

**WORKING PAPER** 

VCM Related Claims
Categorization, Utilization,
& Transparency Criteria

### ABOUT VCMI

The Voluntary Carbon Markets Integrity Initiative (VCMI) is a multistakeholder platform to drive credible, net zero aligned participation in voluntary carbon markets (VCMs). VCMI's goal is to ensure VCMs make a significant and meaningful contribution to climate action and limit global temperature from rising to 1.5°C above pre-industrial levels, while also supporting the achievement of the UN Sustainable Development Goals (SDGs).

Through consultation with stakeholders from civil society, the private sector, Indigenous Peoples, local communities, and governments, VCMI intends to develop and communicate guidance on how carbon credits can be voluntarily used and claimed by businesses and others as part of credible, net zero decarbonization strategies. It also engages countries to support development of strategies to access VCMs to drive ambitious climate mitigation.

The UK Government is supporting VCMI, as announced by COP26 President-Designate Alok Sharma at the Climate and Development Ministerial on 31 March 2021. To date, VCMI has been led by Meridian Institute, a US-based not-for-profit organization, and supported by consultants (hereafter referred to as the VCMI Consortium).

The VCMI Consortium's role is to refine the scope, governance and processes that will underpin VCMI in its future phases. The Initiative is co-funded by the Children's Investment Fund Foundation (CIFF) and the UK Department for Business, Energy and Industrial Strategy (BEIS).

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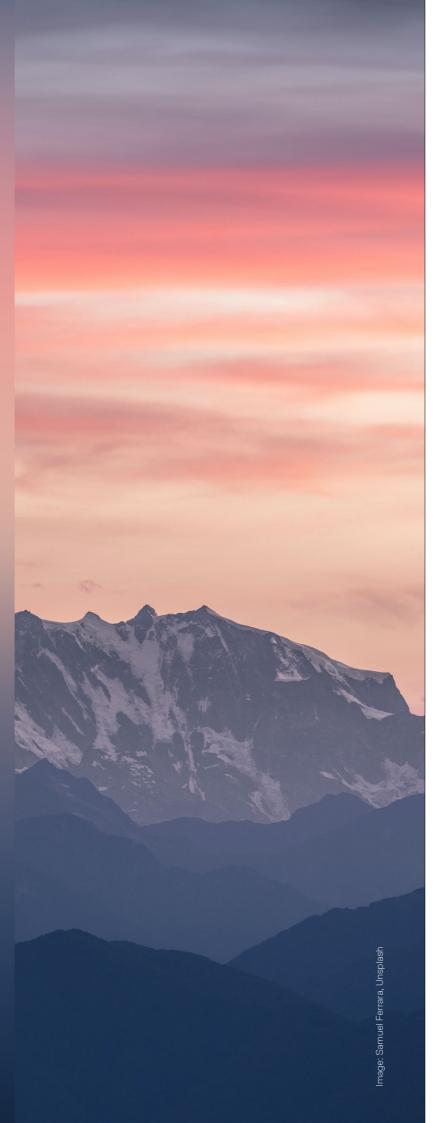
### **ABOUT THIS PAPER**

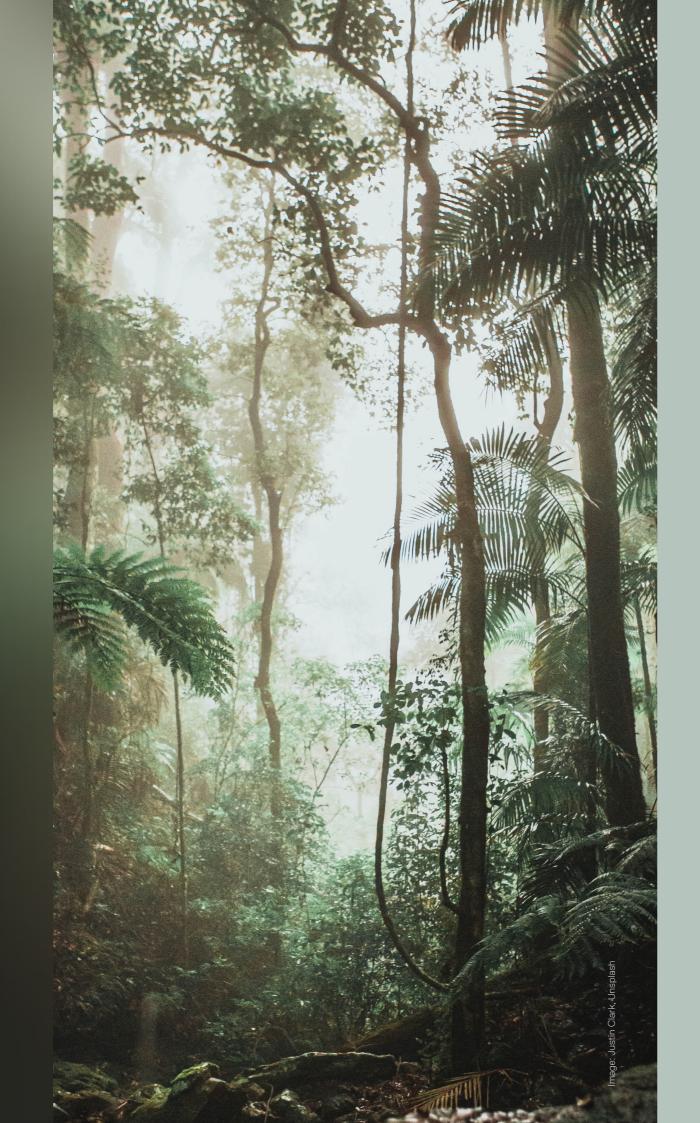
This VCMI Working Paper is a product of the VCMI Consortium working in collaboration with staff from the VCMI funders. This paper was written by Climate Focus, reflecting the opinions of the broader VCMI Consortium and funders. The paper has not been reviewed nor approved by the VCMI Steering Committee, which was being formed as the paper was being developed. The intent of the proposal is to spur dialogue and an exchange of ideas amongst all key stakeholders to inform the development of VCMI guidance on matters addressed in this proposal during the next

phase of the VCMI process, which will be governed by the VCMI Steering Committee (which you can learn more about <u>here</u>).

The subject matter addressed in this Working Paper relies upon a complex, evolving, and interrelated set of key terms. In an effort to be clear about the definitions used, the VCMI Consortium has developed a Glossary of Key Terms (Annex A).

If you would like to give feedback, please contact vcmi@merid.org





### I. Context

### Context

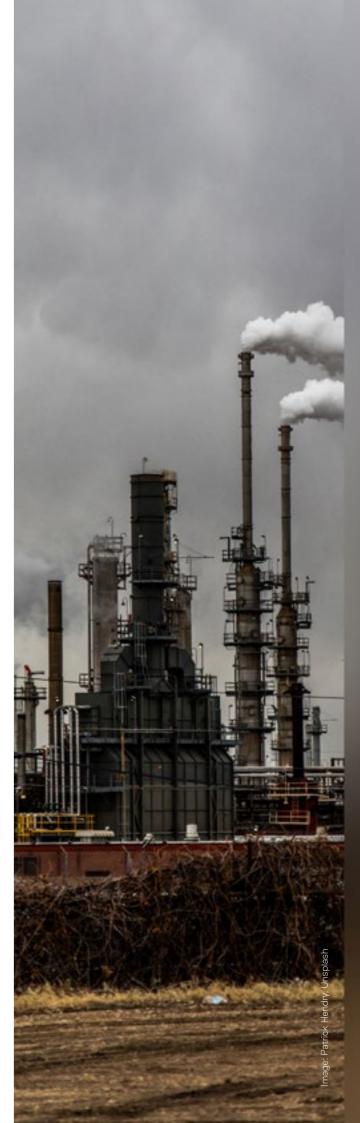
Today, hundreds of companies are making a variety of statements associated with their carbon credits transactions, their current greenhouse gas (GHG) emissions performance, and future mitigation commitments. The proliferation of claims leads to confusion and has the potential to undermine the trust in voluntary carbon markets (VCMs). With this shadow cast over VCMs, they will be unable to realize their full potential as a tool for accelerating climate action, particularly in low- and middle-income countries. The risks for companies range from loss of reputation, stemming from accusations of overstating climate performance, to potential fines by domestic authorities and litigation (where such claims are deemed to be to false or deceptive).i Also, without clear and transparent guidance on the use of claims, investors and consumers will not be able to efficiently allocate capital and direct their purchasing power to incentivize real company leadership on climate mitigation.

Claims made in the context of VCMs are susceptible to a number of issues that are similar to those affecting broader corporate social responsibility claims. Crucially, a lack of transparency and independent oversight has resulted in limited public confidence in claims for several reasons:

- The activities, inputs, or processes upon which claims are based are often internal to a firm's operations and largely unobservable to outsiders. Companies do not always disclose their use of offsets. In addition, there is no common mechanism for understanding which credits have been in support of which claims. While a number of climate-related disclosure initiatives are emerging to shed light on companies' climate strategies, the quality, consistency, and granularity of information provided remains patchy.
- Often, claims are formulated with vague or imprecise language. Even the most commonly employed terms such as net zero and carbon neutral are used by different companies to mean different things and represent different actions.
   This creates confusion about what exactly a company is claiming, leaving room for misinterpretation even when there is no intention to mislead shareholders, investors, or consumers.
- The absence of robust or independent oversight can incentivize companies to disguise or strategically overstate their climate performance for reputational gains and market share – an approach that has been dubbed "greenwashing".

But this does not mean that companies should refrain from engaging in VCMs. On the contrary, VCMs provide a valuable opportunity to contribute to global climate change mitigation and secure the environmental integrity of emission reductions achieved. To fully maximize this potential, it is important that any claims made based on VCM engagement accurately reflect the nature of the engagement. In addition, the array of possible claims should be clearly structured according to their potential climate impact and accuracy in framing the use of carbon credits, including what is required from a company to merit each claim.

We therefore propose a high-level categorization scheme and a preliminary classification of claims to better equip consumers, investors, shareholders, and other stakeholders in their purchasing, investment, and boardroom decisions. Our proposal also seeks to support companies in understanding exactly what they have committed to and how to clearly communicate it. A summary of options as to how to appropriately govern the development and oversight of these claims are also presented.



i) For instance, in 2021, Reclame Fossielvrij and Greenpeace Netherlands filed a complaint against Shell and its "Drive CO<sub>2</sub> neutral" campaign. It is argued that Shell – by selling "CO<sub>2</sub> compensation" in conjunction with Shell fuels – promotes a product that does not, and cannot, do what it promises, thereby violating the Dutch Advertising Code. A decade earlier, in 2010, an Australian energy company was found to have misled customers from whom it had accepted payments after promising to acquire carbon credits on their behalf. The Australian Competition and Consumer Commission found that the company had not purchased as many credits as promised, forcing the company to buy additional credits and deregistering them from the Global Green Programme.



II.
General Characteristics
of Environmental Claims

### General Characteristics of Environmental Claims

Environmental or green claims are assertions that companies or organizations make about environmentally beneficial attributes that are relevant to their operations.<sup>2</sup> Such environmental claims may be made in relation to a product, a service, a brand, or a company. These claims may be presented as statements in sustainability reports, press releases, labels, advertising, or other marketing material.<sup>3</sup> Importantly, environmental claims are also heterogenous in their temporal scope, and vary in whether they cover the environmental impacts of past, present, or future activities. Notwithstanding these differences, the main function of environmental claims is to enable interested stakeholders - such as consumers, investors, and civil society organizations - to assess the relative environmental impact of products, investments, or organizations.

Both public and private actors have developed guidance on credible and legitimate environmental claims. At the national level, standards and guidance have been developed by government bodies such as the Federal Trade Commission in the US, the Advertising Standards Authority in the UK, the Authority for Consumers and Markets in The Netherlands, and the Competition & Consumer Commission in Australia. At the supranational level, the European Union is expected to issue a legislative proposal on the substantiation of green claims during the course of 2021, as part of the European Green Deal.<sup>4</sup>

In turn, in the private sphere, the International Organization for Standardization (ISO) has developed dedicated standards covering three types of environmental claims: labelling schemes based on a number of clearly defined criteria and which are third-party certified; self-declared environmental claims, in which claims are made without third-party certification; and environmental declarations involving a specific aspect of a product based on an independently verified life-cycle approach.<sup>ii 5</sup> In addition, ISO has developed general (non-certifiable) standards such as the ISO 2600, which provides guidance to all types of organizations on social responsibility matters and claims. Lastly, ISO is currently developing the standard ISO 14068 on greenhouse gas management and related activities, which is expected to provide clear definitions and parameters for carbon neutrality.6

Environmental claims are now widespread and there is considerable diversity regarding their sectoral coverage as well as the environmental impacts covered. To navigate this diversity, legislation and industry standards have typically been designed with specific sectors and/or environmental impacts in mind. The public and private governance of sustainability claims is particularly well developed for renewable energy claims, the labelling of food products, and energy efficiency ratings for household appliances (Box 1). The pros and cons of these governance approaches may in the future help inform the development of a more robust governance model for VCM and carbon credit-related claims.

ii) Respectively: Type I, Type II and Type III claims. The three types of claims are guided by separated ISO standards: the standard ISO 14024 sets a rigorous framework and well-functioning guide for Type I ecolabels; standard ISO 14021 provides guidance for self-declared Type II claims; and standard ISO 14025 establishes the principles and specifies the procedures for developing Type III environmental declaration.



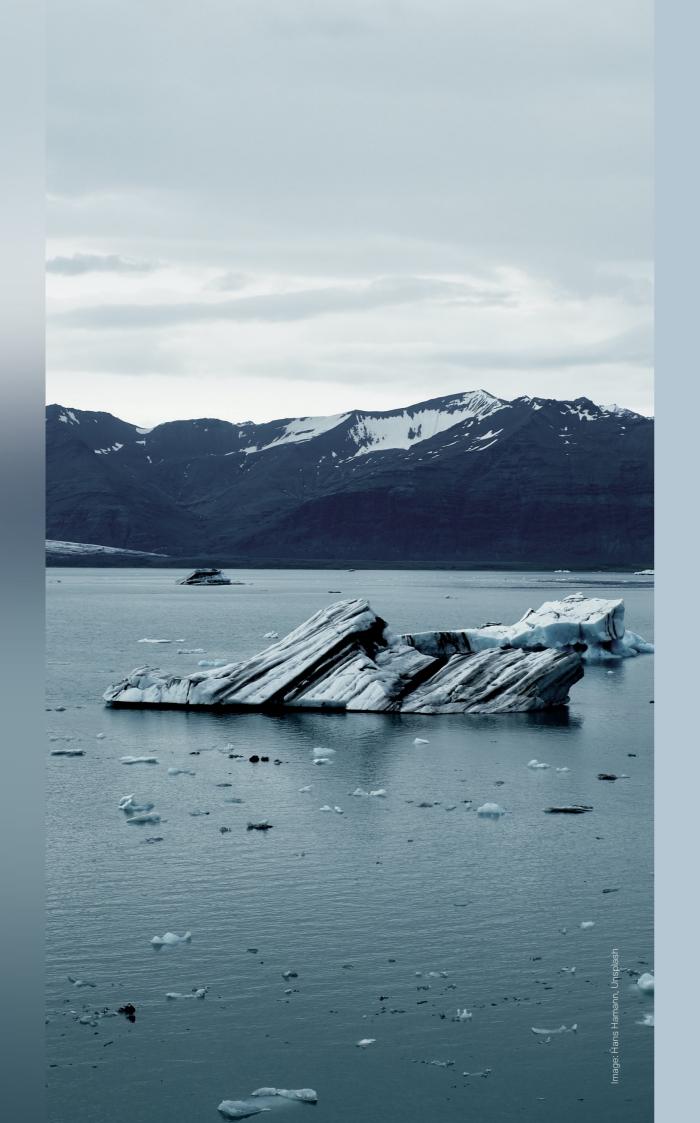
Image: Mehrad Vosoughi, Unsplash

### Box 1: Governance of Renewable Energy Claims, Food Labels, and Energy Efficiency Ratings

Companies are increasingly setting targets to incorporate renewable energy in their portfolios.<sup>7</sup> The regulation of ensuing claims varies between countries. In the United States, renewable energy claims are regulated by the Federal Trade Commission (FTC) through Green Guides.<sup>8</sup> The Guides posit that renewable energy claims are only valid and non-deceptive when they are fully, clearly, and prominently substantiated, specifying the share of renewable energy involved in the manufacturing and operational processes that allow a product to be produced or a service to be provided.<sup>9</sup> Companies that make claims that do not follow this guidance can face enforcement action against deceptive claims, including fines.<sup>10</sup>

Eco-labelling of food products is an increasingly widespread practice, with 73 eco-labels on food in Europe alone. The EU has been governing misleading green claims since the mid-2000s as part of the Directive 2005/29/EC on unfair commercial practices. Notably, organic labels are defined and regulated by Regulation (EC) No 834/2007, which sets out the requirements for advertising labels and commercial documents. The regulation includes a list of accepted terms and abbreviations and explicitly prohibits the misleading use of such labels when the requirements are not met. Similarly, EU Regulation (EC) No 1924/2006 was adopted in 2006 with the purpose of eliminating unsubstantiated and misleading claims and only allowing claims that are scientifically proven and that consumers can trust. The regulation established harmonized rules for the use of health and nutrition claims in food and set up an ex-ante control mechanism, clearly indicating allowed nutrition claims and their conditions of use and prohibited health claims and the reasons for their non-authorization. Explantation of the conditions of use and prohibited health claims and the reasons for their non-authorization.

In 1992, the EU introduced an energy efficiency labelling system under the EU Directive 1992/75/EC, which was subsequently reviewed, broadened and ultimately replaced by more recent directives and regulations.<sup>13</sup> The system rates the energy efficiency of household appliances like white goods, cars and lighting – with A being the most energy efficient and G the least – and provides additional information to enable consumers to choose between comparable models. The labels must be included in catalogues and websites and, as of March 2021, in the European product database for energy labelling. Companies that do not provide adequate energy efficiency labels on their products, promotional material, and in the database are not permitted to place their products on the European market.<sup>14</sup>



# Offsetting and Non-Offsetting Uses of Carbon Credits

### Offsetting and Non-Offsetting Uses of Carbon Credits

Carbon credit-related claims are an increasingly prolific type of environmental claims, for which robust governance and guidance is largely lacking. While companies have made claims that involve carbon credits since voluntary carbon markets began operating in the late 1980s, best practices around how to formulate such claims have evolved significantly and continue to be shaped.

Through engagement in carbon markets, companies have been able to acquire carbon credits to offset emissions for compliance purposes (if they have mandatory GHG reduction obligations), or to offset emissions for voluntary purposes (which enables them to, for example, claim carbon neutrality of brands, product lines, events, and organizations).

In this context, offsetting has been broadly understood to be an environmental instrument representing a real environmental benefit that can be traded to counteract an environmental harm occurring someplace else. In general terms, offsetting simply means that one does something that results in extra good that is equivalent – in magnitude, approximate timing, and recipient population – to the

original harm done". <sup>16</sup> In its ordinary and usual meaning, offsetting thus alludes to the action of (counter-) balancing an opposing effect. <sup>17</sup>

Regardless of whether they are ultimately used for voluntary or compliance purposes, most carbon credits are vetted for common quality features by carbon standards: (i) robust baseline; (ii) additionality; (iii) permanence of emission reductions; (iv) prevention of leakage; and (v) absence of double counting. Some standards will also assess and certify other attributes, such as biodiversity conservation and sustainable livelihoods. Although all carbon standards "claim" to produce high-quality and reliable carbon credits, they inevitably vary in their approach to securing these quality features, leading to different quality outcomes.

The benefits of offsetting an environmental harm using high-quality carbon credits have long been recognized. By allowing entities to contribute to environmental action through investments in projects where a given benefit can be achieved at a lower cost, offsetting can both promote environmental gains in a cost-efficient manner and deliver finance where it is most needed. Moreover, some types of offsets

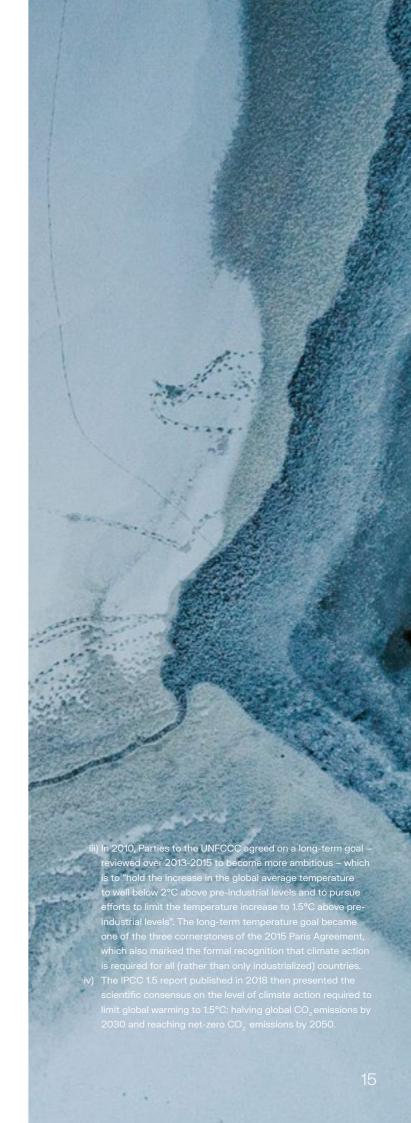
particularly from nature-based solutions
 (NBS) – often come paired with several other environmental benefits.

Despite these advantages, the role of offsets in delivering complete environmental solutions is clearly limited. Simply netting out emissions carries an inherent disincentive for actual and steady emission reductions within corporate boundaries. The major risk is that offsetting provides a license to companies to continue polluting and delaying their own GHG reductions. Offsetting is therefore increasingly considered a supplementary measure to be carefully managed to ensure it does not replace other forms of public and private action.<sup>20</sup>

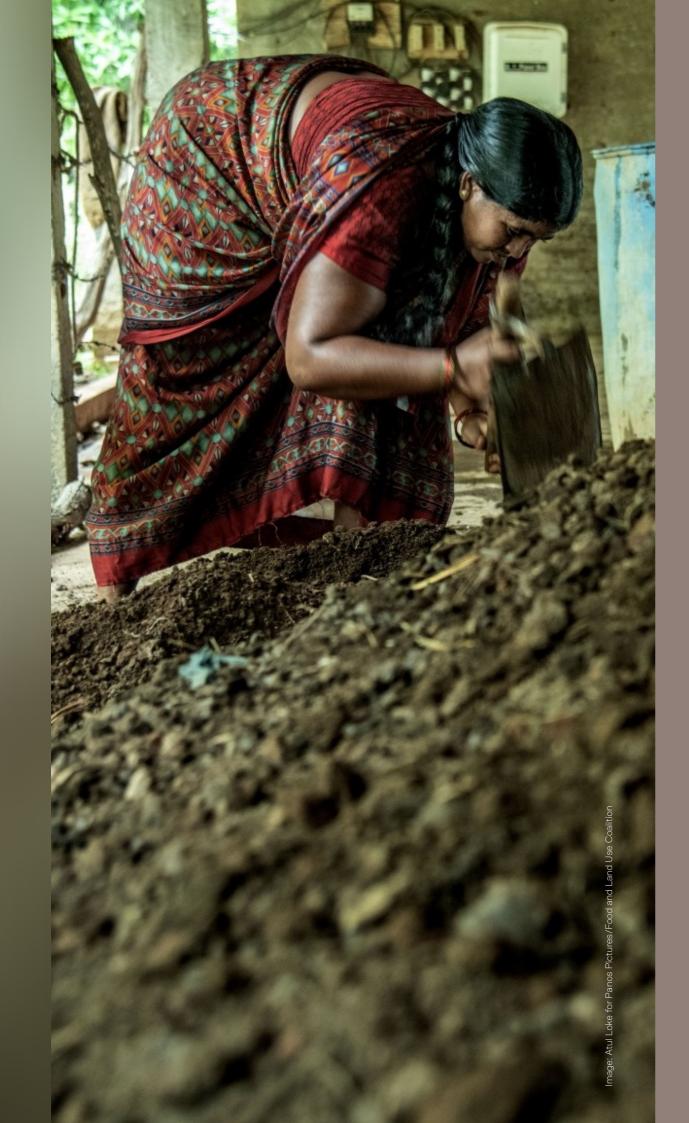
The recognition of the supplementary nature of carbon offsetting has become more acute with the signing of the Paris Agreement and international consensus around an appropriate global temperature goal, as well as the breadth of climate action required to reach this goal. In this context, the role of carbon offsetting in the collective effort to limit global warming to 1.5°C is being revisited.

As a result of these discussions, proposals are emerging for more nuanced terminologies and approaches for the use of carbon credits in corporate climate strategies. On the one hand, terms like "compensation" and "neutralization" (see Glossary in Annex A and discussions further below) have been proposed by the Science Based Targets initiative (SBTi) to address some of the abovementioned risks of offsetting. On the other hand, innovative approaches are also emerging for claims that do not rely on offsetting one's own emissions, but rather on contributing to mitigation benefits generated elsewhere. A common thread among these proposals is that offsetting, when used as a substitute for immediate climate action (hereafter "offsetting as a substitution"), must give space to the new forms of using carbon credits.





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IV.
Proposed
Categorization
of Carbon Credit
-Related Claims

### Proposed Categorization of Carbon Credit-Related Claims

### **OVERVIEW**

Companies engage in VCMs for a variety of reasons and end purposes. As a result, a range of different claims are made along the carbon credit supply-demand spectrum, from the moment companies decide to acquire carbon credits to the moment these companies opt to use voluntary carbon credits as part of their corporate climate mitigation and marketing strategies. In the following sections, we suggest a classification to better understand and organize VCM-relevant claims according to the moment in which the action or benefit underpinning the claim is realized:

- (i) Claims about what a company pledges to do, i.e. a future 'commitment', are referred to as commitment claims, such as reaching net zero by 2050; and
- (ii) Claims about changes to the status quo, i.e. what has been achieved, are referred to as 'achievement' claims, such as claiming to be carbon neutral today or offering a carbon neutral product.

Most companies will engage in both commitment and achievement claims. Commitment claims are normally communicated in companies' sustainability reports and media announcements, while achievement claims are generally made through labelling, advertising, or other promotional materials. Commitment claims are often geared towards institutional stakeholders, such as shareholders, investors, employees, or governments, whereas achievement claims are generally public-facing and largely directed to consumers and customers.

At present, most commitment and achievement claims rely on carbon credits to offset or compensate some of a company's emissions. These commitment and achievement claims are underpinned by the carbon credit usage right, where buyer and

seller contractually agree on who (a) holds the right to account for the mitigation benefit produced by the carbon credit, and (b) has the right to (exclusively) lay claim over the credited emission reductions. <sup>21</sup> Importantly, this usage right should be defined at the moment buyers and project or program developers enter into carbon transactions and made public by the VCM standard and electronic registry selected by the contracting parties. <sup>v</sup>

Companies may also opt for more innovative approaches that involve investment or acquisition of carbon credits as part of climate and/or other SDG-related goals without using these credits as offsets. In this case, the company would be providing a contribution to mitigation, with the mitigation benefit associated with the carbon credits transacted being accounted only by the host country. To this end, carbon credits could be cancelled and coupled with a clarification that they are not to be used as an offset or for carbon neutrality purposes.

Figure 1 provides an overview of the proposed high-level categorization for claims based on the use of carbon credits. Clearly defining the carbon credit usage right with sellers is a precondition for companies to make credible commitment and achievement claims. In turn, having in place a robust (Paris-aligned) commitment to abating their own emissions becomes a pre-condition for companies to make credible achievement claims. Both commitment and achievement claims are further explained and exemplified in the following sub-sections.

### Figure 1: Proposed Categorization of Carbon Credit-Related Claims

### Representations towards host countries and sellers of credits

Carbon credit is generated and verified on the VCM

### llsage right

### Carbon transactions

The carbon credit usage right is clarified, with buyer and seller defining who holds the right to account for the migration benefit produced and – where offsetting or compensation is chosen – whether a corresponding adjustment can already and will be applied.

### Importance

Clearly and transparently defined usage rights are a precondition for credible and fully substantiated commitment and achievement claims.

### Interested stakeholders

Primarily the host country and seller of carbon credits.

### Promises and representations towards institutional stakeholders and consumers

The carbon credit is used by a company to offset or compensate for emissions at an organizational or product level

### 1. Commitment claims

### <u>Nature</u>

Communicates an intent to reach a particular climate target by a certain year in the medium-to-long term period. 'Ex-ante', forward-looking and largely aspirational in nature

### Primary audience

International community as a whole, including investors, shareholders, employees, consumers and civil society organizations.

### Examples of claims

2040 net-zero commitment, 2030 carbon neutral commitment period



### 2 Achievement claims

### <u>lature</u>

Highlights a climatic feature or attribute that has already been measured and achieved. 'Ex-post' and conveys a statement of fact period

### Primary audience

Consumers and investors

### Examples of claims period

Carbon neutral company, carbon neutral coffee.



The black arrow indicates that a clear and transparently defined usage right is a precondition for credible commitment and achievement claims.



The light-blue arrow between commitment and achievement claims indicates that a credible achievement claim needs to be accompanied by a robust (forward-looking) commitment.

v) Furthermore, VCM standards will often try to prevent conflicting claims by requiring project owners to legally attest that they have an exclusive claim to the credited reductions. See https:// www.offsetguide.org/wp-content/uploads/2020/03/Carbon-Offset-Guide\_3122020.pdf

### Commitment Claims

Commitment claims refer to a pledge to reach a carbon or climate-relevant target over time. The commitment may involve establishing a path to reduce emissions within a company's value chain, and/or an intention to balance unabated value chain emissions with carbon credits at a future date.

Commitment claims communicate a corporate climate target – typically an intention to reduce emissions within a company's value chain and/or balance unabated value chain emissions – by a certain year in the mediumto-long term. These claims are aspirational in nature and often convey an intention to pursue a defined mitigation trajectory to reach the announced target.

Companies currently make a range of forward-looking commitments to reduce emissions, differing in scope (e.g. Scope 1 and 2, or Scope 1, 2, and 3) and ambition (e.g. relative or absolute, percentage reduction target, and end date). Companies may also use differing terminology to refer to similar outcomes. Table 1 provides examples of commitment claims.

### Table 1: Examples of Commitment Claims

# Commitment Claim To become a net zero company by a certain year We announce our plan to reduce our GHG emissions by half by 2030 and achieve net zero by 2050. Our pledge is to be net zero by 2050, even as the company continues to grow. This pledge has been guided and validated by a third party, and relates to the climate goals set out in the Paris Agreement. To become carbon neutral by a certain year We are committed to the goals set out in the Paris Agreement and we aim to become a carbon neutral organization by 2050. Our entire group will become carbon neutral by 2050, including vehicles, offices, plants and processes. To operate carbon-free by a certain year We are committing to operate carbon-free by 2030.

Historically, appropriate climate action at the corporate level has been framed in relation to what is required at a global level. The IPCC introduced the concepts of climate neutrality and net zero in the context of what is require globally from society to limit warming to 1.5°C defining climate neutrality as "a state in which human activities result in no net effect on the climate system. Achieving such a state would require balancing of residual emissions with

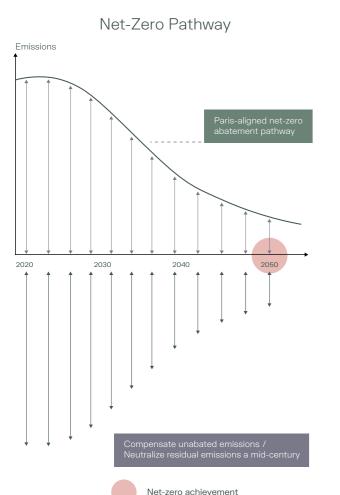
When applied at a sub-global scale (individual, organization, company, country, etc.), concepts such as net zero, carbon or climate neutral, and climate positive (or carbon negative) are still evolving and are likely to be further refined in the next years. However, a clear distinction is emerging in how the terms "net zero" and "carbon or climate neutral" are to be used by companies

According to the SBTi, to achieve net zero, companies must have a Paris-aligned target to reduce their value chain emissions at a specific rate and by a specific date — a "net zero abatement pathway", with any residual emissions removed by mid-century (or even before for more ambitious time frames). In the categorization proposed below, claims related to net zero would almost always be categorized as a commitment claim, since it would be extremely difficult for a company to abate all value chain emissions today with only residual emissions remaining (i.e. those which would be unabated at mid-century).

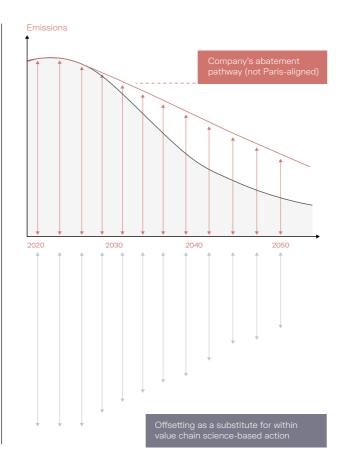
Regarding carbon or climate neutrality, there is also some uncertainty about how this should be applied at a sub-global level. For example, at present, companies can achieve carbon or climate neutrality through use of carbon credits from activities that reduce, avoid or temporarily capture GHGs,<sup>23</sup> which is a departure from the global definition of carbon neutrality, wherein emissions have to be permanently removed. Carbon or climate neutral corporate claims typically involve "offsetting as a substitution" - where in a company purchases carbon credits as a substitute for within value chain abatement without having a net zero abatement pathway in place (see Figure 2).24

Figure 2: Current Understanding of the Difference Between "Net Zero" and "Carbon Neutral" Commitments (Visualizations Illustrative)

### NET-ZERO PATHWAY



### **CARBON NEUTRAL**





### Achievement Claims

Achievement claims refer to claims made by companies to state that a product, brand or the entire organization has achieved carbon or climate neutrality status.

Achievement claims are assertions made by companies that their products already display certain climatic attributes, or that their business (or specific brands) have already achieved a specific climate target or ambition. In general, these claims convey a concrete statement of fact, as opposed to a promise or aspiration to reach a certain end-state by a future date. They also often relate to climate action that has already been duly monitored and verified.

The number of achievement claims has increased sharply in recent years, in line with consumers' environmental awareness and demand for more sustainable products and services. The most common carbon credit achievement claim is that of "carbon neutrality" or "climate neutrality" made at point of sale of products, or in relation to specific brands or businesses being "carbon" or "climate neutral" today.vii Table 2 below shows a range of examples of achievement claims.

vii) Carbon neutrality describes a state in which the carbon emissions released to the atmosphere by a stakeholder (individual, organization, company, country, etc.) have been reduced or avoided and the remaining ones are compensated with carbon credits from projects that reduce, avoid or remove GHGs. In contrast, climate neutrality also includes non-CO<sub>2</sub> emissions.

### Table 2: Examples of Achievement Claims

# Level Achievement claim neutral. We achieved this by optimizing our internal

Several carbon or climate neutrality standards exist that provide guidance in relation to such claims, including a thorough verification and labelling process. Nevertheless, such productor organization- level achievement claims often fail to frame carbon or climate neutrality in the context of a company's longer-term ambition and net zero abatement pathway. As a result, labels or promotional material announcing a product or organization as carbon or climate neutral could be construed by consumers and investors to mean zero emissions are being released to the atmosphere today. These achievement claims must thus be clarified to avoid confusing consumers and investors in their purchase or investment choices.

A key challenge of the use of carbon credits in achievement claims is whether they are seen as additional to emission mitigation within a company's value chain, or as an alternative, potentially displacing emission reduction activity. Tackling climate change will first and foremost require within value chain emission reductions. At present, however, the extent to which companies are committed to internal emission reductions is not always obvious through company achievement claims, such as "carbon neutral". The proposals for clarifying achievement claims later in this section attempt to improve the integrity of these claims. In particular, a pre-condition to making a credible achievement claim is that a company first adopts (and then stays on track with) a robust net zero abatement pathway.



### Carbon Credits as Broader Environmental Instruments (Non-Offsets)

Companies can also engage in VCM transactions outside of their net zero or carbon neutrality efforts with the objective to achieve SDGs, support sustainable development, contribute to a host country climate pledge, or contribute to collective climate targets. This approach addresses the pitfalls of offsetting that are increasingly contested and avoids the claiming of the emission reduction by both the host country and the corporate buyer.

Non-offsetting are sometimes referred to as "mitigation contribution". These contributions are not used for offsetting or carbon neutrality purposes, but rather to achieve broader corporate climate goals, and thus are more aligned with the collaborative spirit of the Paris Agreement. In order to give visibility and transparency to mitigation contributions, the

carbon credits acquired could be cancelled by companies, with the relevant carbon standard and electronic registry informing publicly that these carbon credits were cancelled for the purpose of making a mitigation contribution (and, as a result, no claims related to offsetting, compensation, or carbon neutrality will be made by the company involved in the transaction) (see Box 2 below).

Mitigation contributions in the form of cancelled credits have an important role to play, particularly in countries with competing policy priorities, limited financial resources, and constrained institutional abilities to implement ambitious climate measures. Cancelling carbon credits for providing a mitigation contribution has the following advantages. It:

viii The notion of mitigation contribution is being further discussed and developed by a number of organizations. See, for instance, WWF here, Gold Standard here, Carbon Market Watch here, Carbone 4 here.

- maintains the existing VCM structure,
   ensuring additionality and overall integrity of
   emission reductions produced and paid for;
- prevents a possible double claiming of mitigation efforts between the host country's Nationally Determined Contribution (NDC) and the carbon credit that a company has paid for;
- moves away from a zero-sum game in which an emission produced in one place is netted out by an equivalent reduction somewhere else (in particular, where companies are not progressing with their own abatement efforts); and supports developing countries in achieving or overachieving their climate pledges.
   This, in turn, may encourage even greater ambition by these countries under the Paris Agreement.
- If the VCM transaction for which cancelled carbon credits were issued is within a sector covered by the NDC, the host country will account for the emission reductions to achieve or where technically feasible to determine overachieve its current NDC. Where the mitigation activity is located outside the scope of the NDC, the emission reduction or removal will still show in the host country's GHG inventory, but the climate benefit will be "additional" and increase the host country's mitigation ambition outside the sectors covered by the NDC.

The Carbon Pricing Leadership Coalition's (CPLC) Draft Report on Net Zero Goals and Carbon Pricing recognizes that "mitigation contributions can be a vehicle for results-based capital flows to support ambition in developing countries, provided that



investments are made in high-value and high-integrity emission reductions or removals and are consistent with the host country's long-term strategy" – but it also stresses that so far companies have shown little appetite for it.<sup>25</sup>

There are different ways companies could communicate and frame a mitigation contribution in VCM transactions (either as a commitment or an achievement claim). For instance, the Gold Standard notes that companies could opt to simply communicate that they are taking responsibility for their emissions, without using purchased credits to offset their own emissions. Rather than claiming to have offset their emissions, the company would communicate the positive impact of the mitigation activities they have supported, including SDG-related outcomes.<sup>26</sup> WWF recommends, as one possible approach, that companies set aside a "corporate climate finance target" and communicate a commitment to "investing in effective decarbonization and climate resilience efforts outside of their company boundaries". 27 Carbon Market Watch suggests that a contribution

approach could also be framed as "contributing to countries' efforts towards meeting their climate targets under the Paris Agreement". It observes that, while this way of framing may sound less attractive to businesses, it can promote stronger ties between companies and developing countries and give more credibility to companies' commitments.<sup>28</sup>

Further guidance is needed to more clearly define a template for claims associated with mitigation contributions and how to best incentivize companies to adhere to this approach. As noted in CPLC's Draft Report, communicating what a mitigation contribution represents is likely to be more challenging than communicating offsetting strategies, but "may be viewed more credibly, particularly if grounded in a science-based net zero target". A sharper framing of what mitigation contributions truly represent to companies, stakeholders and their customers would be required to entice greater uptake.<sup>29</sup>



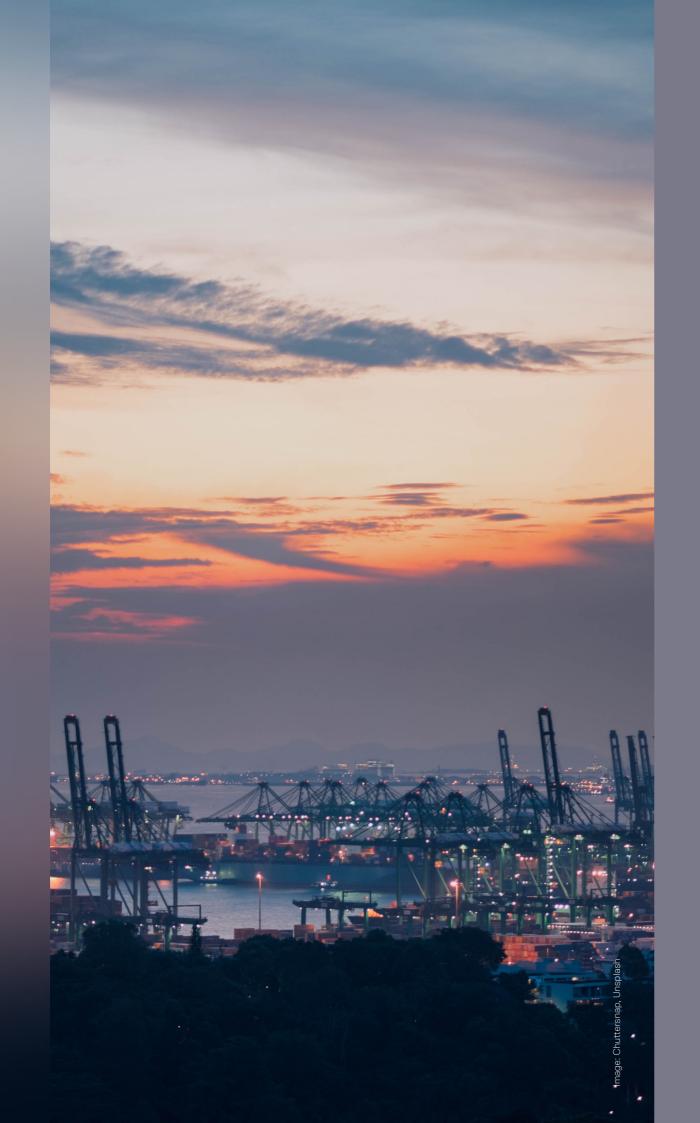
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### Box 2: Instrumentalizing the Mitigation Contribution Approach

One way of instrumentalizing the mitigation contribution approach while maintaining the existing VCM structure would be for companies to cancel acquired carbon credits and specify in the relevant electronic registry that no offsetting or carbon neutrality claims will be made as a result.

We note that the definitions of, and specifications related to, "cancellation" and "retirement" of carbon credits tend to vary between carbon standards and programs. While both result in credits being put out of circulation, their purposes differ in relation to whether credits are or are not used to meet a particular GHG target. In the context of the Kyoto Protocol, cancellation described a situation in which the carbon credit was internally transferred into a dedicated cancellation account such that it could no longer be used for compliance with an emissions target. In turn, retirement meant the internal transfer of a carbon credit to a specific retirement account. In the latter case, the owner of the carbon credit could claim to have reduced emissions and use those emissions to meet its climate commitments.

An analogous understanding can be applied for the VCM, where a "retirement" refers to the final use of carbon credits for the purpose of claiming the underlying mitigation benefit towards a company GHG target or carbon neutrality goal. In turn, "cancellation" refers to a situation in which the carbon credit is put out of circulation without being used towards any particular corporate target or carbon neutrality goal.<sup>30</sup>



## V. Organization of Claims

### Organization of Claims

Given the diversity in corporate climate commitments and the various ways that carbon credits can be used to deliver such commitments, it is important that companies know exactly what it is they are claiming and how to responsibly communicate it. However, claims companies make in relation to climate change and their use of carbon credits reflect a range of other attributes that complicate the creation of a consistent taxonomy of claims. For example, claims may differ according to:

- emissions coverage (e.g. Scope 1 and 2, or Scope 1, 2 and 3; whether the compensation efforts relate to future emissions, current emissions or historic emissions);
- commitments to reduction targets and target date (which may or may not be aligned to a 1.5°C Paris goal);
- credibility of the plan to achieve and remain on track with reduction targets, and the processes of external validation;
- types of carbon credits (i.e. emission reductions or removals); and accounting treatment of carbon credits (e.g. whether a given carbon credit is used to net out value chain emissions or whether the company makes a mitigation contribution).
- Together, these factors create a wide range of potential combinations of claim types. The following sub-sections propose a classification that enables commitment and achievement claims to be arranged in a broad hierarchy of quality and mitigation impact. The suggested classification is based on the following broad criteria and assumptions:

- companies making claims associated with the use of carbon credits need to commit to reducing emissions in their value chain through net zero abatement pathways;
- net zero abatement pathways should cover Scope 1, 2 and 3 emissions. Targets covering only Scope 1 and 2 emissions do not feature in the proposed classification;
- the highest quality commitments are net zero abatement pathways aligned with the Paris 1.5°C temperature goal, with other targets regarded as lower quality commitments;
- net zero abatement pathways should be underpinned by a credible low-carbon transition strategy, i.e. plans to achieve interim and long-term targets should be credible and independently verified;
- companies must be on track with net zero abatement pathways on a rolling average basis (to be further defined through further consultations and future guidance);
- having adopted a credibly net zero
   abatement pathway, a company can
   commit to neutralising its residual emissions
   in the long-term. A better claim, however,
   is to commit to compensating emissions
   in the short to medium-term as well as
   committing to emission reduction and
   neutralization in the longer-term;
- for being a relatively new concept that still requires further development and discussion, the mitigation contribution approach does not yet feature in the proposed classification as a standalone headline claim;

- real or perceived risks related to double claiming in the VCM (and the need for a corresponding adjustment in the meaning of Article 6 of the Paris Agreement) are not yet addressed in this Working Paper. This issue will require further guidance, taking into account any relevant decisions reached at the upcoming COP26 in Glasgow; and
- these criteria and assumptions apply to both commitment claims (e.g. being on a net zero pathway) and achievement claims (e.g. being carbon neutral today). With respect to achievement claims, we focus at this point only on carbon or climate neutrality claims, as these are currently the most widely used type of achievement claims.

### 1. PROPOSAL FOR CLASSIFYING COMMITMENT CLAIMS

Table 3 below illustrates how commitment claims could be organized and classified, taking into account both the potential climate impact of the underlying action and the accuracy of the claim.

The naming of the different headline claims as "Type #1-4" is merely intended to delineate the types that make up the proposed classification. The exact terminology or "brand" that will be used to refer to the respective headline claims should be developed and refined in consultation with businesses and other stakeholders. In addition, as mentioned in the assumptions above, the mitigation contribution approach is not yet reflected in the proposed classification. Further refinement and consultations are needed to better understand how mitigation contributions can be framed to entice greater uptake and use by companies in their forward-looking commitments.



### Table 3: Possible Classification of Commitment Claims

### Classification

### Target, Strategy and Performance

### Use of VCM carbon credits

### Net Zero Pathway: Type #1

### Target

Company adopts a 1.5°C abatement target as well as a long-term net zero target. Target covers full Scope 1-3 emissions and non-CO<sub>2</sub> emissions. The target is validated by a reputable third-party initiative or standard (e.g. SBTi)

Company purchases carbon credits to compensate all unabated emissions and neutralize residual emissions

Company also purchases carbon credits to compensate for all its historical emissions



### Net Zero Pathway: Type #2

Net Zero Pathway:

Type #3

### Strategy

Company has a net zero aligned (short- and long-term) low carbon transition strategy and a concrete plan/roadmap to meet its formally adopted target

credits to compensate all unabated emissions and neutralize residual emissions

Company does not purchase carbon credits to compensate for its historic emissions



### +

### Performance:

Company is on track to meet the formal net zero aligned target on a rolling average

Company purchases carbor credits to neutralize residua emissions

Company does not compensate all unabated emissions in the short to medium term

Company does not purchase carbon credits to compensate for its historic emissions

Net Zero Pathway: Type #4

Target, strategy and performance criteria not met (but company may have a non-validated net zero target OR may have a validated target but is not on track to achieve it)

Company purchases carbon credits for "offsetting as a substitute for within value chain science-based action"

NOTE: Type 1 is the highest level of ambition, Type 2 the next highest, etc.



Image: Dimitry Anikin, Unsplas

### 2. PROPOSAL FOR CLASSIFYING ACHIEVEMENT CLAIMS

A credible achievement claim regarding carbon or climate neutrality will always be accompanied by a robust, forward-looking commitment by the company. Thus, the existence of a strong commitment is a precondition for a credible achievement claim. Also, when a company makes an achievement claim about a product being carbon or climate neutral, it should clearly explain the limitations of that claim, i.e. that the company has not yet eliminated all its GHG emissions and that the use of a particular product or service does not mean the absence of GHG emissions.

The naming of different headline claims as "Type #1-2" in Table 4 is merely intended to delineate the different types that make up the proposed classification. The exact terminology or "brand" that will be used to refer to the respective headline claims should be developed and refined in consultation with businesses and other stakeholders. Finally, the mitigation contribution approach is not yet reflected in the proposed classification. As with commitment claims, further refinement and consultations are needed to better understand how mitigation contributions can be framed to entice greater uptake and use by companies in their achievement claims.

### Table 4: Possible Classification of Achievement Claims at the Organization Level

### Classification

### Target, Strategy and Performance

### Use of VCM carbon credits

### Carbon or Climate Neutral: Type #1

Target:

### Company adopts a 1.5°C abatement target as well as a long-term net zero target. Target covers full Scope 1-3 emissions and non-CO<sub>2</sub> emissions. The target is validated by a reputable third-party initiative or standard

balance between emissions and removals, typically through the purchase of carbon credits for compensation and neutralization purposes

The climate or carbon neutralit claim follows guidance from a



### Strategy:

Company has a net zero aligned (short- and long-term) low carbon transition strategy and a concrete plan/roadmap to meet its formally adopted target



### Performance:

Company is on track to meet the formal net zero aligned target on a rolling average

### Carbon or Climate Neutral: Type #2

Target, strategy and performance criteria not met (but company may have a non-validated net zero target OR may have a validated target but not on track to achieve it)

The company achieves a balance between emissions and removals through "offsetting as a substitute for within value chain science-based action"

The climate or carbon neutrality claim follows guidance from a reputable standard

NOTE: Type 1 is the highest level of achievement, Type 2 the next highest

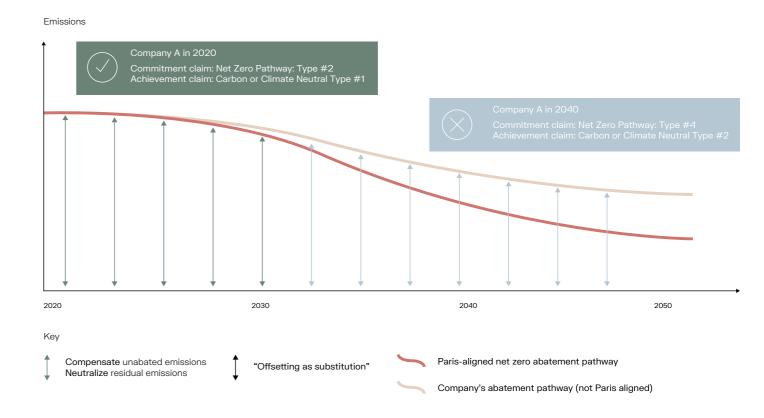
### 3 - COMMITMENT AND ACHIEVEMENT OVER TIME

Companies may make both a commitment and an achievement claim at different points in time. Figure 3 below provides a hypothetical example for a 'Company A', assuming two different years: 2020 and 2040.

- In 2020, Company A adopted a net zero abatement pathway and provided evidence that it has both a credible low-carbon transition plan and that it remained on track to meet its net zero abatement pathway during 2020. Furthermore, Company A purchased carbon credits to compensate all of its unabated emissions in 2020. Therefore, in terms of its commitment claim, Company A can claim to be on a Net Zero Pathway: Type #2; and in terms of its achievement claim, Company A can claim to be Carbon or Climate Neutral: Type #1.

- In 2040, Company A did not stay on track to meet its net zero abatement pathway but achieved a balance between emissions and removals through "offsetting as a substitution". Therefore, in terms of its commitment claim, Company A can only claim to be on a Net Zero Pathway: Type #4; and in terms of its achievement claim, Company A can only claim to be Carbon or Climate Neutral: Type #2.

### Figure 2: Illustrative Example of Claims Company A Could Make at Different Times Based on Proposed Categorization of Claims





### VI. Alternative Governance Models

### Alternative Governance Models

Further guidance is needed to ensure carbon credit-related claims are made in a responsible manner, preventing greenwashing, and ensuring companies merit such claims. There are different private governance models available to control and ensure the accuracy of these claims. In addition, there are public governance measures (i.e. existing or new laws and regulations) that can and should be considered. While one of the essential characteristics of VCMs is that they are voluntary, governance of VCMs must evolve

over time to encourage and align with the need for mandatory approaches to climate mitigation. However, the strengthening of public governance will take time and political will. Thus, for the time being, as shown in Table 4, it would be prudent to assess the pros and cons of the spectrum of available private governance models, ranging from decentralized (or principles-based) to centralized (or rules-based). Table 4 provides a summary of these governance models.

Table 4: Governance models

|                                       | Governance models  |  |  |
|---------------------------------------|--|--|--|
| General<br>characteristics            | Principles-based (Decentralized)   | Hybrid model   | Rules-based<br>(Centralized)   |
| Description                           | Based on general principles and criteria. Less centralized and with greater room for interpretation/application. | Principles and criteria are further developed and refined via a code of best or good practices. If desired, a third party may be engaged to provide independent verification of commitment claims. | Based on a concrete set of rules and verification system to ensure commitment claims are framed consistently.  Akin to a fully-fledged standard. |
| Covered entities                      | Companies and/or standard-setting bodies   | Companies and/or standard-setting bodies   | Companies  |
| Membership                            | Multi-stakeholder  | Multi-stakeholder  | May be multi-<br>stakeholder or not  |
| Examples following similar approaches | EDF's Mobilizing<br>Voluntary Carbon<br>Markets  | ISEAL or the Operating Principles for Impact Management (hosted by IFC)  | Certification by the Roundtable on Sustainable Palm Oil (RSPO) or the Round Table on Responsible Soy Association (RTRS)                          |





A principles-based model would focus on developing high-level criteria, recommending only broad sets of actions to align carbon credit-related claims with the actions being taken by companies. This is often implemented as a less centralized model, leaving greater discretion for the interpretation of principles and recommendations in different contexts.

A principles-based model may be directed at companies making carbon credit-related claims or at standard-setters guiding companies in their VCM actions and in setting and achieving their mitigation trajectories.

At the other end of the spectrum, a rulesbased system would ensure that more detailed and prescriptive rules are developed for the application of the agreed principles and criteria. This option is akin to designing an independent standard, including not only a set of rules but also a validation and fact-finding system to verify carbon credit-related claims and ensure these are fully consistent with the actions being proposed and implemented by companies. This more centralized option tends to leave little room for differing interpretations. It is thus more likely to avoid greenwashing and deceptive claims, while promoting and incentivizing that those claims be underpinned by more ambitious actions. However, a fullyfledged standard also requires much more time and effort to be developed. It may also overlap with governance functions that could be more effectively undertaken by other existing standards.

At the middle of this governance spectrum lies a hybrid approach in which principles and criteria are followed by additional guidance e.g. a code of best or good practices – that is widely consulted, refined, and published regularly (i.e. every three years). This option can provide greater certainty in the desired application of principles and criteria, while steering away from becoming yet another standard to be observed by companies. The refinement of criteria and publication at regular intervals would ensure that guidance remains relevant and consistent with the evolution of VCMs and the key technical concepts and terminologies. If a need is later identified to ensure greater centralization, a third party could be designated to independently verify the framing of commitment claims in line with the guidance provided.

Importantly, the governance model selected for overseeing carbon credit-related claims will largely determine how prescriptive and detailed any future guidance will be. While a principles-based approach would require only

high-level principles and criteria to be issued, a rules-based approach would require that these criteria are supported by robust methodologies to verify underlying action and validate ensuing claims. In addition, such guidance will likely differ depending on the type of claim, i.e. whether it is a commitment (aspirational and ex-ante) or achievement claim (factual and ex-post). Notwithstanding, any governance system that seeks to safeguard the transparency and integrity of carbon creditrelated claims would at a minimum ensure that these claims:

- a) are true and accurate;
- b) are clear and relevant to their target audience;
- c) are substantiated with objective, transparent, and up-to-date data;
- d) avoid overstating the beneficial environmental impacts of the activities;
- e) avoid creating a false impression or hiding trade-offs; and
- f) refer to voluntary actions or achievements that go beyond complying with existing legislation or standard business practice.31

Annex B contains a preliminary exploration of how these general criteria could be further articulated and operationalized for commitment claims under a principles-based governance model. It considers both supply- and demand-side aspects-related commitment claims. We conceive similar criteria could be formulated for the governance of achievement claims. We note that – were these claims to be governed under a more centralized governance model – the criteria would need to be further refined and detailed, including examples of best practices and, where applicable and appropriate, verification by a third-party.



VII.
Annex A:
Glossary of Key Terms

### Annex A: Glossary of Key Terms

| TERM                            | DEFINITION  |
|---------------------------------|---|
| Abatement                       | Measures that companies take to prevent, reduce, or eliminate sources of GHG emissions within their value chains. <sup>1</sup>  |
| Additionality                   | A key characteristic of carbon credits, ensuring that carbon emissions are lower than if the project had not been implemented. <sup>2</sup>   |
| Article 6                       | The voluntary cooperation mechanisms that will assist governments in implementing their NDCs as part of the Paris Agreement. They include Internationally Transferred Mitigation Outcomes (ITMOs) between governments, an international carbon market, and the use of development aid. <sup>3</sup> The rulebook for Article 6 is the only part of the Agreement that is yet to be finalized; eligibility of forest units is an open question.  |
| Avoided emissions               | Emission reductions that occur outside of a product's life-cycle or value chain, but as a result of the use of that product. Avoided emissions is a relative metric estimated by comparing the climate impacts of a given product, activity, or service against the climate impacts of a reference product, activity, or service. <sup>4</sup>  |
| Baseline                        | The business-as-usual scenario the mitigation activity is compared against. The base-<br>line must be robust and realistic. It runs the risk of being inflated to generate more<br>credits. <sup>5</sup>  |
| Cancellation of a carbon credit | The definitions of cancellation and retirement vary between carbon standards and programs. For the purposes of this work, cancellation refers to a situation in which the carbon credit is put out of circulation without being used towards any particular carbon neutrality or GHG reduction goal. On the other hand, retirement refers to a situation in which the carbon credit is directly used towards a carbon neutrality or GHG reduction goal. See also the definition of retirement of a carbon credit below. |
| Carbon credit                   | An emissions unit that is issued by a carbon crediting program and represents an emission reduction or removal of greenhouse gases. Carbon credits are uniquely serialized, issued, tracked, and cancelled by means of an electronic registry.6   |

### TERM

### DEFINITION

### Carbon dioxide removal / greenhouse gas removal

Carbon dioxide removal (CDR) refers to the process of removing  $CO_2$  from the atmosphere. Since this is the opposite of emissions, practices or technologies that remove  $CO_2$  are often described as achieving "negative emissions". The process is sometimes referred to more broadly as greenhouse gas removal (GHGR) if it involves removing gases other than  $CO_2$ .

There are two main types of CDR: either enhancing existing natural processes that remove carbon from the atmosphere (e.g. by increasing its uptake by trees, soil, or other "carbon sinks") or using chemical processes to, for example, capture  ${\rm CO_2}$  directly from the ambient air and store it elsewhere (e.g. underground). All CDR methods are at different stages of development and some are more conceptual than others, as they have not been tested at scale.<sup>7</sup>

### Carbon neutrality

In the global context, carbon neutrality is the same as net zero carbon dioxide ( $CO_2$ ) emissions which are achieved when anthropogenic  $CO_2$  emissions are balanced globally by anthropogenic  $CO_2$  removals over a specified period.<sup>8</sup> But in the sub-global context, companies can achieve carbon neutrality through purchase of carbon credits from activities that reduce, avoid or temporarily capture GHGs equivalent to the volume of all  $CO_2$  emissions.<sup>9</sup>

### Carbon offset

A carbon offset broadly refers to a reduction in GHG emissions – or an increase in carbon storage (e.g., through land restoration or the planting of trees) – that is used to compensate for emissions that occur elsewhere. A carbon credit that is being used for the purpose of offsetting is a transferrable instrument certified by governments or independent certification bodies to represent an emission reduction of one metric tonne of  $\rm CO_2$ , or an equivalent amount of other GHGs. VCMI recommends avoiding the conflation of offsets and carbon credits as carbon credits can be used for purposes other than offsetting, and offsetting can be accomplished through other mechanisms than purchasing carbon credits.

### Carbon Standard / Carbon Standard Setting

The term carbon standard is often used to refer to an entity that develops and promulgates standards (i.e. methodologies, protocols, and requirements) that must be adhered to by project developers and applied third-party validators in order for a project to be issued a carbon credit. In this report, we have tried to distinguish between the entity – which we refer to as a carbon standard setting body or entity – and the standards that are promulgated by those entities. Carbon standard setting bodies are also often referred to as "carbon crediting entities" due to the fact they issue and maintain a registry of the carbon credits that they issue.

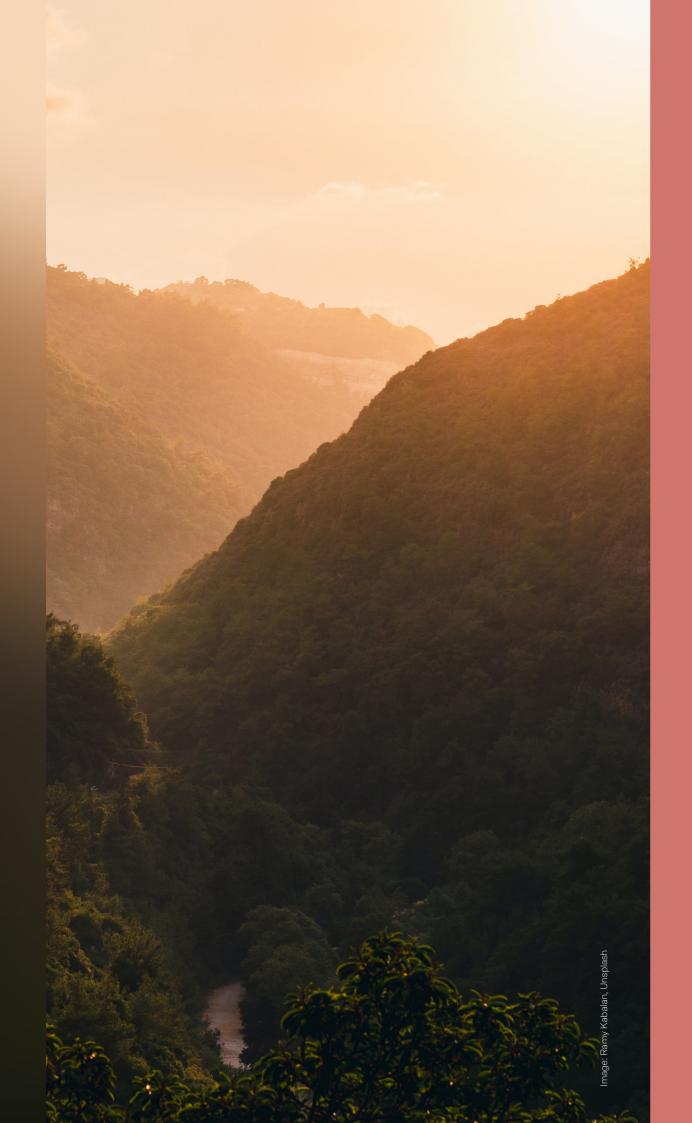
| TERM                     | DEFINITION  | TERM  | DEFINITION   |
|--------------------------|---|---|--|
| Compensation             | Measurable climate mitigation outcomes, resulting from actions outside of the value chain of a company that compensate for emissions that remain unabated within the value chain of a company.  | Double use  | A situation in which the same emissions unit or carbon credit is counted twice towards achieving climate change mitigation. This could, for example, occur if an entity would use a single emissions unit or carbon credit to fulfil two different purposes.   |
| Compliance<br>market     | A market for carbon offsets created by the need to comply with a regulatory act.  Compliance markets include cap-and-trade domestic schemes <sup>11</sup> (e.g. European Union Emissions Trading Scheme, California cap-and-trade, Colombia's carbon tax) and sectoral schemes (e.g. Carbon Offsetting and Reduction Scheme for International Aviation (CORSIA).  | Double claiming   | A situation in which the same emission reduction or removal is claimed by two different entities towards achieving climate change mitigation, e.g. once by the country in which the emission reduction or removal occurs, and once by the entity using an emissions unit or credit, such as an airline operator under CORSIA.  |
| Corresponding adjustment | Accounting rule to ensure that when countries trade carbon credits, the credit is counted towards the buyer's Nationally Determined Contribution under the Paris Agreement and detracted from the seller's Nationally Determined Contribution. <sup>12</sup>  | Hard to Abate<br>Sectors                                | Economic sectors with relatively higher abatement costs than the rest of the economy. These include heavy industry sectors (cement, steel, chemicals) and heavy-duty transport (heavy-duty road transport, shipping, aviation).  |
| Counterbalance           | This is a term used by the World Resources Institute and the Science Based Target initiative in various materials. <sup>13,14</sup> In a WRI blog by Andrew Steer and Craig Hanson posted in April 2021 they state: "We tentatively propose 'counterbalance' as a replacement for the word 'offset.' The latter implies a least-cost choice or equivalent reduction on the part of the emitter, while the former is intended to capture the notion of voluntary support to decarbonization outside an emitter's value chain, to complement aggressive reduction within the emitter's own Scope 1, 2 and 3 emissions. We are not insisting on this specific term: the terminology is less important than the substance." <sup>15</sup> | Insetting   | The term "insetting" has been used to refer to a company's efforts to prevent, reduce, or remove emissions within its own supply chain, but outside of its operational boundaries. The Science Based Target initiative considers such insetting measures to be distinct from efforts to "neutralize" or "compensate", instead proposing that insetting measures are directly accounted for in a company's efforts to abate all of its supply chain emissions as it pursues its net zero target. In 2015, the International Carbon Reduction and Offset Alliance (ICROA) defined insetting as "a carbon reduction project, verified by an offset standard, which occurs within a company's supply chain or supply chain communities". ICROA also formu- |
| Decarbonization          | Measures that prevent the release of CO <sub>2</sub> emissions associated with electricity, industry, and transport.  |   | lated three best practices in the use of insetting as a management strategy. Firstly, to claim to be insetting and account for reduced or removed emissions accordingly, a company must invest financially in the development and maintenance of the insetting project. This project can be developed by the company, its suppliers, or third-party or-  |
| Double counting          | A situation in which a single greenhouse gas emission reduction or removal is counted more than once towards achieving climate change mitigation. Double counting can occur through double issuance, double use, and/or double claiming.  |   | ganizations. Secondly, the investment project must involve a supply-chain activity (i.e. involving the production or sourcing of raw materials, product transformation, or product transportation) and the supply chain community (all stakeholders with a direct link with the supply chain). Lastly, the activities covered must generate additional, unique, measurable, and verifiable emissions reductions. <sup>19</sup>   |
| Double issuance          | A situation in which more than one emissions unit or credit is issued for the same emissions or emission reductions. This leads to double counting if more than one of these emissions units or credits is counted towards achieving climate change mitigation. This can occur, for instance, when the same project is registered under two different carbon programs or twice under the same carbon program. This situation can lead to double issuance if carbon programs do not implement proper controls to   | Internationally Transferable Mitigation Outcomes (ITMO) | Carbon credits provided under Article 6 of the Paris Agreement that can be transferred between countries as a means to meeting Nationally Determined Commitments (NDCs). <sup>20</sup>   |
|                          | ensure that, if a project is registered with more than one program, offset credits are cancelled by one program before offset credits are issued by another program for the same emission reductions or removals.   | Jurisdictional<br>approach                              | A sub-national or national set of rules to create carbon assets from REDD+ activities.<br>This includes a baseline, a national or subnational registry and potential rules for   |

| TERM  | trading or seeking payments for results. Traditionally, results-based finance for REDD+ has been dependent on jurisdictional setups. <sup>21</sup> These minimize the risk of leakage, inflated baselines and double counting.  |  |
|---|---|--|
| Jurisdictional<br>approach<br>continued             |   |  |
| Leakage   | Leakage occurs when a carbon offset project displaces emission-creating activities to outside the project boundary, rather than halting them in actual terms. <sup>22</sup>   |  |
| Mitigation<br>contribution                          | Refers to an approach in which companies either make a financial contribution to an emissions reduction or removal activity or they purchase carbon credits with the objective of contributing to climate change mitigation outside of their value chain. Such contributions or purchases currently may or may not be used for offsetting purposes. If they are used for offsetting purposes, there is substantial debate about whether they can simultaneously be used by host country to achieve its NDC (see double counting and double claiming above). |  |
| Nationally<br>Determined<br>Contributions<br>(NDCs) | Climate mitigation and adaptation targets set by countries as part of the Paris Agreement developed at COP21 in 2015. NDCs constitute a commitment by each country to outline their climate plan post-2020. <sup>23</sup>   |  |
| Natural climate<br>solutions                        | Natural climate solutions (NCS) can be considered as a subset of nature based solutions with a specific focus on addressing climate change. NCS has been defined as "conservation, restoration, and/or improved land management actions to increase carbon storage and/or avoid greenhouse gas emissions across global forests, wetlands, grasslands, and agricultural lands." <sup>24, 25</sup>  |  |
| Nature-based<br>solutions                           | Nature based solutions (NBS) are actions to protect, sustainably manage, and restore natural and modified ecosystems that address societal challenges effectively and adaptively, simultaneously providing human well-being and biodiversity benefits. <sup>26</sup>  |  |
| Nature positive                                     | Nature-positive means halting and reversing nature loss by 2030, measured from a baseline of 2020. <sup>27</sup>  |  |
| Negative emissions                                  | Removal of greenhouse gases (GHGs) from the atmosphere by deliberate human activities, i.e. in addition to the removal that would occur via natural carbon cycle processes.   |  |

| TERM                               | DEFINITION  |
|------------------------------------|---|
| Nesting                            | The integration of forest carbon projects into jurisdictional REDD+ programs, while allowing them to continue generating and trading carbon units outside the jurisdiction.  Peru's market is an example of this approach. <sup>28</sup>  |
| Net zero CO <sub>2</sub> emissions | Net zero carbon dioxide ( $\mathrm{CO_2}$ ) emissions are achieved when anthropogenic $\mathrm{CO_2}$ emissions are balanced globally by anthropogenic $\mathrm{CO_2}$ removals over a specified period. Net zero $\mathrm{CO_2}$ emissions are also referred to as carbon neutrality. <sup>29</sup>  |
| Net zero emissions                 | Net zero emissions are achieved when anthropogenic emissions of greenhouse gases to the atmosphere are balanced by anthropogenic removals over a specified period. Where multiple greenhouse gases are involved, the quantification of net zero emissions depends on the climate metric chosen to compare emissions of different gases (such as global warming potential, global temperature change potential, and others, as well as the chosen time horizon). <sup>30</sup>   |
| Neutralization                     | Measures that companies take to remove carbon from the atmosphere in order to counterbalance the impact of a source of emissions, within the value chain of the company, that remains unabated. <sup>31</sup> Or neutralize:  |
|                                    | Defined by the Oxford English Dictionary as "making (something) ineffective by applying an opposite force or effect." With respect to halting the accumulation of emissions in the atmosphere, neutralization of unabated emissions can only occur through negative emissions. <sup>32</sup>  |
| No or limited overshoot of 1.5°C   | Non-overshoot pathways described in the Intergovernmental Panel on Climate Change (IPCC) 1.5°C special report are: "Pathways that stay below the stabilization level (concentration, forcing, or temperature) during the time horizon of interest (e.g. until 2100)." 33  |
| Offset / Offsetting                | The act of compensating or cancelling out all, or a portion of, the GHG emissions released to the atmosphere through investments in activities that reduce or remove an equivalent amount of GHG emissions and which are located outside the boundaries of the organization or a particular product system. Such investments are often in the form of purchasing a carbon credit. Offsetting is effected by purchasing and retiring an amount of carbon credits equivalent to the volume of GHG emissions that is being compensated. <sup>34,35</sup> |

| TERM   | DEFINITION   |  |
|--|--|--|
| Offsetting as substitution                         | The act of purchasing carbon credits to be used as a substitute for within value chain emissions abatement without having a net zero abatement pathway in place.   |  |
| Permanence   | The capacity of reduced emissions not to re-enter the atmosphere. In practical terms this means giving the buyer the confidence that declared emissions reductions will not be reversed by a future event (e.g. that the forest will be cut down). <sup>36</sup>   |  |
| Project-based<br>approach to REDD<br>and REDD+     | Carbon assets are generated based on an independently established baseline. Project-based approaches are seen to carry a higher risk of leakage, permanence, and inflated baselines. Independent standards, such as those developed by the Verra, Gold Standard or Planet Vivo, have developed leakage and permanence methodologies and continuously improve them.   |  |
| REDD and REDD+                                     | REDD refers to reducing emissions from deforestation and forest degradation; <sup>37</sup> REDD+ refers to reducing emissions from deforestation and forest degradation, and conservation of forest carbon stocks, sustainable management of forests, and enhancement of forest carbon stocks. <sup>38</sup> In 2013 the Warsaw Framework was formalized providing guidance to countries developing REDD+ plans, monitoring systems, baselines and safeguards. These guidelines are not intended to guide transactions.                                    |  |
| Removals (or<br>anthropogenic<br>removals)         | Anthropogenic removals refer to the withdrawal of GHGs from the atmosphere as a result of deliberate human activities. These include enhancing biological sinks of CO <sub>2</sub> and using chemical engineering to achieve long-term removal and storage. <sup>39</sup>  |  |
| Representative<br>concentration<br>pathways (RCPs) | Scenarios that include time series of emissions and concentrations of the full suite of greenhouse gases (GHGs) and aerosols and chemically active gases, as well as land use/land cover. The word representative signifies that each RCP provides only one of many possible scenarios that would lead to the specific radiative forcing character istics. The term pathway emphasizes the fact that not only the long-term concentration levels but also the trajectory taken over time to reach that outcome are of interest. In the series of interest. |  |
| Residual emissions                                 | Residual emissions are emissions sources that remain unabated by the time net zero is reached in 1.5°C mitigation pathways with low or no overshoot <sup>42</sup> The SBTi is exploring a range of approaches for determining residual emissions globally, by sector, and by activity, which will be included in the public consultation of Net Zero Guidance. <sup>43</sup>   |  |

| TERM  | DEFINITION  |
|---|---|
| Retirement of carbon credits                    | "Retiring" a carbon credit describes the internal transfer of a unit to a retirement account. The owner of the carbon credit can claim to have reduced emissions and use those emissions to meet its climate commitments. <sup>44</sup>   |
| Science-based targets                           | Targets that are in line with what the latest climate science says is necessary to meet the goals of the Paris Agreement – to limit global warming to well below 2°C above pre-industrial levels and pursue efforts to limit warming to 1.5°C.45  |
| Shared socio-<br>economic pathways<br>(SSPs)    | Shared socioeconomic pathways (SSPs) were developed to complement the RCPs with varying socioeconomic challenges to adaptation and mitigation. <sup>46</sup> Based on five narratives, the SSPs describe alternative socioeconomic futures in the absence of climate policy intervention, comprising sustainable development (SSP1), regional rivalry (SSP3), inequality (SSP4), fossil–fuelled development (SSP5) and middle-of-the-road development (SSP2). <sup>47,48,49</sup> The combination of SSP-based socioeconomic scenarios and representative concentration pathway (RCP)-based climate projections provides an integrative frame for climate impact and policy analysis. <sup>50</sup> |
| Validation and<br>Verification Bodies<br>(VVBs) | Independent organizations duly approved under a carbon standard provide validation of mitigation activities and verification of emission reductions. It may also include verification of other social and environmental co-benefits.  |
| Value chain emissions                           | A company's Scope 1, 2, and 3 emissions as defined by the GHG Protocol accounting standard. <sup>51</sup>   |
| Verified emissions reductions (VER)             | Carbon offsets exchanged in the voluntary market usually certified through a voluntary certification process using a third-party independent standard. The main certification standards include VCS, CCB, Gold Standard, Planet Vivo, and auditors include major firms.   |
| Vintage   | The year in which the carbon emission reduction took place. Given the verification process can take 2—3 years from the project inception, projects may generate credits for already-reduced emissions. Older vintage generally sells at a lower price. <sup>53</sup>  |
| Voluntary Carbon<br>Market                      | The voluntary carbon marketplace encompasses all transactions of carbon offsets that are not purchased with the intention to surrender into an active regulated carbon market. It does include offsets that are purchased with the intent to re-sell or retire to meet carbon neutral or other environmental claims. <sup>54</sup>  |



Annex B:
Principle-Based Criteria
for Commitment Claims

### Annex B: Principle-Based Criteria for Commitment Claims

Any governance system that seeks to safeguard the transparency and integrity of carbon credit-related claims would, at a minimum, ensure that these claims:

- a) are true and accurate;
- b) are clear and relevant to their target audience;
- c) are substantiated with objective, transparent, and up-to-date data;
- d) avoid overstating the beneficial environmental impacts of the activities;
- e) avoid creating a false impression or hiding trade-offs; and

f) refer to voluntary actions or achievements that go beyond complying with existing legislation or standard business practice.87

To facilitate the adequate governance of carbon credit-related claims, these general criteria should be further articulated into more concrete guidance for high ambition climate action and high integrity carbon credit-related claims. The appropriate format for this guidance will depend on the governance model in place and the type of carbon credit-related claim being considered. Table B1 below illustrates how the abovementioned general criteria can be further articulated and operationalized for commitment claims under a principles-based governance model.

### Table B1: Principle-Based Criteria for Robust Commitment Claims

### **GENERAL CRITERIA**

EXAMPLES OF INDICATORS TO BE ASSESSED WHERE COMMITMENT CLAIMS RELY ON OFFSETTING AS A SUBSTITUTE FOR WITHIN VALUE CHAIN SCIENCE-BASED TARGET

### True and accurate

### Demand-side:

- Be based on evidence and real climate action planned and being implemented by the company. A true and accurate commitment claim is underpinned by the existence of a concrete plan, near-term abatement targets, and clarity about the scopes of activities and emissions covered by such targets.87
- When carbon credits are used for offsetting, clarify what portion of a company's GHG emissions are being offset and what standards and methodologies were used to measure, calculate, and verify GHG emissions.

### Supply-side

Ensure that carbon credits are issued by high integrity carbon standards.
 Carbon standards, in turn, must demonstrate that carbon credits are accurately quantified, real, verified and additional, while properly addressing leakage, non-permanence, and double counting risks.

### Clear and relevant to their target audience

### Demand-side:

- Carefully consider the target audience and their familiarity with concepts. The
  target audience may involve a range of stakeholders including consumers,
  investors, shareholders, host countries, and the broader
  climate community.
- Be clear on whether carbon credits are being used to achieve corporate targets, used to neutralize residual emissions only, and/or whether they are credited only against unabated emissions beyond the abatement target set by the company.

### Supply-side:

 Be clear and transparent on the climate accounting impact of the carbon credits being used and whether they carry a corresponding adjustment in the meaning of Article 6 of the Paris Agreement. Carbon credits that do not carry a corresponding adjustment should be explicit about this condition (note: more concrete guidance needs to be developed post-COP 26).

ble continued overleaf

### Substantiated with objective, transparent, and up-to-date data

### Demand-side:

- Be supported by a net zero abatement pathway validated or guided by initiatives such as the SBTi.
- Provide evidence of a robust, low-carbon transition strategy validated or guided by initiatives such as the Assessing Low Carbon Transition (ACT) initiative.
- Provide clear descriptions of type of target, timeframe and trajectory
   (and how these relate to different scopes)
- Provide clear annual progress reports and information on whether the corporate is on track to achieve its net zero abatement target.
- Provide information on the portion of emissions that are being reduced vs. the portion of emissions being offset (including what is being offset).
- Provide easy-to-access data on volume, type of carbon credits acquired, from which projects the carbon credits come from and when these carbon credits were generated. Information on price paid per unit is also relevant.
- Provide a description of balance of the portfolio of mitigation activities between emission reductions and removals.

### Supply-side

- Ensure full transparency of mitigation activities and offsetting programs being used. Transparency is a key criterion to evaluate the quality of mitigation activities, including the assessment of additionality and baselines. It is also crucial for the design and functioning of carbon standards and for tracking the movement and final use of carbon credits (through robust registry systems).
- Ensure positive social or environmental benefits beyond mitigation.

### Avoid overstatements

### Demand-side:

- Explain (and provide evidence of) now carbon credits are integrated into the corporate strategy. Carbon credits should be supplementary to corporate's own abatement efforts and temporary in nature.
- Clearly specify whether and how a corporate commitment covers
   Scopes 1, 2 and 3 of GHG emissions, as well as non-CO<sub>2</sub> emissions and non-energy emissions.
- Clearly specify the actions being taken to address emissions from each scope, and which scope represents the larger climate impact.

### Avoid overstatements (cont.)

### Supply-side:

 Carbon credits derive from projects or programs that apply conservative baselines and adequate methods for managing uncertainty in the calculation of emissions and emission reductions

### Avoid false impression or hide trade-offs

### Demand-side<sup>\*</sup>

- Where terms such as "carbon neutral" and "climate neutral" (or "carbon neutrality" and "climate neutrality") are used, they should carry a clear explanation that the company has not yet eliminated all of its emissions or that using products or service does not mean producing "zero" emissions.
- Inform whether the company has formally adopted a net zero abatement pathway
  whether company targets are validated by a third party (e.g. the SBTi) and provide
  annual progress reports on whether the company is on track to achieve these
  targets.

### Supply-side

- Where NBS carbon credits are used to improve the protection and enhance natural ecosystems, provide a clear explanation as to how leakage and permanence of emissions reductions are being managed and addressed. For REDD+, jurisdictional programs and nested projects have increased accounting integrity.
- Where carbon credits derive from technological removals, provide a clear explanatio
  of the type of technology being applied, the scale of the activity, and sustainability
  trade-offs
- Both NBS and technological removals should put in place the proper environmental and social safeguards.

### Actions go beyond legislation or expected practices

### Demand-side:

 - Provide assurance that carbon credits used for offsetting purposes only supplement internal corporate action (and do not delay or postpone actions and investments in own GHG reductions).

### Supply-side:

 - Ensure that mitigation activities are additional and, where needed, consistent with efforts and actions contained in the host country NDC.

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The Voluntary Carbon Markets
Integrity Initiative (VCMI) is a multistakeholder platform to drive credible,
net zero aligned participation in
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