



## Climate smart agriculture

SNV builds climate resilience and contributes to sustainable agriculture by developing knowledge, tools and market-based solutions to reduce greenhouse gas (GHG) emissions and minimise the negative impacts of a changing climate. We consider climate models and value chain assessments to visualise risks and consequences, and support the development and implementation of realistic and local national climate plans. We identify viable business cases, work on business awareness to address consequences, and seek blended financing.

### The challenge

Climate change is undermining food security and sustainable development, and threatening to erode and reverse gains made in ending hunger and malnutrition. Food production needs to grow to feed the growing world population, however, increasing production through unsustainable methods will only elevate deforestation, greenhouse gas emissions and environmental degradation.

Urgent responses and transformation within the agricultural sector to address climate change risks is needed. As public funds are insufficient, there is a need to catalyse private sector expertise, its innovation capacity, and financial leverage.

### The opportunity

Applying climate smart agricultural practices reduces risks from the impacts of climate change, lowers greenhouse gas emissions, and increases productivity and incomes.

Currently, most businesses do not fully understand their exposure to climate change or recognise the growing business opportunities in climate action. Changing agribusinesses' behaviour is pivotal to shift food systems to sustainable practices and work toward climate change adaptation and mitigation in agriculture.

### Our approach

SNV has worked with over 300 companies in 33 countries across Africa, Asia and Latin America. We initiate, implement, finance, and scale-up inclusive business models.



Enhancing Opportunities for Women’s Enterprises project in Vietnam

With our focus on ‘Climate and Business’, we create lasting change by supporting sectors to transform from business as usual to deliver climate smart agricultural and energy solutions at scale.

SNV achieves this by kick-starting markets, leveraging finance for scale, while partnering with locally-led businesses to change awareness and behaviour. In addition to direct investments in high-impact adaptation sectors, we stimulate services pivotal to transforming supply chains. SNV targets the financial sector, aggregators, climate information, and energy services. We also work with authorities to support the development of a conducive policy environment.

Our product focuses on four key result areas, whilst addressing impacts on gender equality, nutrition, and youth:

## SNV in agriculture

In agriculture, our projects contribute to achieving the SDGs through inclusive value chains, sustainable nutrition for all, and climate and business.

Targets for agriculture 2019–2022

- 1.3 million people with increased resilience to climate change
- 7.5 million people with increased income
- 700,000 people with increased food and nutrition security

- A. Climate smart market development
- B. Shifting business operations towards climate smart practices
- C. Leveraging finance for scale
- D. Support the enabling environment

## A. Climate smart market development

SNV supports the transformation of markets to transition towards inclusive and climate smart development by:

- Undertaking climate, market, and business diagnostics for the development of climate smart technologies and services.
- Facilitating business linkages through the establishment of multi-stakeholder processes.

## Climate and Business

Result area 1 

Climate smart market development

Result area 2 

Shifting business operations towards climate smart practices

Result area 3 

Leveraging finance for scale

Result area 4 

Supportive enabling environment

nutrition | gender | youth



Climate Resilient Agribusiness for Tomorrow (CRAFT) project in Uganda

## Climate Resilient Agribusiness

The Climate Resilient Agribusiness for Tomorrow (CRAFT) project aims to increase the availability of climate smart foods for the growing population in Kenya, Tanzania and Uganda.

Interventions are embedded on inclusive, and climate smart business cases targeted in specific value chains. The matching grant facility aims to further unlocking climate finance at scale.

So far, bankable business plans of 46 agribusinesses – 18 of these are women and youth-led – received a matching grant.

As of September 2021, almost 114,000 smallholder farmers, half women, have been trained in climate smart agriculture practices, and 76% already applied two or more new climate resilient farming practices. More than 58,300 smallholder farmers reported an increased income for their crops so far.

- Strengthening the capacity of local service providers to provide key supply chain services.
- Stimulating increased productivity and added value through results-based financing, tracked to climate indicators.

### B. Shifting business operations towards climate smart practices

SNV builds awareness and supports agro-companies and smallholder farmers to introduce and adopt more climate smart practices by:

- Applying tailored tools and guidance to generate relevant climate information and increase businesses awareness.
- Screening prospective business propositions against market, climate, energy, gender, and scaling criteria.
- Supporting business planning and management to structure climate smart business cases.
- Providing technical assistance to introduce climate smart solutions.

### C. Leveraging finance for scale

SNV helps agro-companies to scale their inclusive, climate smart, business ambitions by supporting them to access financing by:

- Assisting companies to develop climate smart business plans and broker partnerships for financing.
- Working with local financial institutions to develop climate smart financial products.
- De-risking investments and reducing transaction costs for financial institutions.
- Supporting the development of climate smart business pipelines for targeted investment funds.

### D. Supportive enabling environment

SNV supports the development of a more conducive enabling environment for climate smart businesses to thrive by:

- Building on local knowledge, carrying out studies, analysing and building consensus on solutions towards climate smart agriculture.
- Engaging authorities to influence policy, including fiscal measures and budgetary allocations.
- Engaging with and supporting national authorities on their Nationally Determined Contributions.

## Our experience

### Dutch Fund for Climate and Development (DFCD) | multi-country | 2019–2023 | €160M | Netherlands Ministry of Foreign Affairs

Implemented by FMO Dutch development bank (lead), SNV, WWF-NL and Climate Fund Managers, the DFCD is mobilising €500 million in private sector investments for climate adaptation. The partnership connects SNV and WWF's project development expertise with FMO and CFM's financing and investment power. This partnership will graduate business cases from idea to full implementation using life-cycle financing.



### Pro-ARIDES | multi-country | 2020–2030 | €100M | Netherlands Ministry of Foreign Affairs

Pro-ARIDES aims to contribute to increased resilience, food security and income of agricultural and (agro) pastoral households in the Sudano-Sahelian zone of Burkina Faso, Mali and Niger through effective decentralised institutions and organisations for improved service delivery, land and natural resource management and local economic development. Pro-ARIDES targets a wide range of populations, including farmers, (agro) pastoral households and pastoralist households, with a strong focus on women and youth.



### Climate Resilient Agribusiness for Tomorrow (CRAFT) | multi-country | 2018–2023 | €36M | Netherlands Ministry of Foreign Affairs

The CRAFT project supports the large-scale adoption of climate smart practices including clean energy solutions by agribusinesses across Kenya, Uganda and Tanzania to improve productivity of 300,000 farmers. The project is implemented by SNV (lead) with WUR, CGIAR-CCAFS, Agriterra, and Rabo Partnerships.



### Mobile data for pastoralists in West Africa (STAMP, MODHEM and IDAN) | Mali, Burkina Faso and Niger | 2014–2024 | €16.1M | Netherlands Space Office and Netherlands Ministry of Foreign Affairs

Together with the private sector, SNV developed the Garbal service. Using satellite data, Garbal provides pastoralists with reliable information on biomass and water availability, market prices along transhumance routes. The service has been accessed by over 200,000 pastoralists. Garbal is launching in additional countries, such as Niger.



### Increasing Climate Resilience in Energy and Agriculture Systems and Entrepreneurship (INCREASE) | Zambia | €2M | 2020–2022 | Sida

The Increasing Climate Resilience in Energy & Agriculture Systems and Entrepreneurship (INCREASE) project in Zambia is a continuation from two earlier SIDA-funded climate smart agriculture and renewable energy projects. The objective of INCREASE is to strengthen social, economic and environmental resilience and equity in agriculture and energy systems by improving the adaptive capacity of agricultural and energy systems. It covers the Eastern, Central, Copper belt, Lusaka and Southern provinces, initially targeting 11,300 smallholder farmers.



SNV is a not-for-profit international development organisation that makes a lasting difference in the lives of people living in poverty by helping them raise incomes and access basic services. We focus on three sectors – agriculture, energy, and water, sanitation and hygiene (WASH) – and have a long-term, local presence in around 24 countries in Asia, Africa, and Latin America. Our team of around 1,300 staff is the backbone of SNV.

[www.snv.org](http://www.snv.org)

**For more information, contact:**

Harko Koster, Global Lead Climate and Business, [climate@snv.org](mailto:climate@snv.org)

