non-commercial activities
- Explore innovative domestic and international financing options
- Carbon markets analysis and carbon pricing

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

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

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.



Advancing climate governance  
in emerging markets



Addressing the climate change  
challenges in Saint-Louis, Senegal



Analysis of Cape Town's  
climate-smart investments

# Our work **Enabling low-carbon growth**

## WHAT WE CAN DO

- Support organisations to navigate the complex political economy of the energy transition
- Explore the vulnerability to climate change impacts of energy assets and infrastructure – and cost different action and inaction options
- Map renewable energy and energy access markets to inform programme design and investment decisions

### **Energy access & Productive Uses of Energy**

**(PUE):** We bring experience in on- and off-grid access, including solar and mini-grids, supply chain and consumer financing, end user subsidy, digitalisation, modern cooking technologies, regulation and more.

We support decision-makers in understanding off-grid solar and mini-grid markets through **market analysis**

We provide **cost-benefit, regulatory impact and techno-financial analysis** in support of renewable electricity and cooking energy across the continent

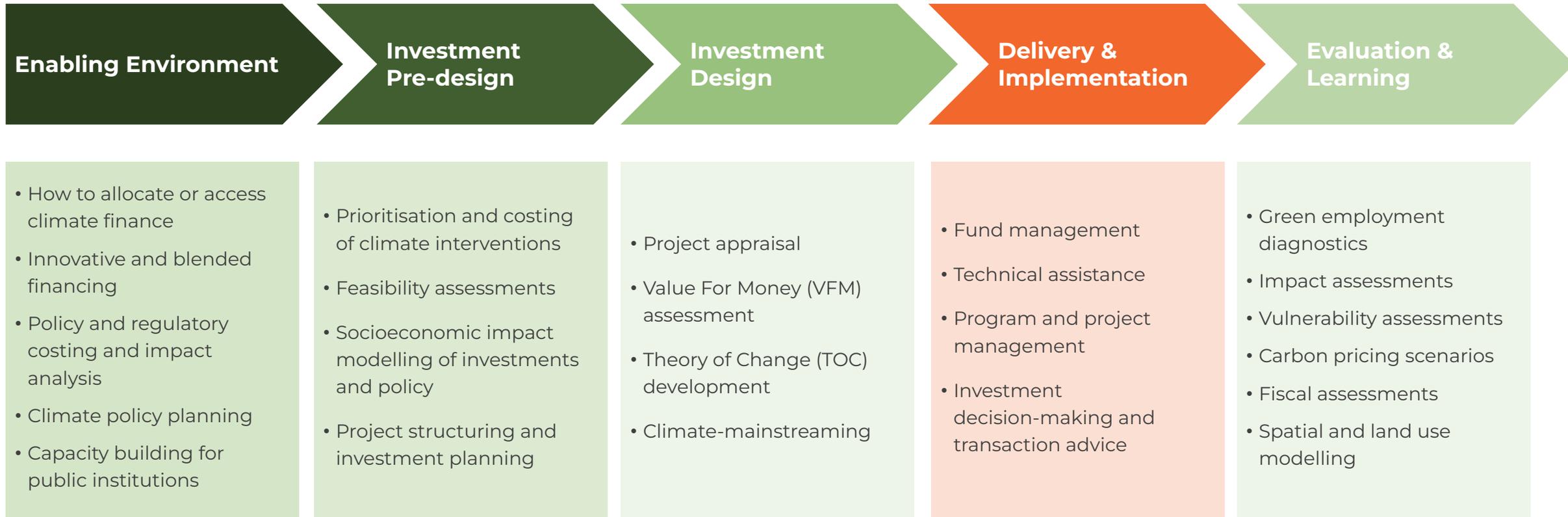
**Project cycle support:** We provide quantitative and qualitative analytics, evidence-based solutions and management expertise to investors, governments and funders as they plan and roll out energy and climate investments.

- **Green pipeline, design & investment support:** Project concept development, due diligence, technical assistance, match-making, resource mobilisation
- **Programme management:** Efficient, on-budget delivery of multi-country, multi-stakeholder initiatives
- **Monitoring, Evaluation & Learning (MEL):** Our MEL work allows us to close the loop and see up close how development interventions are working and what we can do better.



# How we unlock value

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



# 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 21<sup>st</sup>-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 300+ 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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WE ARE HERE TO HELP **YOU** UNLOCK VALUE.



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**G:ENESIS**  
UNLOCKING VALUE