



Company environmental performance – ‘those who shout loudest’... don’t always perform. Neil Woodcock, Richard Davis and Merlin Stone

Summary

Recent years have seen a strong government policy focus on ensuring that companies disclose their environmental performance, especially their carbon emissions, but also in other areas e.g. other emissions, recycling. However, research shows **that company environmental disclosure is largely unrelated to environmental performance**, and at worst may be **inversely correlated**. In other words, companies may be – consciously or unconsciously – greenwashing. This inverse correlation seems worst in the most polluting industries. The EU’s recent decision to impose carbon border taxation may lead to a stronger effort by companies to control their contribution to the carbon problem. Many companies’ business models take little or no account of environmental performance. Until companies understand and manage the complex relationship between their environmental *performance* on the one hand and environmental *strategy, governance, reporting, accountability and culture* on the other, the focus on *environmental disclosure* will continue to mislead the world.

Introduction

Governments have encouraged and in some cases required companies to disclose their environmental performance. However, recently, university research has confirmed that, with some exceptions, the relationship between disclosure and environmental performance is either weak, absent or inverse. This is despite the fact that in some industries there are acknowledged measures of environmental performance, especially in the most polluting industries. Encouragingly, the research also confirms that in some cases disclosure and performance are positively related, although it also identifies that this relationship is not secure i.e. the reasons why it is positive when it is positive are not always clear.

The reasons for avoiding reliance on disclosure

Disclosure is just one element of a company’s approach to environmental matters. Equally if not more important are:

- **Culture:** It is hard to find a company that does not refer to its concern about the environment and society in their company annual report. However, a company may have no environmental culture, in the sense that ‘care for the environment’ is not “in its DNA” – and competing objectives, values and behaviours are greater driving forces for the business and its various stakeholders, such as shareholders (who may be more interested in profit) or employees (who may be more interested in security of employment or compensation).
- **Accountability:** Even if senior management cares strongly about the environment and has the right strategy and plan, there may be no collective and individual accountability for delivery. Employees and contractors may not be rewarded for environmental performance and may even be penalised if, in order to follow environmental policies, they perform less strongly in areas that are considered higher priority.
- **Governance:** The company may have no formal mechanism (e.g. a board committee, an independent verifier, CXO environmental offices and targets for other CXOs) for managing environmental performance. If it has a mechanism, it may not deliver improved environmental performance, just disclosure. Even if these are all in place, the company may not be able to measure environmental performance so it can be governed in practice. Of course, in some countries, such a formal mechanism is becoming a legal requirement (e.g. TCFD in the UK).
- **Environmental business model:** Sustainable business models go beyond delivering economic value and include consideration of other forms of value for a broader range of stakeholders and the policies of a company’s suppliers and customers (whether the latter are business customers, distributors or consumers). A business model designed to improve environmental performance of the company and its supply chain may be lacking.

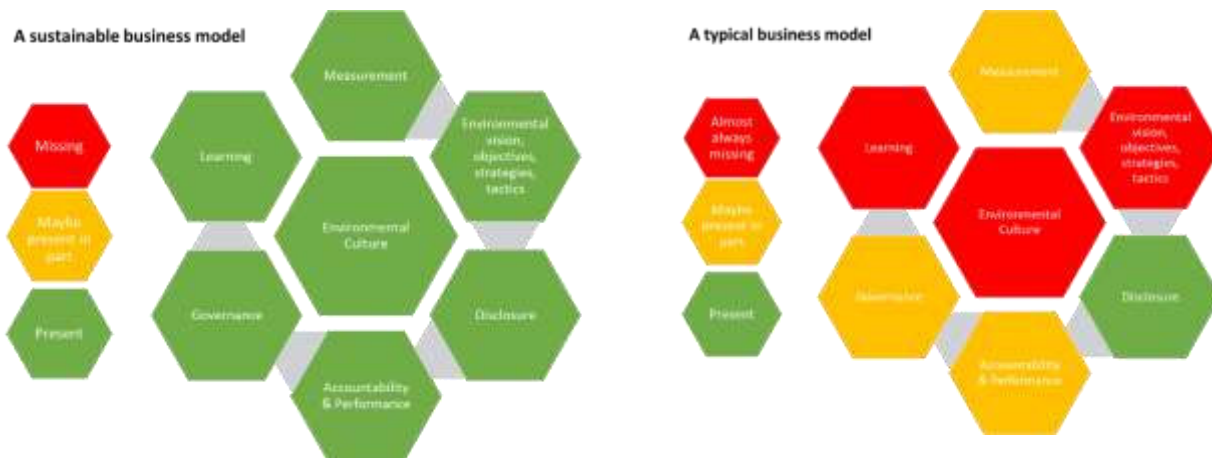


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- **Environmental strategy and transformation:** Even if the culture, accountability, governance and business model are in place, the company may not have strategies, objectives and tactics that translate these elements into practical outcomes. If it has, these strategies may or may not be producing results, perhaps because they are focused on peripheral issues and not on their major, harder to fix emissions. Achieving environmental transformation, as opposed to other forms of transformation, is very difficult, with self-confessed failure to achieve goals (where failure is defined as less than 50% of the goals achieved) more than double the normal transformation failure rate.

The desired relationship between key concepts

This is illustrated in the following diagrams.



All model components above are likely to be present in an organisation that wants to make a difference and not just 'report and disclose'. A more typical model just focuses on disclosure, with minimal measurement (e.g. omitting carbon emissions and waste incurred in the supply chain – so called 'scope 3'), accountability and governance.

Implications

The implications of the above are that **disclosure** of environmental activities and performance is at best a first step in changing a company's approach, but in some cases it is the opposite – greenwashing. Research shows that this is very likely where CEO rhetoric, often evidenced by CEO letters in annual reports, features environmental performance strongly. Here, the rhetoric may just be an attempt to impress stakeholders and reduce the cost of equity financing. In analysing the environmental performance of companies, it is critical for the companies themselves, investors and governments to have a basis for a comprehensive and accurate measurement of **actual environmental performance** that meets the highest standards of corporate reporting, not just basic government requirements. This same basis should be extended by large companies to their suppliers and business customers, as there is clear evidence that environmental performance may depend on cooperation between companies.

The benefits of improved measurement and outcomes

These include:

- Clarity for senior management as to what actual performance is so they can manage improvements in it
- Clarity for external investors, in terms of guiding their discussions and relationship with the company
- Tax and penalty avoidance through better compliance with government regulations
- Using the PR associated with real performance improvements, to build brand reputation and attract consumers
- Greater ability to attract and retain talent, especially millennial talent
- A stronger basis for design of incentives, training, recruitment and other human resource aspect.

Conclusion

Our view is that the main requirements for true environmental performance improvement is a clear, accurate and open line of sight into that performance. By this we mean two-way *verifiability*; from data sources to measurement and from initiatives to the outcomes they achieve.

Select recent bibliography

- Adinehzadeh, R., Jaffar, R., Shukor, Z.A. and Abdul Rahman, M.R.C., 2018. The Mediating Role Of Environmental Performance On The Relationship Between Corporate Governance Mechanisms And Environmental Disclosure. *Asian Academy of Management Journal of Accounting & Finance*, 14(1).
- Anatami, D.N., 2019. The Determinants Of Corporate Social Responsibility Disclosure With Environmental Performance As Moderating Variables. 19(5) 131-141
- Apriyani, I.D., Yanto, H., Hajawiyah, A. And Djajadikerta, H.G., 2020. Determinants of Environmental Disclosure in Indonesia. *Journal of Environmental Management and Tourism*, 11(3), .682-691.
- Beunen, R. and Patterson, J.J., 2019. Analysing institutional change in environmental governance: Exploring the concept of 'institutional work'. *Journal of Environmental Planning and Management*, 62(1), 12-29.
- Bocken, N., Short, S., Rana, P. and Evans, S., 2013. A value mapping tool for sustainable business modelling. *Corporate Governance*, 13(5), 482-497
- Bocken, N.M., Short, S.W., Rana, P. and Evans, S., 2014. A literature and practice review to develop sustainable business model archetypes. *Journal of Cleaner Production*, 65, 42-56.
- Chen, C.S., Yu, C.C. and Hu, J.S., 2018. Constructing performance measurement indicators to suggested corporate environmental responsibility framework. *Technological Forecasting and Social Change*, 135@, 33-43.
- Davis-Peccoud, J., van den Branden, J.C., Brahm, C., Mattios, G., and de Montgolfier, J., 2020. Sustainability Is the Next Digital. Available at <https://www.bain.com/insights/sustainability-is-the-next-digital/>. Bain and Co. Accessed 2/8/21
- Dintimala, Y. and Amril, T.A., 2018. The effect of ownership structure, financial and environmental performances on environmental disclosure. *Accounting Analysis Journal*, 7(1), pp.70-77.
- Dragomir, V.D., 2018. How do we measure corporate environmental performance? A critical review. *Journal of Cleaner Production*, 196, 1124-1157.
- Elsayih, J., Tang, Q. and Lan, Y.C., 2018. Corporate governance and carbon transparency: Australian experience. *Accounting Research Journal*. 31(3), 405-422.
- Geissdoerfer, M., Vladimirova, D. and Evans, S., 2018. Sustainable business model innovation: A review. *Journal of Cleaner Production*, 198, 401-416.
- Giannarakis, G., Zafeiriou, E. and Sariannidis, N., 2017. The impact of carbon performance on climate change disclosure. *Business Strategy and the Environment*, 26(8), 1078-1094.
- Gupta, A., Boas, I. and Oosterveer, P., 2020. Transparency in global sustainability governance: to what effect? 22(1), 84-97
- Haque, F. and Ntim, C.G., 2020. Executive compensation, sustainable compensation policy, carbon performance and market value. *British Journal of Management*, 31(3), 525-546.
- Haque, F., 2017. The effects of board characteristics and sustainable compensation policy on carbon performance of UK firms. *The British Accounting Review*, 49(3), pp.347-364.
- Hoffman, A.J., 2018. The next phase of business sustainability. *Stanford Social Innovation Review*, 16(2), 34-39.
- Ingold, K., Driessen, P.P., Runhaar, H.A. and Widmer, A., 2019. On the necessity of connectivity: linking key characteristics of environmental problems with governance modes. *Journal of environmental planning and management*, 62(11), 1821-1844.
- Jaffar, R., RaziAziendeh, R., Shukor, Z.A. and Rahman, M.R.C.A., 2018. Environmental Performance: Does Corporate Governance Matter?. *Jurnal Pengurusan (UKM Journal of Management)*, 52(11)
- Jørgensen, S. and Pedersen, L.J.T., 2018. *RESTART sustainable business model innovation*. Springer Nature.
- Kilincarslan, E., Elmagrhi, M.H. and Li, Z., 2020. Impact of governance structures on environmental disclosures in the Middle East and Africa. *Corporate Governance: The International Journal of Business in Society*. 20(4), 739-763
- Kiriu, T. and Nozaki, M., 2020. A Text Mining Model to Evaluate Firms' ESG Activities: An Application for Japanese Firms. *Asia-Pacific Financial Markets*, 27(4), 621-632.



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Kurniawan, R., 2017. Effect of environmental performance on environmental disclosures of manufacturing, mining and plantation companies listed in Indonesia stock exchange. *Arthatama*, 1(1), pp.6-17.

Latan, H., Jabbour, C.J.C., de Sousa Jabbour, A.B.L., Renwick, D.W.S., Wamba, S.F. and Shahbaz, M., 2018. 'Too-much-of-a-good-thing'? The role of advanced eco-learning and contingency factors on the relationship between corporate environmental and financial performance. *Journal of environmental management*, 220(10), 163-172.

Lu, L.W. and Taylor, M.E., 2018. A study of the relationships among environmental performance, environmental disclosure, and financial performance. *Asian Review of Accounting*. 26(1), 107-130

Maama, H. and Mkhize, M., 2020. Integration of non-financial information into corporate reporting: a theoretical perspective. *Academy of Accounting and Financial Studies Journal*, 24(2), 1-15.

Manes-Rossi, F., Tiron-Tudor, A., Nicolò, G. and Zanellato, G., 2018. Ensuring more sustainable reporting in Europe using non-financial disclosure—De facto and de jure evidence. *Sustainability*, 10(4), 1162.

Morioka, S.N., Evans, S. and De Carvalho, M.M., 2016. Sustainable business model innovation: exploring evidences in sustainability reporting. 13th Global Conference on Sustainable Manufacturing - Decoupling Growth from Resource Use. Ho Chi Minh City/Binh Duong, Vietnam. *Procedia Cirp*, 40, 659-667.

Nakao, Y., Kokubu, K. and Nishitani, K., 2019. Do Sustainability Reports Strategically Employ Rhetorical Tone?: An evidence from Japan, Discussion Paper 2019-01, Kobe University

Nosratabadi, S., Mosavi, A., Shamshirband, S., Kazimieras Zavadskas, E., Rakotonirainy, A. and Chau, K.W., 2019. Sustainable business models: A review. *Sustainability*, 11(6), 1663.

Pendley, J.A., 2017. Measuring Environmental Performance for Oil and Gas Development. Working Paper, Susquehanna University

Poddar, A. and Narula, S.A., 2018. Sustainability reporting practices in India: A study of selected conglomerates. *Strategic Change*, 27(6), 543-557.

Prodanova, N.A., Savina, N.V., Kevorkova, Z., Korshunova, L.N. and Bochkareva, N., 2019. Organizational and methodological support of corporate self-assessment procedure as a basis for sustainable business development. *Entrepreneurship and Sustainability Issues*, 7(2), 1136-1148

Rossi, A. and Tarquinio, L., 2017. An analysis of sustainability report assurance statements: Evidence from Italian listed companies. *Managerial Auditing Journal*. 32(6), 578-602

Sani, N.F.A., Muda, R., Arshad, R. and Nair, R., 2020. The influence of environmental, social, governance factors and firm performance on the sustainable reporting of Malaysian companies. *International Journal of Economics and Business Research*, 20(4), 407-424.

Schoon, M. and Cox, M.E., 2018. Collaboration, adaptation, and scaling: perspectives on environmental governance for sustainability. *Sustainability*, 10(3), 679

Shahgholian, A., 2019. Unpacking the relationship between environmental profile and financial profile; literature review toward methodological best practice. *Journal of Cleaner Production*, 233, pp.181-196.

Shahgholian, A., 2017. The effect of board roles on firm environmental governance. In *2017 Academy of Management Meeting*.

Stolowy, H. and Paugam, L., 2018. The expansion of non-financial reporting: an exploratory study. *Accounting and Business Research*, 48(5), 525-548.

Su, L. and Zhang, H., 2019, December. Environmental Information Disclosure Quality and Equity Financing Cost. In *2019 International Conference on Economic Management and Cultural Industry (ICEMCI 2019)* (116-121). Atlantis Press.

Van Assche, K., Beunen, R., Gruezmacher, M. and Duineveld, M., 2020. Rethinking strategy in environmental governance. *Journal of Environmental Policy & Planning*, 22(5), 695-708.

Zachary, M.A., Connelly, B.L., Payne, G.T. and Tribble, L.L., 2021. Virtue Rhetoric in Investor Communications: Setting Up for a Letdown?. *Journal of Management*, p.01492063211002622.

Zhang, S., Wang, Z. and Zhao, X., 2019. Effects of proactive environmental strategy on environmental performance: Mediation and moderation analyses. *Journal of Cleaner Production*, 235, 1438-1449.

