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How Sustainability Ratings Might Deter “Greenwashing”:

A Closer Look at Ethical Corporate Communication

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ABSTRACT. Of the many ethical corporate marketing practices, many firms use corporate social responsibility (CSR) communication to enhance their corporate image. Yet consumers, overwhelmed by these more or less well-founded CSR claims, often have trouble identifying truly responsible firms. This confusion encourages “greenwashing” and may make CSR initiatives less effective. On the basis of attribution theory, this study investigates the role of independent sustainability ratings on consumers’ responses to companies’ CSR communication. Experimental results indicate the negative effect of a poor sustainability rating for corporate brand evaluations in the case of CSR communication, because consumers infer less intrinsic motives by the brand. Sustainability ratings thus could act to deter “greenwashing” and encourage virtuous firms to persevere in their CSR practices.

KEY WORDS: ethical corporate marketing, CSR communication, attribution theory, sustainability ratings.

INTRODUCTION

Broadly defined, corporate social responsibility (CSR) attempts to achieve commercial success in ways that honour ethical values and respect people, communities, and the natural environment (Bhattacharya and Sen, 2004). The study of CSR generally appears within investigations of general stakeholder theory (Clarkson, 1995; Donaldson and Preston, 1995), but consumers largely were ignored as stakeholders before marketing researchers started to examine their responses to firms' respect or violation of social principles. Beyond consumers' responses to CSR activities, the question of their reactions to ethical corporate marketing and, more specifically, to CSR communication, though relatively recent in marketing research (Maignan and Ferrell, 2004; Swaen and Vanhamme, 2005; Morsing, 2006), has gained greater importance, because CSR communication expenses have grown to become the third-largest budget item for corporate communication departments in large companies (Hutton et al., 2001).

CSR corporate communication pertains to communicated corporate identity and is supposed to play a crucial role in the formation of conceived corporate identity (Hoeffler and Keller, 2002; Balmer and Greyser, 2003, 2007; Balmer et al., 2007) and social legitimacy (Vanhamme and Grobbsen, 2009). However, the profusion of CSR claims, whether well-founded or not, creates difficulties for consumers who attempt to distinguish between truly virtuous firms and firms taking opportunistic advantage of sustainable development trends. In response, a strong movement denounces "greenwashing" (Bradford, 2007), defined as tactics that mislead "*consumers regarding the environmental practices of a company or the environmental benefits of a product or service*" (www.terrachoice.com). In such conditions, the potential benefits of CSR communication for corporate brand evaluation may be questionable, even for truly responsible companies. The situation also could lead to a prisoner's dilemma, in which responsible firms would benefit if they halted their responsible practices but kept communicating. This dilemma raises an important societal research

question: How can society regulate CSR communication practices to deter “greenwashing” and encourage virtuous companies in their initiatives?

Within the context of a growing number of independent sources of information, this research specifically addresses questions about the potential influence of sustainability ratings on consumers’ responses to CSR communication. To reach this objective, we investigate how consumers decode CSR communication in light of sustainability ratings, for which attribution theory offers a particularly well-suited option (Sjovall and Talk, 2004; Van de Ven, 2008). In the next section, we therefore summarize important concepts from ethical corporate marketing literature, paying particular attention to distinguishing controllable corporate communication from non-controllable corporate information. Then we draw on attribution theory to derive hypotheses about how a good or poor sustainability rating might influence consumers’ attitude making process and CSR communication’s efficiency through motive attributions. To test the hypotheses, we turn to an experiment with a sample of 122 adult consumers. We conclude with a discussion of the theoretical and societal implications of our findings for sustainability ratings and the effects of CSR communication on corporate brand building.

LITERATURE REVIEW

CSR communication and ethical corporate marketing

To clarify the corporate marketing paradigm, Balmer and Greyser (2003, 2007) propose an integrative model of corporate identity composed of five distinct facets. The communicated identity facet—or what the company communicates to its shareholders—has particular importance for this research, because communicated identity plays the role of a nexus between the company’s identity and image (Gray and Balmer, 1998), which reflects the “*multi-attribute overall corporate image and corporate reputation held by relevant stakeholders*” (Balmer et al., 2007, p.8). Furthermore, Fukukawa and colleagues (2007) insist

that corporate identity (“what we really are”) should be congruent with communication (“what we say we are”). Therefore, when studying the effect of ethical corporate marketing on corporate image, investigating corporate communication about ethical subjects should be a priority.

As an aspect of corporate communication, CSR communication “*is designed and distributed by the company itself about its CSR efforts*” (Morsing, 2006, p.171) and can reflect three potential approaches (Van de Ven, 2008). The reputation management approach focuses “*on the basic requirements of conducting a responsible business to obtain and maintain a license to operate from society*” (Van de Ven, 2008, p.345) and implies no explicit CSR communication. The second approach, building a virtuous corporate brand, means making an “*explicit promise to the stakeholders and the general public that the corporation excels with respect to their CSR endeavours*” (Van de Ven, 2008, p.345), which clearly suggests CSR communication. In this sense, two communication instruments are available (Van de Ven, 2008): corporate communication instruments (e.g., CSR reporting, publication of ethical codes, Web sites) and marketing communication instruments (e.g., advertising, sponsoring, direct marketing and promotions, public relations). The latter, which can be overly salient (Sjovall and Talk, 2004), are riskier and therefore remain less common, despite some recent rapid growth. For example, in France in 2007, 3% of mass media advertisements included messages about company actions to protect the environment, a threefold increase compared with 2006 (ARPP, 2008). The third, ethical product differentiation approach means “*differentiating a certain product or service on the basis of an environmental or social quality*” (Van de Ven, 2008, p.348). In this case, CSR efforts constitute the heart of the brand positioning (e.g., The Body Shop, Natura Brasil), which makes CSR communications natural and inevitable.

Although managers have long followed the principle: Do good and let other talk about it (Kotler and Lee, 2005), the use of CSR communication is growing, because it provides a corporate marketing tool that can build a strong corporate image and reputation (Balmer, 1998; Gray and Balmer, 1998; Hoeffler and Keller, 2002; Balmer and Greyser, 2007) and achieve social legitimacy (Morsing, 2006; Vanhamme and Grobben, 2009). However, we know little about how a central group of stakeholders, namely, consumers, actually respond to it.

Controversial effects of CSR communication on consumers

Most empirical studies indicate a strong negative impact of a company's alleged irresponsible acts (e.g., child labour, human rights violations, air and water pollution) on attitudes toward the firm (Murray and Vogel, 1997; Folkes and Kamins, 1999), as well as on attitudes toward the product and purchase intentions (Murray and Vogel, 1997; Swaen and Vanhamme, 2004, 2005). Mohr and Webb (2005) demonstrate the asymmetrical impact of societal practices on consumers' perceptions, as suggested by Creyer and Ross (1997). Strong CSR performance positively influences consumers' attitudes toward the firm and purchase intentions, whereas poor performance damages them even more. Although the negative impact of irresponsible acts is unambiguous, the positive effect of good societal performances is more controversial (Brown and Dacin, 1997; Swaen and Vanhamme, 2004; Mohr and Webb, 2005). The main weakness of these research works is that they rarely take into account the "communication" theoretical framework, meaning they do not systematically question the expression of the message, the credibility of the source, or the medium used.

To date, the specific effects of proactive CSR communication have received little attention in marketing research. Schlegelmilch and Pollach (2005) generally discuss the perils and opportunities of communicating corporate ethics. Other works focus on the effect of previous CSR communication in the case of a crisis (Swaen and Vanhamme, 2004; Vanhamme and Grobben, 2009). Benoit-Moreau and Parguel (2007) also demonstrate a

positive impact of CSR communication on perceived corporate brand equity, depending on the perceived congruency between the company and the cause supported: The more congruent the engagement, the more efficient is the communication.

The investigation of consumers' responses to explicit CSR communication is even more crucial in an actual context, because the profusion of CSR claims has prompted a movement that denounces those advertising agencies that encourage "greenwashing" (Bradford, 2007). Consumers' scepticism toward firms that take opportunistic advantage of sustainable development trends thus is growing. If a company focuses badly or too intently on its CSR claims, consumers may believe that it is trying to hide something (Brown and Dacin, 1997). Perceptions of "greenwashing" or deliberately misleading strategies can damage consumers' attitude toward a company that communicates about its CSR engagements, which suggests that the potential benefits of CSR communication for corporate brand evaluation are questionable. Research needs to determine when and why CSR communication positively enhances corporate brand evaluations and when and why it damages them. Several studies suggest that part of the answer may stem from a greater understanding of how consumers decode the motivations behind CSR communication (Dean, 2004; Pirsch et al., 2007; Van de Ven, 2008).

Controllable CSR communication versus uncontrollable CSR information

Two types of CSR information sources differ from a consumer perspective: company-controlled communication (part of the corporate identity mix, Van Riel, 1995) and uncontrolled information, such as word of mouth, mass media, or nongovernmental organizations' (NGO) communications (Balmer and Gray, 1999; Balmer et al., 2007). With regard to ethical corporate identity, "*uncontrolled communication is in need of increased attention*" (Balmer et al., 2007, p.9) because consumers have access to independent sources of information and can compare information provided by the company with evaluations from

third parties, such as sustainability ratings. Uncontrolled sources of information have increased in response to consumers' demand for more credible information about environmental concerns. For example, 71% of French consumers report difficulties evaluating the real impact of environmental innovations (IFOP 2008). Various third parties, including NGOs (e.g., Council on Economic Priorities), consulting agencies (e.g., Seeds of Change in France), and media (e.g. *Fortune's* Most Admired Companies), publish independent general information or sustainability evaluations of companies' CSR practices (e.g., the guide *Shopping for a Better World*, the Web site www.climatecounts.org).

Swaen and Vanhamme (2005) note that the use of a source that is not perceived as controlled by the company increases the positive impact of CSR campaigns. Information from third parties, such as reviews (Chen and Xie, 2005), ratings (Larceneux, 2007), or visible labels of quality (Dickson, 2001), may be influential if they are accessible and minimise cognitive requirements for consumers (Carpenter and Larceneux, 2008). Therefore, the interaction between third parties' uncontrolled information and companies' controlled CSR communication may be strategic for determining consumers' attitude toward the corporate brand. We build on attribution theory to derive a clearer understanding of how consumers perceive and respond to CSR communication. Specifically, we investigate the influence of a sustainability rating provided by an uncontrolled information source on consumers' response to the CSR controlled communication issued by a company on its commercial Web site.

CONCEPTUAL FRAMEWORK AND HYPOTHESES

Attribution theory, sustainability ratings, and company's perceived motives

Attribution theory describes the way people make causal inferences to explain their own or others' behaviour (Heider, 1944; Kelley, 1973; Kelley and Michela, 1980). In marketing literature, this theory helps explain consumers' responses to product failures (Folkes, 1984;

Dawar and Pillutla, 2000) and their evaluations of companies that engage in social sponsorship (Rifon et al., 2004) or cause-related marketing (Ellen et al., 2000; Dean, 2003), two forms of CSR engagements. Although this framework has been considered as a means to explain consumers' reactions to CSR communication (Sjovall and Talk, 2004), it has not been tested experimentally.

Using Heider's (1944) framework, we distinguish two types of causal attributions: causes attributed to the dispositions of the actor (intrinsic motives) and those attributed to environmental factors (extrinsic motives). When faced with CSR communication, consumers may infer a genuine environmental consciousness by the company (intrinsic motive) or an attempt to take opportunistic advantage of sustainable development trends (extrinsic motive). As do Sjovall and Talk (2004), we adopt a framework in which consumers infer such corporate motives.

If consumers observe that a company communicates about its CSR engagements but have no other information about the firm, they probably attribute the communication to the current sustainability trend, which is an extrinsic motive. This trend is similar to the dimension of social consensus, described as one of the three elements of the covariation model of Kelley (1973), which indicates that an effect will be attributed to the cause with which it covaries. Two other dimensions also constitute this model: distinctiveness and consistency. Distinctiveness reflects the degree to which the behaviour occurs only within a particular situation or is repeated by the actor in other situations (Sjovall and Talk, 2004). Therefore, a CSR engagement communicated by a company engaged in various CSR activities is not distinctive, and the CSR communication should be attributed to the intrinsic motives of the company. Consistency refers to the degree to which a behaviour is repeated across time (Sjovall and Talk, 2004). If CSR engagements are frequent company practices, consumers should deduce that the engagement mentioned in the communication is consistent

with previous ones and that the communication is not opportunistic, with an intrinsic motive. Thus, consumers should be able to infer well-founded attributions about the company's motives behind its CSR communications if they can determine that its CSR engagement is non-distinctive and consistent. External information also may help them attain this impression.

We investigate the influence of a specific type of external information, namely, sustainability ratings. These ratings provide information about stakeholders' evaluations of the way companies take into account social and environmental principles in their activities (Gotsi and Wilson, 2001). When a company's sustainability ratings are very positive, it means that the company respects sustainability principles in various ways (i.e. its engagements are non distinctive) and on a frequent basis (i.e, its engagement are consistent). As a result, consumers should deduce that the CSR engagement advertised is non-distinctive and consistent with the company's past behaviours. In turn, they should attribute these claims to the company's genuine social consciousness. In contrast, a poor sustainability rating makes the advertised message distinctive and/or inconsistent across time and therefore should drive attributions to more extrinsic motives (Regan et al., 1974; Sherry, 1983; Sjoval and Talk, 2004), such as an attempt to exploit current fashions. Therefore, we hypothesize:

H1: Consumers perceive a company's motives to communicate as (a) more intrinsic and (b) less extrinsic when the company earns a good rather than a poor sustainability rating.

To gain a deeper understanding of the formation of intrinsic motives, attribution theory also suggests the mediating role of perceived effort.

On the one hand, sustainability ratings may influence the way consumers evaluate the company's general CSR effort after their exposure to the communication. Two identical efforts might be perceived differently by consumers, depending on situational factors (Tversky and Kahneman, 1974). In marketing research, many academics support such

framing effects and show that when people doubt an offer's credibility, they tend to discount its value compared with offers of an equal amount (Gupta and Cooper, 1992). In the context of CSR communication, a poor sustainability rating may prompt consumers' scepticism toward the advertised message, leading them to discount the company's CSR effort compared with an equivalent CSR engagement communicated without any other information.

On the other hand, attribution theory posits that the amount of effort expended by an actor indicates its intrinsic motives, because such efforts require willingness (Weiner, 1979). In our study context, a company's perceived effort should reflect the degree of its commitment to the cause and reveal a genuine social consciousness (Ellen et al., 2000). Everything else being equal, the company's motive to communicate should be perceived as more intrinsic when its efforts appear strong rather than weak. In this sense, we expect that the level of CSR effort, as perceived by consumers on the basis of the company's CSR communication, will partially mediate the effect of sustainability ratings on consumers' perceptions of an intrinsic motive. Therefore, we postulate:

H2: A company's perceived CSR effort partially mediates the impact of the sustainability rating on its perceived intrinsic motives to communicate.

Perceived motives and corporate brand evaluation

Previous studies investigate the consequences of attributions (Kelley and Michela, 1980) and suggest that an attribution of a specific behaviour as intrinsically or extrinsically motivated influences attitudes toward the actor (Robertson and Rossiter, 1974; Folkes, 1984; Klein and Dawar, 2004).

In the context of moral behaviour, the perception of an actor's intrinsic motive reflects the degree to which a person genuinely experiences feelings and suggests recognition of a certain amount of transparency, which increases perceived sincerity (Weiner and Peter, 1973). In contrast, a behaviour attributed to extrinsic motives is perceived as dishonest and

misleading for the consumer. It suggests that the action would not have been initiated without a reward and therefore appears opportunistic (Condry, 1977; Lepper and Greene, 1978). In the context of CSR communication, an internal attribution should induce more perceived sincerity, because the communication appears to represent an objective unto itself (Ellen et al., 2000). An external attribution instead should induce a perception of self-serving motives (Bendapudi et al., 1996) and therefore weak sincerity.

Finally, previous works reveal the influence of a communication's perceived sincerity on message efficiency in the general case of advertising (MacKenzie and Lutz, 1989; Goldsmith et al., 2000) and the specific context of sponsorship (Barone et al., 2000; Speed and Thompson, 2000). These studies focus on the effects of perceived sincerity at the product brand level. For CSR communication, we consider the corporate brand level and adopt the corporate branding paradigm proposed by Balmer and colleagues (Balmer, 1998; Balmer and Greyser, 2007; Mukherjee and Balmer, 2007). We postulate the influence of perceived motives on corporate brand evaluation as follows:

H3: (a) Perceived intrinsic motives increase corporate brand evaluation, whereas (b) perceived extrinsic motives decrease it.

Figure 1 represents the three hypotheses of our conceptual framework.

Insert Figure 1

Sustainability ratings and corporate brand evaluation

To proceed beyond investigating the attribution route that underlies CSR communication mechanisms, we also examine the effect of sustainability ratings on corporate brand building by CSR communication.

Previous research (Creyer and Ross, 1997; Mohr and Webb, 2005) notes the asymmetric effects of societal information on consumers' evaluations, such that negative information (e.g., crises) causes more damage than does positive information provide benefits. As we mentioned

previously, sustainability ratings can induce framing effects and have a priming effect (Herr, 1989) on subsequent judgments of CSR communication and therefore on corporate brand evaluation. The situation we investigate probably induces an assimilation–contrast effect (Sherif and Hovland, 1961), such that judgments of stimuli depend on the context or internal frame within which they are evaluated, not just the intrinsic stimuli characteristics. Thus, an assessment of a stimulus depends on the perceived discrepancy between the stimulus and the frame. If the discrepancy is weak, an assimilation effect occurs, and the judgment’s distortion will be weak. If the discrepancy is stronger, a contrast effect will cause the final judgment to be more polarized than in the assimilation case or in a control group without priming.

In application to our study scenario, consumers exposed to a good sustainability rating before their exposure to CSR communication should experience assimilation, so their judgment differences, compared with a group unexposed to external information, should be tenuous. However, consumers exposed to a poor rating before they review the CSR communication should experience a contrast effect that degrades their evaluations even further. Therefore, we postulate:

H4: In case of CSR communication, there is an asymmetrical effect of sustainability ratings on corporate brand evaluation: A good rating improves it less (vs. no rating) than does a poor rating damage it (vs. no rating).

METHODOLOGY

Experiment and stimuli

To test the hypotheses, we include three different conditions in a between-subjects experimental design (no rating vs. a poor vs. a good sustainability rating by an independent consumers' association) in the context of CSR communication provided by the company.

Brand and sector. In all conditions, we first present D'ECO, a fictitious retailer in the furniture and home improvement industry, by showing the respondents a corporate Web site home page (see Appendix 1). We choose a fictitious corporate brand, as have many previous studies (Brown and Dacin, 1997; Swaen and Vanhamme, 2005), to avoid any effects of prior brand familiarity (we checked the availability of the brand name and verified respondents were unfamiliar with it: $m = 1.43$ on a seven-point scale). Furthermore, for the choice of the product category, we rejected several industries because of their high societal involvement (e.g., sports products, toys), for which ceiling effects might occur, and others that are intrinsically controversial (e.g., alcohol, tobacco), which might boost consumers' suspicion. In contrast, the furniture and home improvement industry is an experience-driven category, which makes corporate brand evaluation more critical (Erdem and Swait, 1998). Furthermore, in this sector, many corporate brands (e.g., IKEA) employ a simple brand architecture, in which their corporate brand is the same as their commercial and outlet brands. This characteristic helps remove ambiguity about corporate brand evaluation inferred by consumers. To increase task involvement, the experiment indicates that the fictitious company is a real retailer considering a launch in France.

CSR communication: Web site. We test the brand's commercial Web site (specifically, brand presentation Web page) for four main reasons. First, a Web site is the most frequent medium used to engage in CSR corporate communication (Van de Ven, 2008); in the United States, 80% of *Fortune* 500 companies mention their involvement on their Web sites (Bhattacharya and Sen, 2004). Such societal communication generally requires a highly accessible but inexpensive medium to avoid accusations of spending more on communication than on the initiatives themselves (Varadarajan and Menon, 1998; Schlegelmilch and Pollach, 2005). Second, Web sites are a preferred medium to communicate CSR involvement because of the richness of argumentation and opportunities for interactivity they provide (Coupland,

2005). Third, for product categories such as furniture and home improvement, Web sites are widespread; 47% of French consumers look for information on the Internet before buying furniture in an outlet (Netratings French Panel, 2006). Fourth, brand Web sites can target the best brand clients and influence their attitudes and perceptions of the brand's personality (Müller and Chandon, 2004). We therefore anticipate that online CSR communication influences corporate brand evaluation after a single exposure, because corporate image generally is malleable compared with corporate reputation and can be modified rapidly through adequate communication (Gray and Balmer, 1998).

The brand presentation Web page stimulus features four elements: timeline, facts & figures, our vision, and our engagements. In the generic corporate communication condition, general press information replaces the fourth block, "our engagements" (see Appendix 1).

To ensure realism, we use IKEA's engagements (i.e., producing furniture with wood from certified forests) as inspiration for the environmental claims. We focus on the environmental CSR domain because it represents a universal aspect with high international convergence (i.e., several norms already exist, such as the European Ecolabel, ISO14001, or FSC label to support forest preservation). Furthermore, environmental issues represent a top priority worldwide, as evidenced by the 2007 Grenelle environmental summit in France and the awarding of the Nobel Peace Prize to Al Gore for his efforts to promote environmentally friendly behaviours. Finally, consumers perceive the environment as a typical domain of sustainable development.

CSR information: Sustainability ratings. The manipulated factor appears in an article extracted from a daily newspaper, *Le Monde* (equivalent to *The New York Times* in the United States or *The Times* in the United Kingdom). The article describes a successful Canadian nonprofit organization that evaluates firms according to various criteria with regard to their sustainable endeavours (see Appendix 1). At the end of the article, it provides the

ratings of four companies. In the positive condition (good sustainability rating), D'ECO has always obtained a rating above 8 on a ten-point scale, which puts it among the most virtuous companies in its sector. In the negative condition (poor sustainability rating), D'ECO has always obtained a rating below 2 and falls among the worst companies in its sector. We control for the information's credibility in each condition. In the control condition, the article does not appear at all.

Procedure

The data collection relied on a Web survey, and the experiment consisted of three stages. First, the home page introduced the D'ECO Company and the product categories it sells. Second, the newspaper article containing the ratings appeared. Third, respondents read the Web page stimulus. For each of the three pages (see Appendix 1), a zoom tool enables the respondents to read the material easily, and a "next page" button appears. Then, they completed the questionnaire with no possibility of going back to review the Web pages. Only respondents who noticed that D'ECO supported a cause remain in the final data sample.

To access a generalisable sample, we recruited 122 respondents from the online panel of a professional market research institute. Respondents are between 25 and 45 years of age (mean = 34). The sample represents various areas in France and is heterogeneous in terms of gender and socio-economic status. We randomly assigned the subjects to each of the three treatments.

Measures and pre-tests

All constructs use seven-point scales. To assess consumers' social consciousness and perceptions of the company's motives and CSR effort, we develop ad hoc scales. For the other measures, we rely on previously validated scales. Similar to previous research, we assess corporate brand evaluation with a global measure of perceived corporate brand equity (adapted from Yoo and Donthu, 2001). We conduct checks for unidimensionality and

reliability for the multi-items scales and find satisfactory reliability (see Appendix 2). We use mean item scores to measure the constructs; in Table 1, we provide the scales' means and standard deviations for each of the experimental treatments.

Insert Table 1

RESULTS

To determine the respondents' perceptions of the sustainability ratings, we measure D'ECO's perceived reputation in the case of the poor and good sustainability ratings. The manipulation check confirms that the corporate brand's societal reputation is significantly higher in the good sustainability ratings ($m = 5.5$) than in the poor sustainability ratings ($m = 3.5$, $t(175) = 9.16$, $p < .000$) condition. Furthermore, the perceived credibility of the newspaper that mentions its sustainability ratings is 5.8 on a seven-point scale and does not significantly differ across treatments. Additional analyses show that the three samples are homogenous in terms of their environmental consciousness ($\chi^2(2) = 3.0$, $p = .219$).

To test H1, we conducted tests of the equality of means, which reveal that sustainability rankings have a significant influence on intrinsic motives but not extrinsic motives. Specifically, respondents perceive the retailer's communication motives as more internal ($m = 5.6$ vs. 4.2 , $p < .000$) and less external (means of 5.7 vs. 5.7 , ns) when the retailer earns a good rather than a poor sustainability rating. Therefore, we find support for H1a.

To test the mediating effect of the retailer's perceived CSR effort on the relationship between the sustainability rating and the retailer's intrinsic motives to communicate, we use three successive regression models, as suggested by Chumpitaz-Caceres and Vanhamme (2003), and present the results in Table 2.

Insert Table 2

Model A shows that the company's sustainability rating significantly influences the perceived CSR effort, as it appears in the CSR communication. Model B demonstrates that perceived CSR effort has a significant effect on the retailer's intrinsic motives, even when we control for the sustainability rating (Model C). Thus, the retailer's perceived CSR effort has a partial mediating effect on the impact of sustainability ratings on the retailer's perceived intrinsic motives, in support of H2.

To test H3, we apply a new linear regression model (Model D) that considers the effect of the company's intrinsic and extrinsic motives to communicate on corporate brand evaluation. This model is significant, and as we expected and in support of H3a, the results exhibit the significant and positive effect of consumers' perceptions of intrinsic motives on corporate brand evaluation. However, corporate brand evaluation is not influenced by the company's perceived extrinsic motives, so we must reject H3b.

To further investigate H2 and H3 and check for potential problems of collinearity within constructs measures, we use structural equation modelling to test the path from the company's perceived effort to motives (intrinsic and extrinsic) for corporate brand evaluation. The indicators of model fit are all acceptable ($\chi^2(40) = 87.8$, $p = .000$, $\chi^2/\text{ddl} = 2.2$, goodness-of-fit index = .932, confirmatory fit index = .969, normed fit index = .946, root mean squared error of approximation = .074, square root mean residual = .054). The four constructs—perceived effort, intrinsic motives, extrinsic motives, and corporate brand evaluation—achieve good levels of reliability (Jöreskog's $\rho = .873$, .849, .846, and .911, respectively) and convergent validity (average variance extracted = .775, .652, .646, and .776, respectively). The path coefficients are significant; between the company's perceived effort and intrinsic motives, the standardized coefficient is .9 ($p < .000$), and between intrinsic motives and corporate brand evaluation, it is .7 ($p < .000$). However they are not significant between perceived effort and extrinsic motives (.072, $p = .259$) or between extrinsic motives and corporate brand evaluation

(-.048, $p = .590$). Thus, structural equation modelling confirms the preceding results pertaining to H2 and H3.

Finally, we test our last hypothesis with a one-way ANOVA, which we use to consider the influence of sustainability ratings on corporate brand evaluation when the company uses CSR communications. A prior analysis indicates the equality of the error variance across treatments for the dependent variable (Levene(2,119) = 2.4, $p > .10$). The ratings have an impact on corporate brand evaluation ($F(2,121) = 20.0$, $p < .000$), such that it increases in response to a good sustainability rating ($m = 5.5$) compared with the control case of no rating ($m = 5.0$, $t(85) = 2.1$, $p = .035$). Similarly, the corporate brand evaluation is lower when the sustainability rating is poor ($m = 3.8$) compared with the control case. Sustainability rating knowledge thus appears to leverage the corporate brand evaluation when the rating is good, but it reduces it even more when the rating is poor, in support of H4. Figure 2 depicts this asymmetrical effect of sustainability ratings on corporate brand evaluations.

Insert Figure 2

DISCUSSION

Theoretical, managerial, and societal implications

Building on previous works (Fukukawa et al., 2007), this research contributes to a greater understanding of the manner in which consumers, those often forgotten stakeholders, respond to CSR policies in the context of an accessible, consumer goods, corporate brand. We offer several interesting findings regarding how consumers perceive companies' societal communication; in general, we demonstrate the influence of sustainability ratings on perceptions of a company's CSR efforts, which influence their perceptions of the company's motives. As the central variable for evaluations of corporate communications, intrinsic motives have positive effects on corporate brand evaluation. Klein and Dawar (2004) have

offered evidence of the central role of perceived motives in their research about client complaints, and Sjovall and Talk (2004) similarly postulate its effect in the specific case of CSR communication, though no work has tested it empirically before now.

This empirical confirmation of the relevance of the attribution process for explaining consumers' CSR communication evaluations represents an important result: "Real" consumers examine communication messages and wonder about the company's motives. In a sense, this study replicates previous research pertaining to other communication domains that appear similar to CSR communication, such as sponsorship (Rifon et al., 2004) and cause-related marketing (Dean, 2004). As Rifon and colleagues (2004) provide in their analysis of the impact of sponsor and brand congruence on consumers' responses, we validate the mediating role of a company's intrinsic motives on the effect of CSR communication on corporate brand evaluation.

We also confirm the distinction between extrinsic versus intrinsic company motives. Motives do not represent opposite sides of the same construct, which actually ranges from altruistic (intrinsic) to opportunistic (extrinsic) motives, but rather form two different dimensions (Pearson $\rho = -.046$, ns). We thus shed additional light on the different roles these two dimensions play for CSR communication's persuasiveness, in that the only dimension that affects corporate brand evaluation is perceived intrinsic motives. To enhance their corporate brand evaluations, consumers must perceive intrinsic motives for CSR communication. Yet consumers clearly (mean 5.7 out of 7) and homogeneously (std. dev. = 1.0 versus 1.3 for internal motivations) perceive extrinsic motives by companies, though these motives appear well-accepted by French consumers, who understand the economic motives that often underlie sustainable development efforts. They do not necessarily reduce corporate brand evaluation—a positive finding from a managerial point of view.

Beyond generalizing the application of attribution theory to a new domain, we investigate a new antecedent of the attribution process, namely, sustainability ratings. The experiment reveals their dual effects on intrinsic motives. Specifically, ratings have a direct effect on perceptions of intrinsic motives, because they act as a signal of the non-distinctiveness and consistency of the engagement communicated with the company's other behaviours. Moreover, this effect is partially mediated by the company's perceived CSR effort, which indicates a framing effect of sustainability ratings that may bias perceptions of the company's CSR efforts. Perceived CSR effort also seems to offer a key variable for explaining CSR communication efficiency; despite its appearance in a few investigations (Ellen et al., 2000), it clearly deserves more attention to delineate all the factors that influence its evaluation. Sustainability ratings influence intrinsic motives, which is an interesting result in the context of company communications. Companies that display intrinsic motivations earn greater rewards for their efforts, in that their communication more efficiently enhances their corporate brand evaluation. Highlighting their CSR efforts using objective arguments therefore provides a good method for them.

In addition to the findings regarding the attribution process, we offer a fruitful examination of the direct effects of the combination of sustainability ratings and CSR communication on corporate brand evaluation. This study confirms Balmer and colleagues' (2007) intuition that external sources (i.e., uncontrolled information) play important roles in ethical corporate communication. By validating the asymmetrical impact of good and poor ratings, we demonstrate that in the case of CSR communication, a good rating has limited impact on corporate brand evaluations relative to the absence of information, whereas a poor rating really damages corporate brand evaluation. On the one hand, we might thus lament that virtuous companies do not benefit more from their past behaviours compared with "neutral" firms, likely because consumers establish a general climate of confidence in companies, as

long as they have not been tainted by scandals or crisis. However, it might be interesting to examine this finding among a population of highly sceptical consumers, because the initial finding reveals only an average opinion. Moreover, we might theorise that consumers' confidence decreases as more denunciations identify abuses and as they learn more about ecological issues. On the other hand, corporate brand evaluation declines with poor ratings, which appear to inform perceptions of CSR communication. Therefore, in response to the profusion of CSR claims, independent information about companies' sustainability performance helps consumers decrypt CSR communication more accurately.

From a broader societal perspective, sustainability ratings play a significant role in helping consumers make more responsible evaluations, which may have great value, especially when consumers appear weakly sceptical. Such sources of information can penalize non-virtuous companies through classical market mechanisms, sensitise consumers further, and encourage virtuous firms to persevere in their CSR practices. Sustainability ratings thus can resolve the prisoner's dilemma evoked in the introduction. Yet a question still arises: Should governments ensure the availability and seriousness of such sources? The task would not be easy, considering the complexity of analysing the global environment impact of every company's activities, but a potential approach could compel firms to publish a certified report, similar to requirements in the accounting domain.

Limitations and directions for further research

Despite its contributions, this research is not without limitations. First, we rely on fictitious, and therefore less realistic, stimuli. Although a fictitious company enables us to focus on the effects of societal information rather than any pre-existing knowledge respondents might possess about a real company, further research should investigate more realistic stimuli. Second, it would be interesting to replicate our results in other cultural contexts, because CSR consciousness seems to vary across them. Third, the furniture and home improvement product

category generally displays an intermediate level of CSR communication intensity (cf. grocery retailers) and an intermediate level of perceived risk regarding CSR issues (cf. oil companies). We suspect the attribution process may be less significant in sectors in which CSR communication is a prerequisite, because consumers probably treat the information more superficially, but more significant in controversial sectors, which boost consumers' suspicions. Fourth, our experiment only manipulates support for an environmental cause (i.e., forest preservation). Extending the research to other causes, other forms of involvement (e.g., waste and energy reduction, product life cycle optimisation), or other media (e.g., traditional advertising, packaging) would be interesting directions for further research.

In addition to these experimental replications, investigating signals other than sustainability ratings and their effects on a company's perceived intrinsic motives could deepen our understanding of attribution processes. If the diffusion of sustainability ratings is not within the company's control, perhaps more controllable signals, such as the nature and amount of involvement, the communication medium, the message, or the means of communicating, offer areas for further study.

From a general perspective, this study represents part of a growing body of research that considers the societal implications, as well as the managerial implications, of marketing activities, supporting Lazer's (1969, p.3) early intuition that

“Marketing is not an end in itself. It is not the exclusive province of business management. Marketing must serve not only business but also the goals of society. It must act in concert with broad public interest. For marketing does not end with the buy-sell transaction—its responsibilities extend well beyond making profits.”

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Table 1: Descriptive statistics per treatment

		CSR perceived effort	Intrinsic motives	Extrinsic motives	Corporate brand evaluation
Good rating (N=42)	Mean	5.7	5.6	5.7	5.5
	Std dev.	1.0	0.8	1.0	1.0
No rating (N=45)	Mean	5.7	5.4	5.6	5.0
	Std dev.	1.2	1.2	1.1	1.4
Poor rating (N=35)	Mean	4.6	4.2	5.7	3.8
	Std dev.	1.3	1.4	0.9	1.1

Table 2: Regression results

Model	Dependent Variable (Y)	Independent Variables (X _i)	Adj R ²	Sd β	t
A	Perceived effort	(intercept)	0.095	0.321***	14.7
		Rating			3.7
B	Intrinsic motives	(intercept)	0.506	0.714***	3.4
		Perceived effort			11.2
C	Intrinsic motives	(intercept)	0.533	0.185**	2.6
		Rating			2.8
		Perceived effort			9.9
D	Corporate brand evaluation	(intercept)	0.313	-0.053	3.1
		Intrinsic motives			7.5
		Extrinsic motives			-0.7

*** $p < .001$, ** $p < .01$, * $p < .05$.

Figure 1: Conceptual framework

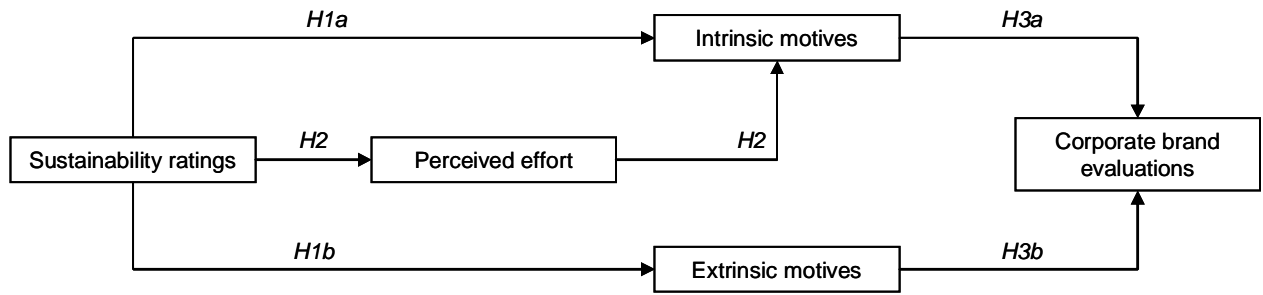
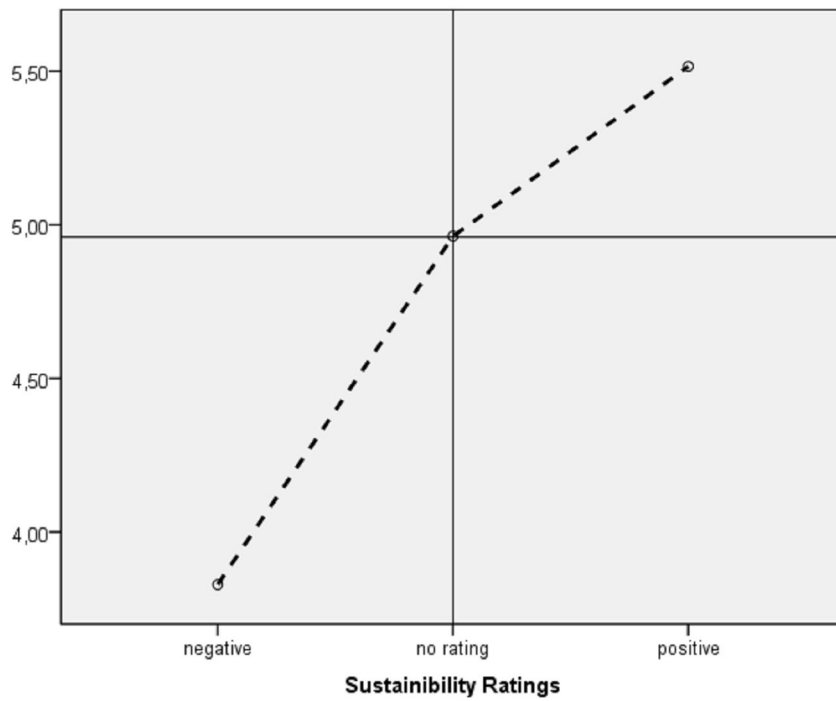
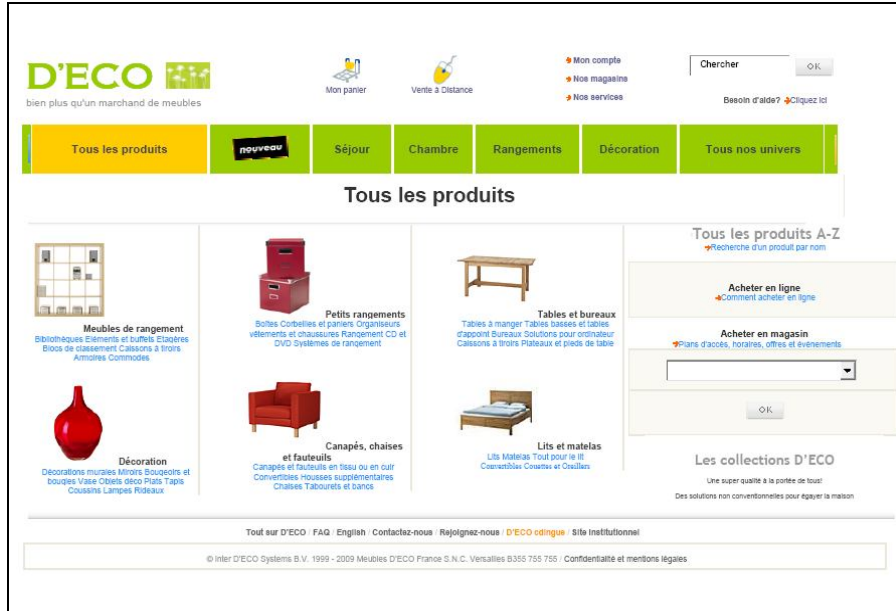


Figure 2: Asymmetrical effect of sustainability ratings on corporate brand evaluation



Appendix 1: Experimental stimuli

D'ECO commercial Web site homepage



Article mentioning sustainability ratings



“All about D’ECO” Web page



Appendix 2: Scales

Variable	Instrument	Reliability (Cronbach's α)
Consumers' environmental consciousness	<ul style="list-style-type: none"> • <i>I try not to buy from companies that strongly pollute.</i> • <i>When possible, I systematically choose the product that has the lowest negative impact on the environment.</i> • <i>When I have the choice between two equivalent products, I always wonder which one pollutes less before buying.</i> 	0.92
Retailer's perceived intrinsic motives (<i>ad hoc</i> scale)	<p><i>In your opinion, why does D'ECO communicate about its ecological engagement?</i></p> <ul style="list-style-type: none"> • <i>Primarily because D'ECO is really conscious of the importance of ecological issues.</i> • <i>Primarily to put forward a genuine consciousness regarding ecological problems.</i> • <i>Primarily to make consumers aware of ecological issues.</i> 	0.89
Retailer's perceived extrinsic motives (<i>ad hoc</i> scale)	<p><i>In your opinion, why does D'ECO communicate about its ecological engagement?</i></p> <ul style="list-style-type: none"> • <i>Primarily because D'ECO wants to improve its image among consumers.</i> • <i>Primarily because it is fashionable to do so nowadays.</i> • <i>Primarily to be likeable to consumers.</i> 	0.81
Perceived corporate brand equity	<p>Four items adapted from Yoo and Donthu (2001)</p> <ul style="list-style-type: none"> • <i>Even if another brand has the same features as D'ECO, I would prefer to buy D'ECO</i> • <i>If there is another brand which products are as good as D'ECO, I would prefer to buy D'ECO</i> • <i>If the products of another brand were not different from those of D'ECO in any way, it would be smarter to purchase D'ECO</i> 	0.92
Retailer's perceived CSR effort (<i>ad hoc</i> scale)	<ul style="list-style-type: none"> • <i>D'ECO's effort for the environment is important.</i> • <i>D'ECO dedicates a great amount of resources to its ecological commitment.</i> 	0.88
CSR reputation (Manipulation check)	<p>One semantic differential item:</p> <ul style="list-style-type: none"> • <i>D'ECO is totally irresponsible (responsible) toward the environment.</i> 	-
Newspaper's credibility (Manipulation check)	<p>One semantic differential item:</p> <ul style="list-style-type: none"> • <i>According to you, this information is totally credible (not credible at all)</i> 	-