Abbreviations and acronyms

A/R afforestation/reforestation

C carbon

CO₂ carbon dioxide

carbon dioxide equivalent

GDP gross domestic product

GHG greenhouse gas

GWP global warming potential

ha hectare

ICAT Initiative for Climate Action

Transparency

IPCC Intergovernmental Panel on

Climate Change

IPCC 2006 GL 2006 IPCC Guidelines for National

Greenhouse Gas Inventories

m³ cubic metre

NAMA nationally appropriate mitigation

action

NDC nationally determined contribution

NGO non-governmental organization

PES payment for ecosystem services

REDD+ countries' efforts to reduce

emissions from deforestation and forest degradation, and foster conservation, sustainable management of forests, and enhancement of forest carbon

stocks

SDG Sustainable Development Goal

SFM sustainable forest management

UNFCCC United Na

United Nations Framework Convention on Climate Change

Glossary

Assessment periodThe time period over which GHG impacts resulting from a policy are assessed

Assessment report A report, completed by the user, that documents the assessment process, and the

GHG, sustainable development and/or transformational impacts of a policy

Baseline scenario A reference case that represents the events or conditions most likely to occur in

the absence of a policy (or package of policies) being assessed

Causal chain A conceptual diagram tracing the process by which a policy leads to impacts

through a series of interlinked logical and sequential stages of cause-and-effect

relationships

Emission factor A factor that converts activity data into GHG emissions data

Ex-ante assessment The process of estimating expected future GHG impacts of a policy (i.e. a forward-

looking assessment)

Ex-post assessment The process of estimating historical GHG impacts of a policy (i.e. a backward-

looking assessment)

Expert judgment A carefully considered, well-documented qualitative or quantitative judgment

made in the absence of unequivocal observational evidence by a person or persons who have a demonstrable expertise in the given field.³³ Users can apply

their own expert judgment or consult experts.

GHG assessment boundary The scope of the assessment in terms of the range of GHG impacts that is

included in the assessment

GHG impacts Changes in GHG emissions by GHG sources and carbon pools that result from a

policy

Impact assessment Estimation of changes in GHG emissions or removals resulting from a policy,

either ex-ante or ex-post

Independent policies Policies that do not interact with each other, such that the combined effect of

implementing the policies together is equal to the sum of the individual effects of

implementing them separately

Inputs Resources that go into implementing a policy, such as financing

Interacting policies Policies that produce total effects, when implemented together, that differ from

the sum of the individual effects had they been implemented separately

Intermediate effects Changes in behaviour, technology, processes or practices that result from a policy,

which lead to GHG impacts

³³ IPCC (2006).

Jurisdiction The geographic area within which an entity's (such as a government's) authority is

exercised

Key performance indicator A metric that indicates the performance of a policy

Monitoring period The time over which a policy is monitored, which may include pre-policy

monitoring and post-policy monitoring in addition to the policy implementation

period

Negative impacts Impacts that are perceived as unfavourable from the perspective of decision

makers and stakeholders

Overlapping policies Policies that interact with each other and that, when implemented together, have

a combined effect less than the sum of their individual effects when implemented separately. They include both policies that have the same or complementary goals and counteracting or countervailing policies that have different or opposing goals.

Parameter A variable such as activity data or emission factors that are needed to estimate

GHG impacts

Policy or action, or policy and

measures

An intervention taken or mandated by a government, institution or other entity, which may include laws, regulations and standards; taxes, charges, subsidies and incentives; information instruments; voluntary agreements; implementation of technologies, processes or practices; and public or private sector financing and investment

Policy implementation period The time period during which a policy is in effect

Policy scenario A scenario that represents the events or conditions most likely to occur in the

presence of a policy (or package of policies) being assessed. The policy scenario is the same as the baseline scenario except that it includes the policy (or package of

policies) being assessed.

Positive impacts Impacts that are perceived as favourable from the perspectives of decision

makers and stakeholders

Rebound effect Increased consumption that results from actions that increase efficiency and

reduce consumer costs

Stakeholders People, organizations, communities or individuals who are affected by, and/or

who have influence or power over, a policy

Sustainable development

impacts

Changes in environmental, social or economic conditions that result from a policy, such as changes in economic activity, employment, public health, air quality and

energy security

Uncertainty (1) Quantitative definition: Measurement that characterizes the dispersion

of values that could reasonably be attributed to a parameter. (2) Qualitative definition: A general term that refers to the lack of certainty in data and methodological choices, such as the application of non-representative factors or

methods, incomplete data or lack of transparency.

References

- Dickie, Amy, and others (2014). Strategies for Mitigating Climate Change in Agriculture: Abridged Report. Climate Focus and California Environmental Associates, prepared with the support of the Climate and Land Use Alliance. Available at www.agriculturalmitigation.org.
- EC (European Commission) (2008). *Guide to Cost Benefit Analysis of Investment Projects*. Available at http://ec.europa.eu/regional_policy/sources/docgener/guides/cost/guide2008_en.pdf.
- Investopedia (2017). Available at www.investopedia.com.
- IPCC (Intergovernmental Panel on Climate Change) (2000). Good Practice Guidance and Uncertainty Management in National Greenhouse Gas Inventories. Hayama: Institute for Global Environmental Strategies, IPCC. Available at www.ipcc-nggip.iges.or.jp/public/gp/english.
 - ——— (2006). 2006 IPCC Guidelines for National Greenhouse Gas Inventories, Simon Eggleston and others, eds. Hayama: Institute for Global Environmental Strategies. Available at www.ipcc-nggip.iges.or.jp/public/2006gl.
 - —— (2014). Summary for Policymakers. In Climate Change 2014: Mitigation of Climate Change. Contribution of Working Groups III to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change, Ottmar Edenhofer and others, eds. Cambridge and New York: Cambridge University Press. Available at www.ipcc.ch/pdf/assessment-report/ar5/wg3/ipcc_wg3_ar5_summary-for-policymakers.pdf.
- Liu, Enke, and others (2013). Long-term effect of manure and fertilizer on soil organic carbon pools in dryland farming in northwest China. *PLoS ONE*, vol. 8, no. 2, e56536. Available at https://doi.org/10.1371/journal.pone.0056536.
- MAPA (Ministério da Agricultura, Pecuária e Abastecimento) (2015). Projeções do Agronegócio Brasil 2014/15 a 2024/25. Projeções a longo Prazo, pp. 133. Brasilia.

- USAID (United States Agency for International Development) (2015). *USAID Guidelines: Cost-Benefit Analysis*. Washington, D.C.
- Verra (2014a). Global Commodity Leakage Module: Effective Area Approach, version 1.0. Washington, D.C. Available at http://verra.org/methodology/vmd0036-global-commodity-leakage-module-effective-area-approach-v1-0.
- VOLANTE (2015). VOLANTE Roadmap for Future Land Resource Management in Europe: the Scientific Basis, B. Pedroli and others, eds. The Netherlands: Alterra Wageningen UR. Available at www.volante-project.eu/images/stories/DELIVERABLES/The_VOLANTE_Roadmap_towards_Sustainable_Land_Resources_Management_in_Europe_Scientific_Basis.pdf.
- WRI (World Resources Institute) (2014). *Policy and Action Standard*. Washington, D.C.: Greenhouse Gas Protocol, WRI. Available at www.ghgprotocol.org/policy-and-action-standard.

Contributors

Methodology development leads

Carolyn Ching, Verra (co-lead)

Katie Goldman, Greenhouse Gas Management Institute (technical lead)

Molly White, Greenhouse Gas Management Institute

Drafting team

Christopher Manda, Environmental Affairs Department, Ministry of Natural Resources, Energy and Mining, Malawi (TWG member)

Gordon Smith, Greenhouse Gas Management Institute

Michael Gillenwater, Greenhouse Gas Management Institute

Patrick Cage, Greenhouse Gas Management Institute

Samantha Citroen, Fauna and Flora International (TWG member)

Stelios Pesmajoglou, Greenhouse Gas Management Institute

Sudha Padmanabha, Fair Climate Network (TWG member)

Technical Working Group

Alcilene Freitas Bertholdo de Souza, Ministry of Environment, Matto Grosso

Arief Darmawan, Universitas Lampung

Bertrand Tessa Ngankam, World Resources Institute

Caroline Lucia Costa Moia Chichorro, Ministry of Environment, Matto Grosso

Delon Marthinus, The Nature Conservancy

Edwin Aalders, DNV GL

Erica Meta Smith, Terra Global Capital

Florian Reimer, South Pole Group

Kimberly Todd, United Nations Development Programme

Mamoutou Sanogo, Agency for Environment and Sustainable Development

Nancy Harris, World Resources Institute

Pipa Elias, The Nature Conservancy

Sarah M Walker, Winrock International

Tran Viet Dong, Fauna and Flora International

Xavier Hatchondo, Ecocert

Reviewers

David Ross, Grupo Ecológico Sierra Gorda

Denis Mahonghol, TRAFFIC

Geoff Roberts, Mullion Group

Grupo Ecológico Sierra Gorda, Mexico

Pablo Reed, independent consultant

Pilot organizations