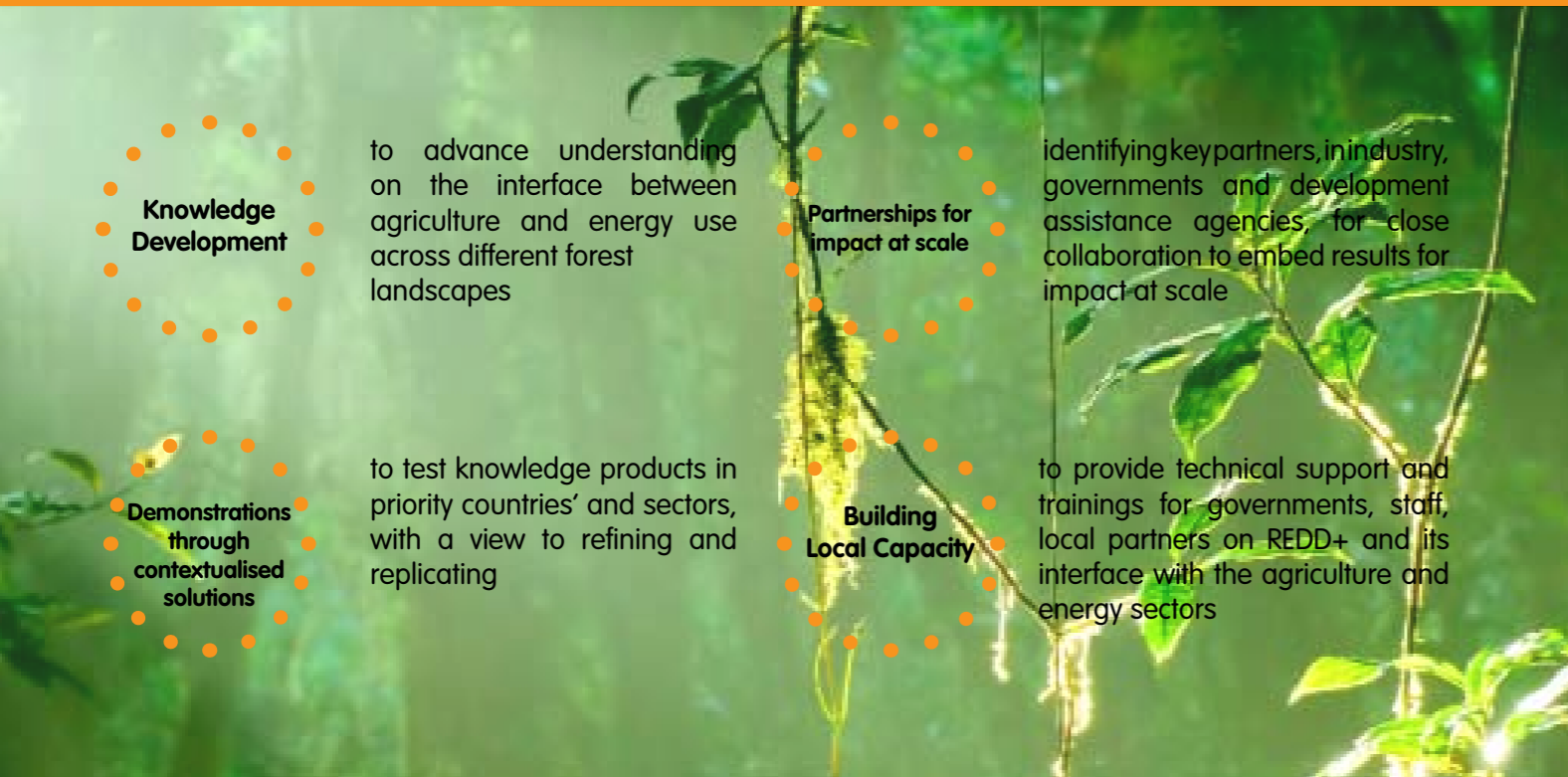


# The REDD+ Energy and Agriculture Programme



A key challenge for achieving reduced CO<sub>2</sub> emissions from the forestry and land use sectors is how to balance increasing demand for agricultural products and local biomass energy needs whilst improving the livelihoods of local communities, in a manner that does not continue the extensive clearing and/or degradation of forests. SNV has established the “REDD+ Energy and Agriculture Programme” (REAP) to advance understanding, pilot interventions and to introduce REDD+ compatible agriculture and energy solutions.

# What is REAP?



## The REAP Project Sites

The first phase of the REAP will focus on 6 countries: Burkina Faso, Cameroon, Democratic Republic of Congo, Ghana, Indonesia and Vietnam. Other countries will be explored for Phase II.

REAP will be connected to the 100's of SNV in-country advisors delivering solutions in the agriculture and renewable energy sectors.



# Pilot Interventions

## Integrated shrimp/mangrove in Ca Mau, Vietnam

Vietnam has lost half its mangroves over the past 30 years, more recently as a result of clearing for shrimp ponds. Healthy mangroves make important contributions to both climate change adaptation and mitigation. To help reverse this trend and increase local incomes SNV in partnership with Ca Mau Province are working with shrimp importers, processors and farmers to introduce eco-shrimp production in areas of high deforestation and degradation. Part of the project will look to establish more simplified systems to account for changes in GHG emissions; as well as introduce options for waste to energy systems.

## Wood fuel demand in West and Central Africa

Wood fuel is the largest consumer of wood in all target countries of REAP in West and Central Africa. The removal of large volumes of wood from forests leads to encroachment and degradation of forested areas, representing a major source of carbon emissions. SNV is introducing a programme to further examine the role of wood fuel as a driver of deforestation; identify and introduce technologies to improve fuel harvesting, conversion and utilisation efficiency; and potential strategies to address governance and regulatory problems.

## Cocoa-eco programme in Ghana/Cameroon

This programme will contribute to increased cocoa productivity and livelihood improvements, with enhanced natural resource management by limiting the encroachment of cocoa plantations onto forest lands. Analysis on the link between increased productivity and reduced encroachment as well as systems to measure changes in GHG emissions will be tested. The programme will focus on small holder agro-forestry production systems in Ghana and Cameroon.

## Smallholder Palm Oil in Indonesia and DRC

Increasing production in existing palm oil plantations is a promising strategy to break the link between palm oil development and deforestation. In smallholder plantations there is a high potential for increasing production, especially in the replanting phase. SNV is developing a program to work with this group, providing training in best management practices and certification. In addition, SNV will provide support for optimizing the use of waste streams for energy production and to introduce microfinance schemes to provide income in unproductive periods.



# The REAP Core Team



**Richard McNally**

REAP Co-ordinator; Ho Chi Minh City, Vietnam

**Expertise:** Program development, strategy and fundraising; REDD+ readiness and implementation; low emissions development strategies; carbon markets; REDD+ funding; REDD+ compatible energy and agricultural solutions; international climate change negotiations



**Keshav Das**

Senior Climate Finance Advisor; Kathmandu, Nepal

**Expertise:** carbon asset development in energy and LULUCF sectors, household renewable energies, energy auditor, climate finance including Nationally Appropriate Mitigations Actions (NAMAs) and New Market Mechanisms



**Timothy Gatora**

REDD+ Advisor for Africa; Harare, Zimbabwe

**Expertise:** Support knowledge development and technical backstopping in SNV REDD+ initiatives; carbon accounting in AFOLU sectors, integrated carbon projects development in smallholder agro-systems, environmental systems analysis, agriculture-energy nexus, climate change.



**Hans Smit**

Multi-country Commodities and Climate Change; Jakarta, Indonesia

**Expertise:** sustainable agriculture practices (oil palm/Jatropha/ sugarcane/ rapeseed), ecosystem services, GHG calculation methods, European energy policy (RES-D), EIA (HCV), RSPO P&C, sustainable land use planning, Responsible Cultivation Areas methodology



**Arend Van Der Goes**

West and Central Africa Coordinator; Ouagadougou, Burkina Faso

**Expertise:** sustainable forestry, environmental offsets, engagement with mining companies, climate change, alternative energy

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