

**Timothy Laing, [Luca Taschini](#) and [Charles Palmer](#)  
Understanding the demand for REDD+  
credits**

**Article (Accepted version)  
(Refereed)**

**Original citation:**

Laing, Timothy, Taschini, Luca and Palmer, Charles (2016) Understanding the demand for REDD+ credits. Environmental Conservation. ISSN 0376-8929

© 2016 Cambridge university press

This version available at: <http://eprints.lse.ac.uk/66720/>

Available in LSE Research Online: May 2016

LSE has developed LSE Research Online so that users may access research output of the School. Copyright © and Moral Rights for the papers on this site are retained by the individual authors and/or other copyright owners. Users may download and/or print one copy of any article(s) in LSE Research Online to facilitate their private study or for non-commercial research. You may not engage in further distribution of the material or use it for any profit-making activities or any commercial gain. You may freely distribute the URL (<http://eprints.lse.ac.uk>) of the LSE Research Online website.

This document is the author's final accepted version of the journal article. There may be differences between this version and the published version. You are advised to consult the publisher's version if you wish to cite from it.

ENVIRONMENTAL  
CONSERVATION



CAMBRIDGE  
UNIVERSITY PRESS

**Understanding the Demand for REDD+ Credits**

Journal:	<i>Environmental Conservation</i>
Manuscript ID	EC-16-05-87
Manuscript Type:	Research Paper
Date Submitted by the Author:	12-May-2016
Complete List of Authors:	Laing, Timothy; London School of Economics and Political Science, Grantham Research Institute on Climate Change and the Environment Taschini, Luca; London School of Economics and Political Science, Grantham Research Institute on Climate Change and the Environment Palmer, Charles; London School of Economics and Political Science, Department of Geography and Environment
Keywords:	REDD+ , Private sector engagement, Carbon credits, Offsetting

SCHOLARONE™  
Manuscripts

## 1 Summary

2 Reducing emissions from deforestation and forest degradation (REDD+) has emerged as a potentially  
3 important component of the global policy-mix to mitigate climate change. Against a background of  
4 increasing engagement between private-sector entities and conservation organisations, private  
5 sector investment has emerged in REDD+. Despite slow developments at the international scale,  
6 there continues to be private sector interest in REDD+, and continued voluntary investments in  
7 REDD+ projects and initiatives.

8 In order to better understand possible models for private sector engagement in REDD+, this paper  
9 analyses the motivation of private sector stakeholders to engage in REDD+, the perception of the  
10 potential of REDD+, the critical obstacles to making REDD+ functional and how actors perceive  
11 themselves as part of future REDD+ scenarios.

12 Based on interviews and a workshop with private sector actors, this paper finds that few expect a  
13 regulatory market for REDD+ to emerge and that credits from the voluntary market have to be  
14 tailored to specific needs. As a carbon offset, REDD+ provides insufficient motivation for investment,  
15 particularly if cheaper alternatives exist. Co-benefits such as biodiversity conservation and  
16 community development are more important when traditional corporate social responsibility (CSR)  
17 motivations play a role.

18 Project scale remains important not only for the fact that smaller projects are viewed as offering  
19 more visible benefits to stakeholders but also as a means of having more control over risks on the  
20 ground, posing a challenge for the design of jurisdictional REDD+. Moving towards supply chains that  
21 are free from deforestation offers an opportunity to tackle commodity-driven deforestation. While  
22 questions remain about how such an approach might be integrated into REDD+, it could help  
23 address a perceived gap between private sector understanding of the values of REDD+ and the risks  
24 associated with these values not arising - termed here as a 'missing middle'.

## 25 Introduction

26 The private sector has been traditionally viewed as being in conflict with organisations aiming to  
27 conserve the environment (Ehrenfeld 2003), but this has shifted with increasing engagement  
28 between private sector entities and conservation organisations (Rose & Colchester 2004;  
29 Brockington & Duffy 2011). The idea that firms can benefit society and the environment while  
30 making profits, has taken root; firms across the economy are being held accountable to this by  
31 conservation organisations and consumers (TEEB 2010; Robinson 2012).

32 Such corporate greening (the discovery by business of the cost, innovation and marketing  
33 advantages of improving environmental performance, Guziana 2013) has grown hand-in-hand with  
34 the development of CSR programmes (Robinson 2012) that emerged as part of the corporate  
35 response to the challenges of environmental damage and climate change (Kolk & Pinkse 2004) but  
36 are also often viewed as important marketing strategies (McWilliams & Siegel 2001; Kitzmuller *et al.*  
37 2012). Multi-national companies in particular have high incentives to engage in CSR as a way to  
38 reduce reputational risks (Ruggie 2008), with many seeing CSR programmes as effectively a licence  
39 to operate (Earthwatch *et al.* 2002).

40 Beyond CSR, opportunities have been identified for businesses to profit directly from engagement  
41 with conservation including the development of new markets for ecosystem services (TEEB 2010).

42 Climate change policy, in particular, has witnessed great change in the 2000s, both with respect to  
43 regulations and markets established by governments, as well as voluntary initiatives and largely  
44 unregulated carbon offset markets. With tropical deforestation and forest degradation estimated to  
45 account for approximately 15% of global anthropogenic greenhouse gas emissions (van der Werf *et*  
46 *al.* 2009), stakeholders, ranging from international organisations and national governments to  
47 conservation organisations and the private sector, have sought to design strategies and policies for  
48 Reducing Emissions from Deforestation and forest Degradation (REDD+).

49 REDD+ was first termed by the United Nations Framework on Climate Change (UNFCCC), with  
50 member countries initially focusing on it as an essential and time-limited contribution to mitigate  
51 the impacts of climate change. In its simplest form, governments and firms would reward tropical  
52 countries for reducing deforestation rates, receiving carbon credits in return. Cap-and-trade  
53 schemes like the European Union's Emissions Trading System (EU ETS) were touted as a way of  
54 establishing a price for forest carbon stocks. Since 2005, and in spite of initial high motivation and  
55 commitment from many stakeholders, including national governments, local communities,  
56 conservationist NGOs and the private sector (Palmer & Engel 2009; Nhantumbo 2011), progress in  
57 REDD+ has been slow.

58 In mid-2015, the final framework for REDD+ suggested broad agreement in its overall scope,  
59 objectives and monitoring, reporting and verification (MRV) (Meyer 2015). The scope of REDD+ has,  
60 however, increased dramatically from early proposals for a tool targeting reduced deforestation at  
61 project scale, funded by firms purchasing carbon credits, to potentially nation-wide programmes  
62 targeting deforestation, degradation and re-forestation, known as 'Jurisdictional and Nested REDD+'  
63 (JNR). Between 2005 and 2015, many policy initiatives and experiments have claimed the mantle of  
64 REDD+, at all scales, involving a range of stakeholders, from Norway's investments in national  
65 programmes in Indonesia (Lee & Pistorius 2015), to Bosques Amazonicos (a Peruvian company)  
66 supporting organic certification of Brazil nuts in Madre de Dios (Peru) to encourage illegal gold

67 miners to switch activities (IGES 2013). The critical need to stem tropical deforestation, whether for  
68 climate reasons or otherwise, is generally agreed upon, but concerns have been raised regarding the  
69 potential efficacy of REDD+ to reduce deforestation, including doubts over cost (Gregersen *et al.*  
70 2010), infringements on local community rights (Larson 2011), and debates about how permanent  
71 reductions in deforestation might be achieved (Palmer 2011). This last issue is partially related to  
72 how REDD+ might be implemented on the ground, in terms of the policies, and extent to which  
73 these address underlying drivers of deforestation (see Angelsen 2010).

74 Many scholars and practitioners nevertheless agree that to work in practice, REDD+ needs to be  
75 implemented at a scale that includes as much of the world's tropical forest as possible in order to  
76 prevent 'leakage', defined as reductions of carbon emissions in one place causing emissions in  
77 another (Atmadja & Verchot 2011). Such scale would require a huge level of financing yet UNFCCC  
78 negotiations have failed to resolve the financing issue due to continuing disagreements among  
79 countries about who should pay and how (Leonard 2015). To date, finance flowing into REDD+ has  
80 been dominated by public funding from richer countries, significantly through Norway's agreements  
81 with Brazil, Indonesia and Guyana. The private sector has engaged with REDD+ for a wide range of  
82 voluntary reasons including offsetting of emissions, greening of supply-chains and counterbalancing  
83 potential future risk (Corbera & Schroeder 2011). Opportunities to profit have also arisen, for  
84 example from trading in REDD+ credits.

85 Private sector commitment to REDD+ has been strengthened through the New York Declaration on  
86 Forests, signed by 53 multinational companies and 37 governments, that pledges to halve  
87 deforestation by 2020 and end it by 2030 (UN 2014). A number of multi-nationals have recently  
88 committed to the goal of zero net deforestation, for example, Procter and Gamble have committed  
89 to eliminating deforestation across its palm oil supply chain by 2020 (Shankleman 2014).

90 Existing literature on private sector involvement in REDD+ frames the issue as a mismatch between  
91 supply and demand. Conservation International (2013) (CI) estimated that REDD+ projects in  
92 existence represent more than three times current voluntary market demand, while the Global  
93 Canopy Programme (GCP) *et al.* (2014) estimate demand for REDD+ could be as little as 3% of supply  
94 between 2015 and 2020. Despite the continued absence of REDD+ from existing regulatory schemes  
95 such as the EU ETS, the fact that the private sector continues to invest in REDD+ raises the question  
96 of what motivates them to do so.

97 The term 'REDD+' is nebulous and has been used to cover a range of activities concerning forests. Its  
98 scope has grown in the official UNFCCC proceedings from Reducing Emissions from Deforestation  
99 (RED) to include degradation (REDD) and then conservation of standing forests and reforestation  
100 (REDD+). REDD+ is, however, generally used as a catch-all term for projects and policies that are  
101 intended to avoid and reduce deforestation and forest degradation and contribute to regrowth of  
102 new forests. Since it has also grown in scale, initially focusing on project-based approaches before  
103 encompassing jurisdictional approaches at a regional or national scale, this paper adopts a broad  
104 definition, i.e., including projects and policies that fall both inside and outside the official UNFCCC  
105 process, and activities implemented at project and jurisdictional scales, funded both under  
106 regulatory schemes and through voluntary markets (Supplementary Material S1).

107 Drawing on data from interviews and a workshop with private sector actors, this paper has a number  
108 of key objectives: it examines motivations of firms engaging in REDD+ for their investments and  
109 purchases of credits; decision-making procedures of those currently engaging in REDD+; barriers and  
110 risks that have prevented additional investors from engaging with REDD+; and, how private-sector  
111 stakeholders perceive REDD+ in the future.

## 112 Methodology

113 Views of private sector stakeholders participating in REDD+ were evaluated in a two-step process. In  
114 the first, semi-structured one-to-one interviews, following interview guides (Supplementary Material  
115 S2), were conducted with fourteen individuals. An initial mapping exercise was undertaken of key  
116 organisations involved in REDD+ located in Europe. The exercise focused on firms currently investing  
117 in REDD+, those investing in other types of carbon offsets, associations representing emitting  
118 industries and REDD+ investors, commodity purchasers and carbon-market traders. Contact was  
119 made with firms, organisations and individuals and interviews were scheduled. Further contacts  
120 were made and interviewed via snowball sampling.

121 Interviews were conducted between December 2013 and June 2014 at the London School of  
122 Economics (LSE) and across London. Four participants were not available to meet in person so phone  
123 and Skype interviews were conducted.

124 The focus was on firms that had either provided investment into REDD+ projects or purchased  
125 REDD+ credits, rather than project developers. Motivations and risks associated with developers are  
126 different from those of middle-men looking to purchase credits and sell them on, and different again  
127 from those looking to directly invest in REDD+ projects or purchase credits emanating from such  
128 projects. Therefore, unless explicitly stated the firms, or entities, referred to here are those investing  
129 in REDD+ or purchasing credits.

130 Questions focused on the potential interest of purchasers in REDD+, motivations of existing REDD+  
131 purchasers, key decision-makers regarding offsetting in firms, time horizons of firms engaging (or  
132 not) in REDD+ and main barriers for engaging private sector finance in REDD+ (Supplementary  
133 material S2).

134 In a second step a workshop was held under Chatham House rules at LSE in April 2014. Nineteen  
135 participants were involved, drawn from the REDD+ working groups of the Carbon Market Investors

136 Association (CMIA) and the International Emissions Trading Association (IETA). They included  
137 representatives of project developers, investors, international donors and a range of companies who  
138 provided legal and institutional support to REDD+ projects. While they shared a background similar  
139 to those selected for interview, they were mutually exclusive, in order to allow us to check the  
140 validity of hypotheses developed on the basis of interviews.

141 The workshop was structured around three main sessions focusing on: where does REDD+ stand  
142 today; barriers and risks for REDD+; and the future for REDD+ (Supplementary Material S3). Each  
143 session started with a brief presentation that raised findings from interviews, followed by open  
144 discussion to validate findings and raise fresh perspectives.

## 145 Results

### 146 *Motivations of private sector stakeholders*

#### 147 *Preparatory and pre-regulatory demand*

148 A key question asked of interviewees was their perception of motivations of existing REDD+  
149 purchasers. Responses varied, but a conclusion from all interviewees was a dichotomy between  
150 those investing for purely voluntary reasons, and those anticipating REDD+ being used in regulatory  
151 markets. Interviews with two REDD+ market experts (and validated at the workshop) led to the  
152 determination of two different categories of investors in the latter area. The first were those who  
153 faced potential future regulatory obligations and were looking to engage with REDD+ in order to gain  
154 experience. It was the consensus of participants to the workshop that this type of demand had  
155 declined recently due to declining prospects for REDD+ in regulatory markets. It was raised, both in  
156 interviews with emitting industry associations and at the workshop, that for entities looking to meet  
157 regulatory targets, the main factor determining whether they should engage in offsetting or not was  
158 minimising costs.

159 The second category of investors identified were those companies motivated by resale opportunities  
160 that investing in REDD+ might bring. A workshop participant suggested that this type of investor had  
161 also declined, not only due to the reduced short-term prospects for REDD+ in regulatory markets,  
162 but also due to the experiences of early investors in projects that were perceived to have failed.

### 163 *Corporate social responsibility and offsetting*

164 For those companies looking to engage in REDD+ for voluntary reasons the motivations discussed by  
165 REDD+ purchasing interviewees and at the workshop were markedly different from those of pre-  
166 regulatory entities. Discussions at the workshop can be succinctly summed up by the phrase used by  
167 a workshop participant when discussing the motivations for financing REDD+: 'it's all about the  
168 story', suggesting that what was crucial was the message that could be communicated to  
169 stakeholders. A workshop attendee with experience in marketing REDD+ credits however, raised the  
170 cogent point that to a number of companies the story of REDD+ was currently unattractive. REDD+  
171 was predominantly viewed as actors being paid to stop cutting down the rainforest. In the  
172 workshop, this prompted the question raised by one participant of 'why should I pay someone to  
173 stop doing something?' In the discussions that followed participants reached the consensus that the  
174 idea of paying for something tangible, like building an eco-lodge, was more attractive. This moves  
175 away from the idea of REDD+ as an 'emission reduction story' - the traditional view as observed by a  
176 workshop participant, where REDD+ is perceived merely as a tool to offset emissions - towards the  
177 role of co-benefits, for example, biodiversity protection. While such co-benefits were initially viewed  
178 as 'the cherry on the top for REDD+' by workshop participants, i.e. as an additional benefit above  
179 and beyond the planned objective, the discussion concluded that they should now be seen as  
180 playing a central role in investment decisions.

181 An existing REDD+ purchaser interviewee highlighted that for firms looking to engage as part of their  
182 CSR programmes, the relevance of projects to their overall strategic direction was also important,  
183 and it was this relevance that had helped determine the decision to invest in REDD+ in their

184 organisation. Such firms looked to projects that offered wide benefits, and fitted within their  
185 corporate strategies, including a consideration of their customers. For example, a key business  
186 sustainability leader interviewee revealed that REDD+ was of particular relevance to firms with  
187 supply chains extending into forest landscapes.

188 A more hands-on approach to REDD+, where investors engage directly with the project on the  
189 ground, was reported by two interviewees to have not only helped make REDD+ attractive but also  
190 enabled greater control over risk. For one interviewee, such an approach was motivating firms to  
191 make direct investments in organisations that developed REDD+ initiatives and projects. An example  
192 of this approach is Kering, a luxury goods company, investing into Wildlife Works, a REDD+ project  
193 developer, (Supplementary Material S4).

194 With regard to the price sensitivity of CSR investors, in analysing interviews and results of the  
195 workshop, it became useful to differentiate between those seeking to use REDD+ credits for CSR  
196 only and those seeking to use it for carbon-neutral CSR (i.e. voluntarily offsetting a company's  
197 emissions). When the question regarding price sensitivity was raised at the workshop it was the  
198 consensus that prices did not seem to be important for the former, who were reported to often view  
199 the purchase of REDD+ credits, as described by one participant, as a 'charitable donation'. The latter  
200 group, however, tended to care more about prices; with the overall aim of offsetting their emissions  
201 as cheap as possible. They were only willing to pay higher prices if projects were charismatic and  
202 generated wider public relations (PR) benefits. Such firms, one interviewee ventured, often  
203 purchased large volumes of cheap offsets in order to cover the majority of emissions (e.g. renewable  
204 energy or industrial gas destruction), and a small volume of relatively more expensive REDD+ offsets  
205 with co-benefits.

206 *Other potential sources of demand*

207 New pockets of demand have begun to emerge with little or no regulation from government.  
208 Instead, they have developed as a result of direct or indirect action in the private sector, responding  
209 either to internal drivers, such as the desire to move towards green supply chains, or external  
210 private sector-led drivers, such as through sustainability indices.

211 Charitable donations were identified at the workshop as being targeted by REDD+ project  
212 developers. A number of large philanthropic foundations have already been active including the  
213 MacArthur Foundation and the Clinton Foundation (PwC *et al.* 2011). For example, the latter has  
214 supported carbon monitoring in countries such as Guyana, while the MacArthur Foundation has a  
215 dedicated programme aiming to minimise deforestation in countries like the Democratic Republic of  
216 Congo.

217 Other sources of demand for REDD+ identified by participants included incentives provided by  
218 sustainability targets, such as the Dow Jones Sustainability Index (DJSI), that evaluates the  
219 sustainability performance of the largest 2,500 companies listed on the Dow Jones Global Total  
220 Stock Market Index.

221 In a discussion at the workshop a participant with experience in seeking new markets for REDD+  
222 reported that they were investigating demand from companies potentially exposed to significant risk  
223 from their investments in carbon-intensive assets that could become stranded if climate or energy  
224 regulation is tightened ('stranded assets'). The Generation Foundation (2013) identified market  
225 forces and socio-political pressure, along with regulation, as risks that could lead to significant  
226 stranding of fossil-fuel intensive assets. Thus, large institutional investors, such as pension funds,  
227 could potentially diversify their portfolio away from companies holding potentially stranded assets,  
228 towards less-risky opportunities that might thrive in a low-carbon future. The extent to which such  
229 opportunities might include REDD+ would depend on the barriers and risks encountered.

230 ***Decision procedures, barriers and risks***

231 *Different decision-making procedures and time horizons*

232 Participants were asked who the key REDD+ decision-makers were in their respective firms. For  
233 those engaged in purchasing for CSR, decision-making generally lay with the CSR department,  
234 although in some instances decision-making went all the way to the CEO. Decision-making within  
235 CSR departments implies that finance for REDD+ comes out of general CSR budgets, and workshop  
236 participants highlighted the implications for the time horizon of those investments. With CSR  
237 budgets generally decided annually, investments often fluctuate from year-to-year. One participant  
238 responded (and there was general agreement subsequently) that, for voluntary purchases for CSR,  
239 horizons were not more than five years and often much shorter, suggesting a severe disconnect  
240 between financing for REDD+ and the typically longer timeframe of many REDD+ projects - rates of  
241 carbon sequestration determine that newly-planted forests take decades to reach maturity.

242 A new type of REDD+ project from which investors receive not only REDD+ credits but also  
243 sustainably-sourced commodities was identified as a key potential future source of demand by a  
244 participant involved in developing projects, with longer time horizons than for CSR projects.

245 *Barriers, obstacles and risks*

246 ***Preparatory and pre-compliance market demand***

247 Initially raised by an emitting industry association interviewee, and validated at the workshop, was  
248 the perception that many stakeholders, especially those anticipating regulatory markets, view a lack  
249 of regulatory frameworks and a lack of clarity regarding future regulations as a major barrier to  
250 investing in REDD+. Concerns were also raised by both potential purchasers (through emitting  
251 industry associations) and suppliers (through project developers at the workshop) over actual  
252 emergence of regulatory markets and REDD+'s eligibility into such markets. Emerging pilot  
253 institutions and procedures to register projects were perceived by project developers as being too

254 bureaucratic, with a lack of clarity regarding the types of projects that would be allowed to generate  
255 credits and conditions under which they might be created.

256 In addition, these investors were deemed by a project developer to be the most price-sensitive and  
257 were also concerned with technical risks relating to REDD+ such as additionality, leakage and  
258 permanence (see Palmer & Engel 2009; Palmer 2011). It was the view of the same project developer  
259 that these risks were likely to be incorporated into criteria that would allow entry of REDD+ into  
260 regulatory markets and thus are likely to form part of the risk-assessment of any regulatory  
261 purchasers.

#### 262 ***Voluntary demand***

263 Risks related to investments in the voluntary market were perceived, by both interviewees and at  
264 the workshop, to be different from regulatory investments. A major barrier, identified by a  
265 participant marketing REDD+ projects, was the current low profitability and expectations of future  
266 low profitability of REDD+ projects that generate revenues from the sale of credits. Price was  
267 deemed, in interviews with market experts, to be less important to investors with more general CSR  
268 motivations.

269 Project failure has great potential to damage the reputations of stakeholders involved, and has been  
270 a common theme of many REDD+ projects to date, for example the Ulu Masen REDD+  
271 demonstration project in Aceh (Indonesia) (Supplementary Material S5). However, the private sector  
272 faces a challenge in measuring, quantifying and understanding reputational risks associated with  
273 REDD+, particularly given the range of activities, initiatives, countries and contexts. Reducing  
274 reputational risk, or at least helping companies understand and quantify the risk could, in the view  
275 of participants, provide further impetus for companies to scale-up investment in REDD+. There are  
276 private sector institutions that already perform this role to some extent in the form of standards (for  
277 example The Verified Carbon Standard). However, at present these standards are extremely

278 stringent, require huge effort and finance, and were highlighted by project developers, as a major  
279 barrier of entry to the market.

### 280 ***Supply chain greening risks***

281 The potential for REDD+ to find investment from companies looking to improve environmental  
282 performance in supply chains, and promote sustainable agricultural activities, was raised by a  
283 commodity trader interviewee and repeated by others including existing REDD+ purchasers. A  
284 commodity market expert interviewee proposed a mechanism for firms to certify commodities as  
285 being 'deforestation-free' via a trading mechanism with other firms, when zero deforestation  
286 sourcing is not possible within their own supply-chains. At the workshop a REDD+ market expert  
287 participant reported that there have been some moves toward such tools through initiatives such as  
288 the Round Table on Sustainable Palm Oil. These, however, have encountered heavy criticism with  
289 accusations of weak standards and continued deforestation in members' concessions (Greenpeace  
290 2013). The same market expert commented that more research was required to exploit the  
291 potentially large synergy between REDD+ and the move toward sustainable supply chains.

### 292 **REDD+'s missing middle: The difficulty for private sector stakeholders to** 293 **understand the complexity of REDD+**

294 The workshop set out to understand two key aspects of the current market: the value or services  
295 that private sector actors obtain from REDD+, and, the risks that these values or services may fail to  
296 emerge. Although participants recognised the importance of both, discussions also raised a further  
297 dimension: a broad lack of understanding of REDD+ in the private sector inclusive of its values and  
298 risks, characterised here as REDD+'s 'missing middle'.

299 Informed by discussions at the workshop this missing middle is conceptualised as consisting of three  
300 elements: a lack of understanding of the values that REDD+ can bring to the private sector  
301 (highlighted above with regard to the lack of an attractive story for REDD+); a lack of understanding

302 of the risks associated with REDD+ (demonstrated above in the discussion regarding difficulties in  
303 understanding and valuing reputational risks); and, a lack of understanding regarding the mapping of  
304 risks on to values.

### 305 Future scenarios for private sector involvement into REDD+

306 In a discussion on the relative attractiveness of different scales of REDD+ projects a participant with  
307 experience of marketing REDD+ commented that CSR purchasers preferred 'small, nice, cuddly'  
308 projects, and the ownership, control and PR benefits these can offer in contrast to JNR. In the  
309 discussion that followed a market expert raised the perception that there were fears from some  
310 buyers of working too closely with national or regional governments due to issues of corruption,  
311 further reducing the attractiveness of JNR vis-à-vis project-scale. Countering this, however, was the  
312 opinion raised by a project developer that firms wanted projects to be embedded in overall JNR  
313 frameworks, as these were more likely to reduce technical issues such as leakage.

314 Participants of the workshop were almost equally split over the future of REDD+. The first camp held  
315 that under clarified institutional settings and rules, REDD+ could eventually re-gain momentum,  
316 while the second expressed high uncertainty in this regard. Unless a robust framework for regulatory  
317 markets emerges, for instance through JNR, it was the perception of a market expert that private  
318 sector stakeholders preferred to participate in efforts to reduce emissions from deforestation and  
319 forest degradation in a narrower context. A point of consensus across the workshop, and also seen  
320 in interviews with market experts, is the likely move away from REDD+ being the focal point of  
321 projects and activities, in the sense that the main motivation of firms investing was carbon credits.  
322 Instead, firms are looking for wider benefits from their investment, with multiple sources of income.  
323 There is an increasing focus on other benefits that arise from projects that aim to reduce  
324 deforestation and generate a return in other ways, such as agro-forestry.

## 325 **Discussion and Conclusion**

326 REDD+'s brief history has been marked by periods of optimism and pessimism. The current mood in  
327 the private sector is generally pessimistic, with doubts over the emergence of regulatory demand  
328 and supply of credits outstripping demand, reported both by participants and in the literature (CI  
329 2013; GCP *et al.* 2014; Forest Trends 2014). While reportedly in decline, the finding that resale  
330 opportunities from investing in REDD+ remain is mirrored by Forest Trends (2012), which found that  
331 almost half of buyers of forest carbon credits (including Afforestation and Reforestation credits  
332 through the CDM) were motivated by either resale or investment or for regulatory or pre-regulatory  
333 reasons. In the voluntary market, recent commitments by companies to reduce deforestation in  
334 supply chains (UN 2014) and innovative moves to market REDD+ as a tool to reduce investment-risk  
335 offer potential. These voluntary actions raise the interesting proposition that at least some  
336 investment can be built on self-reinforcing action from within the private sector, with little or no  
337 government involvement.

338 Consistent with Corbera and Schroeder (2011) this paper finds that investors in REDD+ have  
339 different motivations, from pre-regulatory purchasers to those looking to voluntarily offset  
340 emissions, to those looking to reduce deforestation in supply chains. Firms seeking regulatory credits  
341 (or pre-regulatory experience) were more interested in obtaining low-cost options, whilst those  
342 purchasing for CSR were more interested in co-benefits (see also Forest Trends 2014), and the  
343 associated PR. Differentiated motivations for investing in REDD+ imply policymakers in REDD+  
344 jurisdictions and project developers need to offer a range of different products, or at least to better  
345 understand the differentiated market.

346 A good understanding of the aims and function of REDD+, along with its values and risks, is lacking  
347 among many private sector investors. Both values and risks differ depending on motivations. But  
348 even where there is an awareness of risks, the private sector is unable to measure and quantify

349 these. REDD+ lies outside the main activities of most firms, and if they are unable to understand or  
350 quantify specific risks of a particular project or initiative, they may be reluctant to invest. Improved  
351 understanding of the risks involved in different projects and initiatives might help direct capital to  
352 those with a better chance of reaching their aims. This could benefit REDD+ by helping to reduce  
353 demand for riskier projects and initiatives.

354 This lack of understanding regarding REDD+ (the 'missing middle') needs to be overcome if markets  
355 are to develop further. Helping to bridge this missing middle, aiding the private sector to understand  
356 the value that may arise from investing in REDD+ (and the positive impacts that REDD+ may bring to  
357 the environment and also to a company's image), and to understand (and quantify) the risks that  
358 may be encountered through such investment, could boost private sector investment. Given the  
359 multiplicity of REDD+ projects and initiatives, workshop participants unanimously agreed that there  
360 needs to be movement towards creating unified packages of information regarding REDD+.

361 In general, one of the greatest obstacles to innovation, especially in finance, is investors' natural  
362 resistance to change and new products often fail because investors are reluctant to shift strategy.  
363 This challenge has been met by other products in the environmental sphere such as Green Bonds  
364 (Climate Bonds Initiative 2015). Aversion to change can be even greater when investors are required  
365 to assess new products on the market themselves. Providing suitable, reliable and comparable  
366 information might remove at least one obstacle to greater engagement of private sector finance  
367 with REDD+.

368 Streamlining standards and the variety of certificates on offer could also reduce complexity for  
369 private sector decision-makers and might even help secure senior corporate backing. The recent  
370 growth in REDD+ standards and certificates mirrors the growth in certification schemes and eco-  
371 labels for timber that occurred in the 1990s. Indeed, some of the arguments for standardising timber  
372 eco-labels and certification schemes, for instance, that the diversity of labels can be confusing for

373 consumers (making it difficult to compare products' attributes) and weaken labels' credibility (see  
374 Fischer *et al.* 2005), can also be applied to REDD+. Some degree of standardisation, under the  
375 auspices of the UNFCCC, might help raise understanding of the potential values and benefits of  
376 REDD+ and assist in the understanding, measuring and quantification of the risks involved.

377 Given the scale of tropical deforestation, the current level of public and private investment to  
378 reduce it is tiny compared to what is required (CI 2013; GCP *et al* 2014). This is the case irrespective  
379 of whether REDD+ is implemented in the form of positive incentives (like payments for  
380 environmental services) or reducing deforestation in supply chains so that inputs to production can  
381 be certified as being 'deforestation free'. Yet, at the scale of individual projects or jurisdictions such  
382 as Acre in Brazil (Climate Focus 2013), the private sector can potentially make a difference (see  
383 Edwards *et al.* 2014). Indeed, where the private sector is part of the problem, in the sense of  
384 supplying commodities that drive forest conversion, it can be argued that it should, as quoted by a  
385 workshop participant, 'pay someone to stop doing something', becoming part of the solution. Supply  
386 chains that are free of deforestation would be a step in this direction and efforts should be made to  
387 integrate these with JNR.

388 For firms with operations not directly involved in deforestation, the problem with JNR is whether it  
389 will be sufficiently attractive and offer enough of a communicable storyline while providing sufficient  
390 finance to make it work. An institutional structure could be created that attracts a (capped) number  
391 of private sector partners to pool resources, at a size that allows each partner to obtain CSR benefits  
392 and retain sufficient ownership and control. Yet, the extent to which the private sector would be  
393 willing to get involved with a jurisdiction such as Acre in Brazil, whether individually or as part of a  
394 'club', remains to be seen. It may require the incorporation of the benefits of REDD+ that appear to  
395 make it attractive to the voluntary market, such as co-benefits and associated PR. But then REDD+  
396 policy would need to be designed to tackle multiple objectives - likely to be more challenging than  
397 tackling the single objective of reducing emissions from deforestation and forest degradation.

398 **References**

399

400 Angelsen, A. (2010) Policies for reduced deforestation and their impact on agricultural production.

401 *Proceedings of the National Academy of Sciences* **107**(46): 19639-19644

402 Atmadja, S. &amp; Verchot, L. (2011). A review of the state of research, policies and strategies in

403 addressing leakage from reducing emissions from deforestation and forest degradation.

404 *Mitigation and Adaptation Strategies for Global Change* 17(3): 311-336405 Brockington, D. & Duffy, R. (2011). *Capitalism and Conservation*. London, UK: Wiley-Blackwell

406 Climate Bonds Initiative. (2015) Scaling up green bond markets for sustainable development [www

407 document]. URL <https://www.climatebonds.net/files/files/CBI-Guide-2015-final-web.pdf>

408 Climate Focus. (2013) Acre, Brazil: Subnational Leader in REDD+ [www document]. URL

409 [http://www.climatefocus.com/sites/default/files/acre\\_brazil.pdf](http://www.climatefocus.com/sites/default/files/acre_brazil.pdf)

410 Conservation International. (2013) REDD+ Market: Sending out an SOS [www document]. URL

411 <http://www.redd-monitor.org/wp-content/uploads/2013/09/REDD-Market-SOS.pdf>412 Corbera, E., Schroeder, H., (2011) Governing and implementing REDD+. *Environmental Science &*413 *Policy* **14**, 89–99.414 Earthwatch, IUCN & WBCSD. (2002) *Business and biodiversity: a handbook for corporate action*.

415 Geneva: ATAR

416 Edwards, R., Tepper, D., &amp; Lowery, S. (2014) Jurisdictional REDD+ Bonds: Leveraging Private Finance

417 for Forest Protection, Development and Sustainable Agriculture Supply Chains [www

418 document]. URL [http://www.forest-trends.org/documents/files/doc\\_4208.pdf](http://www.forest-trends.org/documents/files/doc_4208.pdf)

- 419 Ehrenfeld, D. (2003) Globalization: effects on biodiversity, environment and society. *Conservation*  
420 *Society* 1: 99-111
- 421 Fischer, C., Aguilar, F., Jawahar, P., & Sedjo, R. (2005) *Forest Certification: Toward Common*  
422 *Standards?* Washington D.C.: Resources for the Future
- 423 Forest Trends. (2012) Leveraging the Landscape: State of the Forest Carbon Markets 2012 [www  
424 document]. URL [http://forest-trends.org/publication\\_details.php?publicationID=3242](http://forest-trends.org/publication_details.php?publicationID=3242)
- 425 Forest Trends. (2014) Sharing the stage: state of the voluntary carbon markets 2014 [www  
426 document]. URL <http://www.forest-trends.org/vcm2014.php>
- 427 GCP, IPAM, FFI, & FI. (2014) Stimulating interim demand for REDD + emission reductions : the need  
428 for a strategic intervention from 2015 to 2020 [www document]. URL  
429 <http://globalcanopy.org/StimulatingInterimDemand-Report>
- 430 Generation Foundation. (2013) Stranded carbon assets: why and how carbon risks should be  
431 incorporated in investment analysis [www document]. URL [http://genfound.org/media/pdf-](http://genfound.org/media/pdf-generation-foundation-stranded-carbon-assets-v1.pdf)  
432 [generation-foundation-stranded-carbon-assets-v1.pdf](http://genfound.org/media/pdf-generation-foundation-stranded-carbon-assets-v1.pdf)
- 433 Greenpeace. (2013) Certifying destruction: why consumer companies need to go beyond the RSPO  
434 to stop forest destruction [www document]. URL  
435 <http://www.greenpeace.de/files/publications/rsपो-certifying-destruction.pdf>
- 436 Gregersen, H., El Lakany, H., Karesnty, A. & White, A. (2010) *Does the Opportunity Cost Approach*  
437 *Indicate the Real Cost of REDD+? Rights and Realities of Paying for REDD+,* Washington D.C.,  
438 USA: Rights and Resources Institute
- 439 Guziana, B. (2013) Corporate Greening: Product and Production Perspectives [www document]. URL  
440 <https://www.diva-portal.org/smash/get/diva2:613401/FULLTEXT03.pdf>

- 441 IGES. (2013) REDD Project in Brazil Nut Concessions in Madre de Dios [www document]. URL.  
442 <http://redd-database.iges.or.jp/redd/download/project?id=99>
- 443 Kitzmuller, M., Shimshack, J. (2012) Economic Perspectives on Corporate Social Responsibility.  
444 *Journal of Economic Literature* **50**(1): 51–84.
- 445 Kolk, A., & Pinkse, J. (2004) Market strategies for climate change. *European Management Journal*  
446 **22**(3): 304–314.
- 447 Larson, A. (2011) Forest tenure reform in the age of climate change: Lessons for REDD+, *Global*  
448 *Environmental Change* **21**(2): 540-54.
- 449 Lee, D. & Pistorius, T. (2015) The impacts of international REDD+ finance [www document]. URL.  
450 [http://www.unique-](http://www.unique-forst.de/images/publications/vereinheitlicht/ImpactsofInternationalREDDFinance.pdf)  
451 [forst.de/images/publications/vereinheitlicht/ImpactsofInternationalREDDFinance.pdf](http://www.unique-forst.de/images/publications/vereinheitlicht/ImpactsofInternationalREDDFinance.pdf)
- 452 Leonard, S. (2015) The REDD+ Framework: Finally complete after almost 10 years [www document].  
453 URL. [http://blog.cifor.org/29000/the-redd-framework-finally-complete-after-almost-10-](http://blog.cifor.org/29000/the-redd-framework-finally-complete-after-almost-10-years?fnl=en)  
454 [years?fnl=en](http://blog.cifor.org/29000/the-redd-framework-finally-complete-after-almost-10-years?fnl=en)
- 455 McWilliams, A., & Siegel, D. (2001) Corporate Social Responsibility: a Theory of the Firm Perspective.  
456 *The Academy of Management Review* **26**(1): 117–127.
- 457 Meyer, C. (2015) Three cheers for REDD+ and forests in the Paris Climate Agreement [www  
458 document]. URL. [http://blogs.edf.org/climatetalks/2015/12/15/three-cheers-for-redd-and-](http://blogs.edf.org/climatetalks/2015/12/15/three-cheers-for-redd-and-forests-in-the-paris-climate-agreement/)  
459 [forests-in-the-paris-climate-agreement/](http://blogs.edf.org/climatetalks/2015/12/15/three-cheers-for-redd-and-forests-in-the-paris-climate-agreement/)
- 460 Nhantumbo, I. (2011) REDD+: a win-win deal is possible! [www document]. URL  
461 <http://www.iied.org/redd-win-win-deal-possible>

- 462 Palmer, C. (2011) Property rights and liability for deforestation under REDD+: Implications for  
463 'permanence' in policy design. *Ecological Economics* **70**(4): 571–576.
- 464 Palmer, C. and Engel, S. (eds) (2009) *Avoided deforestation: Prospects for mitigating climate change*.  
465 London, UK: Routledge.
- 466 PwC, Winrock International, Climate Focus & IUCN. (2011) Funding for forests: UK Government  
467 support for REDD+ [www document]. URL  
468 [https://www.gov.uk/government/uploads/system/uploads/attachment\\_data/file/48074/18](https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/48074/1832-funding-for-forests-uk-government-support-for-red.pdf)  
469 [32-funding-for-forests-uk-government-support-for-red.pdf](https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/48074/1832-funding-for-forests-uk-government-support-for-red.pdf)
- 470 Robinson, J. (2012) Common and Conflicting Interests in the Engagements between Conservation  
471 Organizations and Corporations. *Conservation Biology* **26**(6): 967-977
- 472 Rose, M. & Colchester, M. (2004) Green corporate partnerships – are they an essential tool in  
473 achieving the conservation mission or just a ruse for covering up ecological crimes?, *The*  
474 *Ecologist*, **July/August** 30-33
- 475 Ruggie, J. (2008) Protect, respect and remedy: a framework for business and human rights.  
476 *Innovations* **3**(2):189–212
- 477 Shankleman, J. (2014) P&G pledges zero deforestation by 2020 [www document]. URL  
478 <http://www.greenbiz.com/blog/2014/04/10/pg-pledges-zero-deforestation-2020>
- 479 TEEB (The Economics of Ecosystems and Biodiversity). (2010) The Economics of Ecosystems and  
480 Biodiversity report for business – executive summary [www document]. URL  
481 <http://www.teebweb.org/publication/teeb-for-business-executive-summary/>
- 482 The Climate, Community and Biodiversity Alliance. (2013) The Kasigau corridor REDD project phase II  
483 – the community ranches [www document]. URL <http://www.climate->

- 484 [standards.org/2011/03/17/the-kasigau-corridor-redd-project-phase-ii-the-community-](http://standards.org/2011/03/17/the-kasigau-corridor-redd-project-phase-ii-the-community-ranches/)  
485 [ranches/](http://standards.org/2011/03/17/the-kasigau-corridor-redd-project-phase-ii-the-community-ranches/)
- 486 UN. (2014) New York Declaration on Forests [www document]. URL  
487 [http://www.un.org/climatechange/summit/wp-content/uploads/sites/2/2014/09/FORESTS-](http://www.un.org/climatechange/summit/wp-content/uploads/sites/2/2014/09/FORESTS-New-York-Declaration-on-Forests.pdf)  
488 [New-York-Declaration-on-Forests.pdf](http://www.un.org/climatechange/summit/wp-content/uploads/sites/2/2014/09/FORESTS-New-York-Declaration-on-Forests.pdf)
- 489 UNFCC (United Nations Framework Conference on Climate Change). (2005) Reducing emissions from  
490 deforestation in developing countries: approaches to stimulate action. Submissions from  
491 parties; FCCC/CP/2005/MISC.1 [www document]. URL  
492 <http://unfccc.int/resource/docs/2005/cop11/eng/misc01.pdf>
- 493 Van der Werf, G. R., Morton, D. C., DeFries, R. S., Olivier, J. G. J., Kasibhatla, P. S., Jackson, R. B.,  
494 Randerson, J. T., (2009) CO2 emissions from forest loss. *Nature Geoscience* **2**(11): 737–738.

## 1 **Supplementary Material**

### 2 **S1: REDD+ market context**

3 In the 2000s, private sector finance for REDD+ was expected to be predominantly generated from  
4 entities regulated under emissions trading schemes, with mandated emissions reductions partially  
5 met via the purchase of 'offset' credits from REDD+ projects (Clements 2010; Agrawal et al 2011;  
6 Phelps *et al.* 2011). For example, firms facing obligations under the European Union's Emissions  
7 Trading Scheme (EU ETS) can use credits from Clean Development Mechanism (CDM) and Joint  
8 Implementation (JI) projects. The peak of private sector interest in REDD+ as a potential new  
9 investable asset class was just prior to 2009 (Forest Trends 2014), when the demand from regulatory  
10 markets was projected to rise in the near future. Investors saw opportunities to profit by selling on  
11 REDD+ credits to entities with potential future compliance needs under regulated emissions trading  
12 schemes, despite continued uncertainty over the future eligibility of REDD+ in the EU ETS.

13 At present, only credits from the Clean Development Mechanism (CDM) and Joint Implementation  
14 (JI) are eligible for use by EU ETS installations and although there has been some discussion  
15 regarding the inclusion of REDD+ in the CDM, this is unlikely to occur in the short-term. A general  
16 scepticism regarding future REDD+ compliance demand in Europe (communicated to the authors by  
17 a carbon market expert), and a move away from offsetting in the EU ETS, has been compounded by a  
18 lack of new carbon trading schemes to emerge since the EU ETS. Perhaps most significantly, the  
19 Waxman-Markey Bill in the USA proposed a national level cap-and-trade scheme that would have  
20 allowed between 500 million to 1 billion tonnes of REDD+ credit purchases by participating firms per  
21 year (Open Congress 2009). Credits would have been sourced from eligible projects and countries,  
22 with a gradual movement towards a fully national-level approach, with purchases made directly  
23 from governments. The failure of the passage of the bill in the US Senate in 2009 reduced short-term  
24 expectations of the return from REDD+ investments, and removed the immediate prospects of  
25 national-level demand for REDD+ from the US.

26 Further damage to potential compliance demand for REDD+ came with the repeal of the Australian  
27 Carbon Pricing Mechanism in 2014. Although the Australian scheme had not yet granted eligibility to  
28 REDD+ credits it did represent a potential future source of demand, especially given close relations  
29 between Australia and Indonesia on REDD+, through the Indonesia-Australia Forest Carbon  
30 partnership that ran between 2009 and 2014.

31 California is the only jurisdiction that has made concrete moves towards the inclusion of REDD+  
32 offsets in a jurisdiction-scale climate policy framework. It implemented a state-level cap-and-trade  
33 scheme in the absence of US national policy in January 2013, initially only allowing domestic offsets.  
34 Each regulated entity can use such offset credits to meet 8% of their annual emissions, with the use  
35 of international credits initially capped at 2%, before rising to 4%. Eligible REDD+ credits are likely to  
36 come initially from two jurisdictions, also States: Chiapas in Mexico and Acre in Brazil. Given that  
37 REDD+ is yet to enter into the Californian scheme, the future potential scale of investment remains  
38 speculative. GCP estimate that up to 80 million tonnes of REDD+ credits could be purchased by  
39 Californian regulated entities by 2020, about 70% of the proposed emission reductions in Acre,  
40 between 2015 and 2020 (GCP *et al.* 2014).

41 Beyond the regulatory market, a market for those looking to voluntarily purchase REDD+ credits has  
42 emerged. This market is relatively small, especially in comparison to the potential REDD+ supply  
43 pipeline with an estimated 28 million tonnes of REDD+ credits purchased by a variety of different  
44 types of companies for voluntary reasons in 2012, for a total value of US\$216 million, slightly less  
45 than the previous year (GCP *et al.* 2014). This demand is exceeded by the supply of credits generated  
46 by all current projects (GCP *et al.* 2014). In 2012 30 million tonnes of REDD+ credits from existing  
47 projects remained unsold, over 50% of the total supply in the pipeline for that year (Forest Trends  
48 2012). The implication of this unsold surplus can be seen in the reported prices for REDD+ credits,  
49 down from US\$7.4/tCO<sub>2</sub> in 2012 to an average of US\$4.2/tCO<sub>2</sub> in 2013 (Forest Trends 2014).

50

51 Agrawal, A., Nepstad, D., and Chhatre, A. (2011) Reducing Emissions from Deforestation and Forest  
52 Degradation. *Annual Review of Environment and Resources* **36**: 373-396

53 Clements, T. (2010) Reduced Expectations: the political and institutional challenges of REDD+. *Oryx*  
54 **44**(3), 309-310

55 Open Congress. (2009) American Clean Energy And Security Act of 2009 [www document]. URL  
56 <https://www.opencongress.org/bill/hr2454-111/text>

57 Phelps, J., Webb, E. & Koh, L. (2011) Risky business; an uncertain future for biodiversity conservation  
58 finance through REDD+. *Conservation Letters* **4**(2): 88-94

59

60

## 61 **S2: Interview Guides**

### 62 ***Questions for entities focused on offsetting for compliance***

- 63 - What are the prospects of REDD+ playing a role in compliance markets?
- 64 ○ Do you think there is potential interest from compliance buyers for REDD+ options?
- 65 ○ On what time horizon do you sense that compliance purchasers are making decision  
66 regarding offset purchases?
- 67 ○ What have been the main reasons why compliance entities have made decisions  
68 between different offsets?
- 69     ▪ How large a role has price vs other factors played in decision-making?
- 70 ○ Who have been the key people in the organization regarding compliance purchases?

71

### 72 ***Questions for existing REDD+ purchasers***

73

74 - What have been the motivations of existing REDD+ purchasers?

75 ○ What have been the key lessons from the experience of these existing purchasers?

76 ○ Would jurisdictional REDD+ be as attractive to existing purchasers as project-based  
77 credits?

78 ○ How important has price considerations been in non-compliance offset purchasers  
79 decision-making?

80 - Who have been the key people in the organization regarding REDD+/offset purchases?

81 - What are the main barriers to engaging private sector finance in REDD+?

82 - What are the prospects for increasing non-compliance REDD+ demand?

83 ○ What tools could be used to boost demand?

84

85 ***Questions for Exchanges involved in carbon trading***

86 - What would be required to catalyse interest in the major exchanges in designing a REDD+ option  
87 market?

88 - What would be the steps required to establish a REDD+ options market place? How does this  
89 mirror (or differ) the establishment of any other carbon offset market? How would this be  
90 different for an options approach?

91

92

93 **S3: Workshop material**

94 ***Developing an Options Market and Complementary Financial Structures to Mobilize Private Capital***  
95 ***for REDD+ and Manage Climate Policy Risks (Options Market and Risk-Reduction Tools for REDD+)***

96 ***- LSE – CMIA/IETA workshop – April 3, 2014***

97

98 ***Overall project background***

99 REDD+ is at a crossroads - discussions have advanced in the UNFCCC negotiations and readiness efforts are  
100 progressing with public financing but private capital is largely on the sidelines. A lack of demand is coupled  
101 with uncertainty and risks that hinder the implementation and development of supply. On the other hand  
102 regulated companies potentially face large carbon price uncertainty, generating significant risk. Options on  
103 REDD+ could provide a mechanism to mobilize private capital in the near and medium terms while offering  
104 business and governments a tangible hedging tool in today's uncertain policy environment. NORAD is funding  
105 the Environmental Defense Fund, in collaboration with the LSE, IIASA and the Mercator Research Institute on  
106 Global Commons and Climate Change to undertake a project to develop an Options Market and  
107 Complementary Financial Structures to Mobilize Private Capital for REDD+ and Manage Climate Policy Risks.

108 ***Project Outcomes***

109 The project aims to produce research papers and modeling tools to support REDD+ options transactions and  
110 other risk-management mechanisms, along with communications and policy advocacy documents for non-  
111 technical audiences. The ultimate aim of the project is to facilitate at least one pilot transaction that  
112 demonstrates the options approach to REDD+ financing between private investors (possibly along with a public  
113 institution) and a REDD+ jurisdiction.

114 ***Workshop Objectives***

115 LSE's role in the project is to help to understand the current REDD+ demand context, and the future prospects  
116 for any REDD+ market. To facilitate this understanding LSE is engaging with a number of different actors  
117 involved in REDD+ and carbon markets. As part of this engagement LSE approached both CMIA and IETA for

118 their assistance. The result has been the proposal for a workshop to be held with members of both CMIA's  
119 REDD+ Working Group and IETA's Land/Use Forestry Working Group at LSE on Thursday April 3, from 12:30pm  
120 until 3:30pm.

121

122 The workshop has two main objectives: the first is to canvass the expertise and experience of the members of  
123 the groups in answering the following questions:

- 124 - What are the prospects of REDD+ playing a role in compliance markets?
- 125 - What are the prospects for increasing non-compliance REDD+ demand?
- 126 - What have been the motivations of existing REDD+ purchasers?
- 127 - What have been the key lessons from the experiences of these existing purchasers?
- 128 - What are the main barriers to engaging private sector finance in REDD+?
- 129 - What are the main buyer, supplier and intermediary risks facing REDD+ today?

130

131 The second objective is to present initial thinking from LSE and the wider project regarding the use of options  
132 and other financial tools to reduce risks to both REDD+ sellers and REDD+ buyers and how they may increase  
133 demand and/or mitigate risk. It is our hope that the workshop can build relationships that can provide avenues  
134 for dissemination of findings from the work of LSE and the wider project.

#### 135 ***Follow-ups and outputs***

136 The aim of the work being undertaken by the LSE is to produce a report outlining the current state of REDD+  
137 demand, the perceptions of private sector operators as to the outlook given the current policy conditions and  
138 the interest, if any, in risk reduction tools such as options. The report from LSE will be complemented by a  
139 similar report from EDF focusing on perceptions in the United States. These reports will be accompanied by a  
140 programme of stakeholder engagement focusing on communicating the key messages to policy-makers, and  
141 also testing and refining the findings and messages from the study through further engagement with private  
142 sector stakeholders.

143

144

**Agenda**

145 The workshop will be built around three separate sessions. In each an LSE staff member will very  
146 briefly outline the topics of interest and our initial findings and thoughts on each topic before  
147 starting an open discussion focusing on the key questions within each topic.

148 **12:30pm – 1:00pm** ***Buffet Lunch and Greetings***

149 **1pm – 1:15pm** ***Introduction***

150 **1:15pm – 2:00pm** ***Where does REDD+ stand today?***

151 5 minute presentation followed by open discussion on:

- 152 ○ Prospects for Compliance/Non-compliance
- 153 ○ Motivations for current purchasers
- 154 ○ Lessons from previous experience
- 155 ○ Jurisdictional v Project based approaches

156 **2:00pm – 2:45pm** ***Barriers and Risks to REDD+***

157 5 minute presentation followed by open discussion on:

- 158 ○ Main barriers to engaging private sector
- 159 ○ Main risks facing buyers, suppliers and intermediaries

160 **2:45pm – 3:30pm** ***The Future for REDD+***

161 5 minute presentation followed by open discussion on:

- 162 ○ Options and other tools to reduce risk
- 163 ○ Actions to enable interim financing
- 164 ○ California possibilities
- 165 ○ Post 2020 Prospects

166 Session 1 presentation:

## Where does REDD+ stand today?

167



### Our thoughts

- There is no current demand for REDD+
- For REDD+ to enter into compliance markets it needs to be demonstrated
- Non-compliance motivations could assist in boosting interim demand
- Jurisdictional REDD+ may be less attractive to voluntary buyers

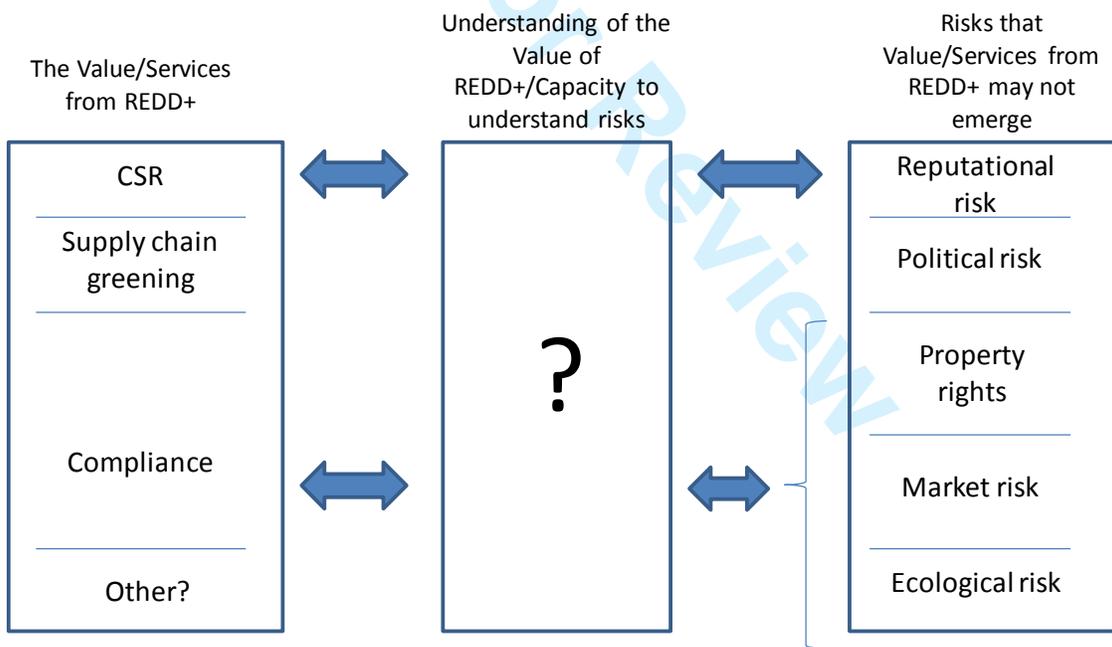
168

## What we'd like to know

- What are the prospects of REDD+ playing a role in compliance markets?
- What are the prospects for increasing non-compliance REDD+ demand?
- What have been the motivations of existing REDD+ purchasers?
- What have been the key lessons from the experiences of these existing purchasers?

169

170 Session 2 presentation:



171

172

173

174 **S4: Kering and REDD+**

175 Kering is a French multinational clothing and accessories company controlling global brands such as  
176 Puma and Gucci. The firm has a strong commitment to sustainability dating back to an original ethics  
177 charter issued in 1996. One of its subsidiaries, Puma, moved to Environmental Profit and Loss  
178 Accounting in 2011.

179 As part of its sustainability strategy, Kering has committed to a number of environmental targets  
180 with direct or indirect relevance to forests. These include a commitment to offset all its emissions  
181 from Scope 1 and 2 activities – using offset programmes that contribute to the welfare of the  
182 community and the conservation of biodiversity in its regions of operations.. In order to help achieve  
183 this objective in 2012 Kering procured a 5% stake in Wildlife Works, a leading REDD+ project  
184 development and management company. This allowed Kering to take a place on the management  
185 committee of the company through which it procures the REDD+ credits that it uses to offset all its  
186 emissions.

187 Kering's engagement with REDD+, despite its relatively higher price than otherwise offset  
188 opportunities, fits within the overall target of its sustainability arm to: 'invest in for-profit businesses  
189 that incorporate biodiversity conservation and social concerns into their business model, resulting in  
190 net-positive social and environmental impacts.'

191 The multiple benefits that REDD+ offers to Kering may well lie behind the companies large  
192 commitment to the asset class. Further REDD+ investments may also prove useful to meet other  
193 sustainability targets that Kering has set itself. The company has committed that 100% of the leather  
194 used in its products will be from sources that do not result in converting ecosystems into grazing or  
195 agricultural lands. REDD+'s potential role in providing green supply chains, along with offsetting  
196 carbon emissions may therefore offer strong motivations for companies with multiple sustainability  
197 objectives to invest in the asset.

Proof for Review

199 ***S5: Ulu Masen REDD+ demonstration project***

200 The Ulu Masen REDD+ demonstration project, covering around 750,000 hectares in Aceh  
201 (Indonesia), was designed by Aceh's Government in combination with the private company 'Carbon  
202 Conservation', and with some initial guidance from Flora and Fauna International (Institute for  
203 Global Environmental Strategies 2007). Merrill Lynch was reported to have invested US\$9 million  
204 into the project in an arrangement that committed the bank to purchase US\$9 million worth of  
205 credits with an option to buy further credits (Business Green 2008). The project was validated by the  
206 in 2008 but the validation subsequently expired and the project stalled, with no credits issued. Part  
207 of the land planned for the project has since been sold to a Canadian mining company (Sydney  
208 Morning Herald 2012).

209 Business Green, (2008). Merrill Lynch throws weight behind avoided deforestation credits [www  
210 document]. URL [http://www.businessgreen.com/bg/news/1806676/merrill-lynch-throws-  
211 weight-avoided-deforestation-credits](http://www.businessgreen.com/bg/news/1806676/merrill-lynch-throws-weight-avoided-deforestation-credits)

212 Institute for Global Environmental Strategies. (2007) Reducing carbon emissions from deforestation  
213 in the Ulu Masen Ecosystem, Aceh, Indonesia. Project design note for CCBA Audit (December  
214 29, 2007) [www document]. URL [http://redd-  
215 database.iges.or.jp/redd/download/project;jsessionid=F5414B40A100A330B258A615F9799  
216 5C8?id=87](http://redd-database.iges.or.jp/redd/download/project;jsessionid=F5414B40A100A330B258A615F97995C8?id=87)

217 Sydney Morning Herald. (2012) Credits lost in tangle of Aceh's forests [www document]. URL  
218 [http://www.smh.com.au/environment/conservation/credits-lost-in-tangle-of-acehs-forest-  
219 20120608-201gl.html](http://www.smh.com.au/environment/conservation/credits-lost-in-tangle-of-acehs-forest-20120608-201gl.html)

220