

## Research dr. Jaap M. Vleugel

### *Selected papers*

- Bal, F., Vleugel, Jaap M., Towards Climate Resilient Freight Transport in Europe, *International Journal of Transport Development and Integration*, Vol. 7, No. 2, June, 2023, pp. 147-152, 10.18280/ijtdi.070210.
- Chetouani, I., van Duin, R., Vleugel, J. M., van Son, C. B. H., Arends, H. H. & Geerlings, H. [Hubs for Freight and Passengers? Exploring the suitability of adding logistics functions to mobility hubs](#), 7 Jan 2023, *Online Proceedings of the 102nd Annual Meeting of Transportation Research Board*. Washington: Transportation Research Board (TRB), p. 1-15 15 p. (Paper based on Msc thesis)
- Vleugel, J. & Bal, F., 2022, Climate change and resilient rail freight transport, *WIT Transactions on Ecology and the Environment*, Vol 258, [WIT Press](#), 2022, ISSN 1746-448X. DOI:10.2495/SDP220071.
- Buirma, M., Vleugel, J., Pruyn, J., Doedée, V., Schott, D., [Ship-Based Carbon Capture and Storage: A Supply Chain Feasibility Study](#), *Energies*, Vol. 15 (2022), 813-824, DOI: 10.3390/en15030813. (Paper based on Msc thesis)
- Bal, F. & Vleugel, J., [Inland rail freight services with less fuel and lower emissions](#), *International Journal of Energy Production and Management*, Vol. 6, No. 2 (2021), 170-180. ISSN: 2056-3280, DOI: 10.2495/EQ-V6-N2-170-180, Southampton: WIT Press.
- Bal., F. & Vleugel, J.M., [Towards more environmentally sustainable intercontinental freight transport](#), in: *International Journal of Transport, Development and Integration*, Vol. 4, No. 2 (2020), 129-141. ISSN: 2058-8313, DOI: 10.2495/TDI-V4-N2-129-141, Southampton: WIT Press.
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- Bal, F & Vleugel J.M., [Heavy-duty trucks and new engine technology: impact on fuel consumption, emissions and trip cost](#), in: *Int. J. of Energy Production and Management*, Vol. 3, No. 3 (2018) 167-178. doi: 10.2495/EQ-V3-N3-167-178.

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- Vleugel, J., Gent, H. van, Nijkamp, P., The Netherlands, in: Button, K. (ed.), [Transport and the environment](#), Six case studies, Routledge, London, 1990.