

The rebound effect through industrial ecology's eyes : the case of transport eco-innovation

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Citation

Font Vivanco, D. (2016, March 3). The rebound effect through industrial ecology's eyes: the case of transport eco-innovation. Retrieved from https://hdl.handle.net/1887/38352

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innovation

Issue Date: 2016-03-03

Acknowledgements

At the risk of falling into clichés, this thesis would have not been possible without the help of many people which have provided me with inestimable advice both at the scientific and the personal level. There is simply not enough room to properly mention everyone, but every single one of you is present in my heart and memory.

I would like to start by acknowledging the role of my supervisors, Ester van der Voet and René Kemp, which trusted me with the responsibility to lead my project work and my doctorate studies to a safe harbor. Making sense and articulating the contributions of each proved to be sometimes challenging considering your different disciplinary backgrounds, but above all it resulted in a greatly valuable and enriching experience at all levels. I would also like to thank my promotor, Arnold Tukker, for his insightful advice and for going to great lengths to ensure that bureaucracy never got in the way. Within the CML, I have had the pleasure to count on the expertise and support of many wise people in the form of scientific collaborations or informal conversations. Special thanks to Reinout Heijungs, Jeroen Guineé, Gjalt Huppes, Arjan de Koning, Ruben Huele, Lauran van Oers, Bernhard Steubing, René Kleijn and João Dias. I would also like to acknowledge the extraordinary work of the unsung heroes that keep the CML afloat. Thanks to Jory, José, Suus and Esther for always being there to help me solve any imaginable problem. Outside the CML, but still within the confines of Science, I would like to thank the fruitful interaction with Jaume Freire, Lisette van Hulst as well as Will McDowall, Paul Ekins, Jeroen Brower, Olga Ivanova, Adriaan van Zon and many others from the EMInInn project.

My time at the CML has also rewarded me with countless personal moments and experiences with a bunch of people I have systematically harassed yet still have the fortune to call friends. Thanks Pat for your deep philosophical questions that distracted me away from a dull life of scientific excellence. Thanks Coen for appreciating my unjustly often unappreciated sense of humor. Thanks Laura for you relentless questioning of the scientific integrity of literally everything. Thanks Jeroen for opening my eyes to the ridiculousness of this planet and its inhabitants. Thanks also to Sebastiaan, Stefano, Benjamin, Rianne, Cinthia, Atiyo, François, Giuseppe, Valentina, Guangchao, Giulia, Chris, Jiali, Annick, Luis, Nico, Cilia, Anne, Henrik, Yinlong, Oskar, Marinda, Liangcheng, Insyah, Georgios, Johanna, Yujia, Subodh, Krijn and many others I have shared my time with both inside and outside the CML. Last but not least, my experience at the CML has also given me the opportunity to meet my beloved "little duckling" Angelica, which has made the writing of this thesis much more pleasant with her undeserved support and charming presence.

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Outside the walls of the CML I have had the opportunity to neglect the merciless Dutch weather and feel the warm sun and salty breeze of Catalonia thanks to my expat friends, with a especial mention to Jesús, Tània, Martina and Anna. Thank you and the others for making me feel at home, whether by supporting our Barca at the pub or by importing to this land our special (and often frowned upon) traditional events: calcotades, castanyades, etc. Despite the occasional rain and cold, my time in the Netherlands has been nothing but enjoyable, largely thanks to the friends from all over the world that I have encountered and had the pleasure to spent time with. My heart (and stomach) will always have memories from this land as well as Colombia, Italy, Sweden, Germany and many other nations. A special mention to the "Colombian parche" members Carmen, Bas, Carina, Nic, Jorgito, Olga, Pili and Paul. My (too occasional) trips to Catalonia have also allowed me to reconnect with old friends and family, which welcomed with open arms first large amounts of cheese and stroopwafels and then me. My brief time there has been wholly pleasant thanks to the company of the "waste managers" Marta(s), Juanse, Alba, Javi and Cristina, the "industrial ecologists" Esther, Natalia, Elisabet, Violeta, Zora, Paco and Victor, the "Ents" Ignasi, Maries, Marta, Miguel, Jofre and Mar, family members (Juani, Josep, Jose Antonio, Maria Helena, Antonio, Cesitar, César and Clemencia) and many, many others.

I am also extremely grateful to my family for their unconditional support and guidance during my entire lifetime. Without them I would not be here today writing these words. Many thanks to my father Miquel and to my mother Ana for allowing me to pursue my ambitions at any cost. I hope my achievements thus far and future prospects can somehow make up for the myriad of mischiefs and awkward situations I have put you through. I would also like to thank my brother Sergi, to whom I have always looked up to. Special thanks to my sister-in-law Isa and my bright, curious and energetic niece Nora, to whom I hope these words inspire to put such unique skills into a life of intellectual advancement.

I would like to conclude my acknowledgements by recognizing those who have sacrificed their time, liberties and their lives to advance the cause of democracy and freedom. The advancement of Science and the construction of knowledge is both unattainable and futile without the recognition and enforcement of basic human rights that safeguards a dignified and worthy life. This thesis humbly honors those who have fought and continue to fight for such rights.

Curriculum Vitae

David Font Vivanco was born on the 15th of October 1985 in Barcelona, Catalonia, He obtained in 2003 his high school diploma from the Institut Barcelona-Congrés in Barcelona. In 2008 he graduated in environmental sciences from the Autonomous University of Barcelona (UAB), specializing in environmental management. His bachelor thesis focused on the identification and impact of epistemic communities in the context of climate change policies in Spain. Shortly after graduating he started an internship of six months as an environmental technician in an industrial plant from Honeywell's automotive division, also in Barcelona. During 2009 he worked for 3 months as an officer in the Catalan Waste Agency, in the area of industrial waste management. He later joined ENT environment and management to work as an environmental consultant, carrying consulting and research activities in the areas of waste management and environmental economics, where he worked until 2012. While developing his professional career, he obtained a Master of Science (MSc) in renewable energies engineering and management from the University of Barcelona (UB) in 2009 and a MSc in industrial ecology from the UAB in 2012. During the latter he completed a research thesis on developing waste management indicators using spatial material flow analysis, which was later awarded with the Environmental Sciences Research Prize by the Environmental Scientists Association of Catalonia (COAMB) and the Catalan Environmental Sciences Association (ACCA). In March 2012 he completed his career shift towards research and started his PhD studies at the Industrial Ecology Department at CML – Institute of Environmental Sciences of the University of Leiden, where the thesis presented before you was conceived and developed. Aside from research activities, he had the opportunity to participate in various scientific conferences and workshops abroad as well as be involved in education through different roles such as lecturer, supervisor and coordinator. The research that culminated in this thesis was framed within the Environmental Macro-Indicators of Innovation (EMInInn) project, an EU FP7 project involving multiple European universities and research centres aimed at assessing the environmental impacts associated with innovation. One of the articles included in this thesis was awarded with the CML-Publication Prize for the best scientific publication of 2014, while another was awarded with the 2014 Graedel Prize for the best paper published by a junior author in the Journal of Industrial Ecology.

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Publications

Submitted

- Font Vivanco, D., McDowall, M., Freire-González, J., Kemp, R. & van der Voet, E. The foundations of the environmental rebound effect and its contribution towards a general framework. Submitted for publication to Ecological Economics.
- Font Vivanco, D., Kemp, R. & van der Voet, E. How to deal with the rebound effect? A policy-oriented approach. Submitted for publication to Energy Policy.
- Font Vivanco, D., Tukker, A. & Kemp, R. Do methodological choices in environmental modelling bias rebound effects? A case study on electric cars. Submitted for publication to Environmental Science & Technology.

Published

- Font Vivanco, D., Kemp, R. & van der Voet, E., 2015. The relativity of eco-innovation: environmental rebound effects from past transport innovations in Europe. Journal of Cleaner Production 101(0): 71-85. [doi: 10.1016/j.jclepro.2015.04.019]
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- Font Vivanco, D., Kemp, R. & van der Voet, E., 2015. The relativity of eco-innovation: environmental rebound effects from past transport innovations in Europe. 8th International Conference of the International Society for Industrial Ecology. University of Surrey, Guildford (United Kingdom).
- Font Vivanco, D., Kemp, R. & van der Voet, E. How to deal with the rebound effect? A policy-oriented approach. 8th International Conference of the International Society for Industrial Ecology. University of Surrey, Guildford (United Kingdom).

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Font Vivanco, D, Freire-Gonzalez, J., Kemp, R. & van der Voet, E., 2014. The relativity of eco-innovation. The income rebound effect from new (electric) vehicle propulsion technologies. 20th International Sustainable Development Research Conference (ISDRC), NTNU – Trondheim University, Trondheim (Norway).

- Font Vivanco, D. & van der Voet, E., 2014. The rebound effect through industrial ecology's eyes. A review of LCA-based studies and proposal of a common framework. 20th International Sustainable Development Research Conference (ISDRC), NTNU Trondheim University, Trondheim (Norway).
- Font Vivanco, D., Kemp, R., van der Voet, E. & Heijungs, R., 2014. Using LCA-based decomposition analysis for the multi-dimensional environmental assessment of innovation. 7th International Conference of the International Society for Industrial Ecology, University of Ulsan, Ulsan (South Korea).

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