



# César Ducruet

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## Axe de recherche

Transitions, Environnement, Énergie, Institutions, Territoires

## Thème(s)

Intégration territoriale; Relations multiscalaires; Mondialisation; Indicateur socio-économique

HAL: [Lien](#)



## Publications

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HAL: [Lien](#)

2026 - Bárbara Polo-Martín, Daniel Castillo-Hidalgo, César Ducruet. Transport Connectivity and Urban Development: The Case of Africa (1880–2020). *Geographical Analysis*, 2026, 58 (1), (10.1111/gean.70028). (halshs-05452369)  
<https://shs.hal.science/halshs-05452369v1>

2026 - Charbel Alkhoury, César Ducruet, Magali Dumontet, Mariantonia Lo Prete, Barbara Polo Martin, et al.. Maritime traffic specialization and environmental health impacts in European port cities. 2026. (hal-05532836)  
<https://hal.science/hal-05532836v1>

2026 - César Ducruet, Mariantonia Lo Prete. Fostering energy transition and transport fluidity in European port cities. 2026. (hal-05497064)  
<https://hal.science/hal-05497064v1>

2025 - Marc-Antoine Faure, César Ducruet. Cluster detection in maritime networks. Beatrice Moretti. *Landscapes of the Cluster: A Spatial Approach to Ports*, Jovis Verlag, pp.232-238, 2025, 978-3986121792. (halshs-05452379)  
<https://shs.hal.science/halshs-05452379v1>

2025 - Marc-Antoine Faure, César Ducruet. The Blue Connection. A Systematic and Critical Review of Shipping Network Research. *Networks and Spatial Economics*, 2025, (10.1007/s11067-025-09705-y). (hal-05286865)  
<https://hal.science/hal-05286865v1>

2025 - Han Su, Liehui Wang, Sheng Zhang, Debin Du, César Ducruet. From fragmentation to integration: Evolving community structure of the Asia-Pacific shipping network since 1890. *Journal of Transport Geography*, 2025, 128, pp.104370. (10.1016/j.jtrangeo.2025.104370). (halshs-05218271)  
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<https://hal.science/hal-05410510v1>

- 2025 - Marc-Antoine Faure, César Ducruet. Shipping Network Research: A Systematic and Quantitative Review. 2025. (hal-05106768)  
<https://hal.science/hal-05106768v1>
- 2025 - Ling Sun, Jingyi Zhang, César Ducruet, Hidekazu Itoh, Xiangqi Liu. The impact of shipping activities on air quality and residents' health in China's port cities. *Journal of Transport Geography*, 2025, 123, pp.104099. (10.1016/j.jtrangeo.2024.104099). (halshs-04838170)  
<https://shs.hal.science/halshs-04838170v1>
- 2025 - César Ducruet, Dimitris Tsiotas, Bruno Marnot, Barbara Polo Martin, Hidekazu Itoh, et al.. Structural change in the world maritime network (1880-2020): globalization, optimization, and vulnerability. 2025. (hal-05000113)  
<https://hal.science/hal-05000113v1>
- 2025 - César Ducruet, Barbara Polo Martin. Port-city evolution in the long run (1880-2020): global and regional trends. 2025. (hal-05072548)  
<https://hal.science/hal-05072548v1>
- 2024 - César Ducruet, Réka Juhász, Dávid Krisztián Nagy, Claudia Steinwender. All aboard: The effects of port development. *Journal of International Economics*, 2024, 151, pp.103963. (10.1016/j.jinteco.2024.103963). (halshs-04651432)  
<https://shs.hal.science/halshs-04651432v1>
- 2024 - Bárbara Polo Martin, César Ducruet. The global transport network in space and time. *Portus*, 2024, Across the Waves, 47, <https://portusonline.org/the-global-transport-network-in-space-and-time/>. (halshs-04663232)  
<https://shs.hal.science/halshs-04663232v1>
- 2024 - Bárbara Polo-Martín, César Ducruet. Coupled connectivity in the global complex network: the case of United Kingdom (1880–1925). *Applied Network Science*, 2024, 9 (1), pp.15. (10.1007/s41109-024-00622-6). (halshs-04571237)  
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- 2024 - César Ducruet, Bárbara Polo Martin, Mame Astou Sene, Mariantonia Lo Prete, Ling Sun, et al.. Ports and their influence on local air pollution and public health: A global analysis. *Science of the Total Environment*, 2024, 915, pp.170099. (10.1016/j.scitotenv.2024.170099). (halshs-04407981)  
<https://shs.hal.science/halshs-04407981v1>
- 2024 - Ling Sun, Xiangqi Liu, Zijiang Hu, Jingyi Zhang, César Ducruet, et al.. Does just transition increase social and environmental risks? Evidence from global port cities development. *Environmental Impact Assessment Review*, 2024, 105, pp.107370. (10.1016/j.eiar.2023.107370). (halshs-04314390)  
<https://shs.hal.science/halshs-04314390v1>
- 2024 - César Ducruet, Mariantonia Lo Prete, Bárbara Polo Martin, Mame Astou Séné. Environnement et santé dans les villes portuaires : quelles données pour une analyse comparative au niveau mondial ?. Yann Alix; Pierre Cariou; Jacques Paquin. *L'intelligence portuaire : opération, innovation, projection*, Editions EMS, pp.265-286, 2024, Les Océanides. (halshs-04492364)  
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- 2024 - Naixia Mou, Huanqing Xu, Yong Liu, Guoqing Li, Lingxian Zhang, et al.. Does the Chinese coastal ports disruption affect the reliability of the maritime network? Evidence from port importance and typhoon risk. *International Journal of Applied Earth Observation and Geoinformation*, 2024, 129, pp.103846. (10.1016/j.jag.2024.103846). (halshs-04665720)  
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<https://shs.hal.science/halshs-04654169v1>

2024 - Bárbara Polo Martin, Marc-Antoine Faure, Fabio Cremaschini, César Ducruet. Shipping Trade and Geopolitical Turmoils. 2024. (hal-04660640v2)  
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2024 - César Ducruet, In Joo Yoon. Maritime trade and economic development in North Korea. 2024. (hal-04159805)  
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2024 - César Ducruet, In Joo Yoon. Maritime trade and economic development in North Korea. Journal of Transport Geography, 2024, 120, pp.103990. (10.1016/j.jtrangeo.2024.103990). (hal-04689246)  
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2023 - César Ducruet. Relational turns in geography and elsewhere: the case of ports, port systems, and shipping networks. Investigating & Recording the Port-Cluster Landscape: Call for Words, 2023, Gênes, Unknown Region. (hal-04292931)  
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2023 - César Ducruet. Shipping network analysis: state-of-the-art and application to the global financial crisis. César Ducruet; Theo E. Notteboom. Port Systems in Global Competition. Spatial-Economic Perspectives on the Co-Development of Seaports, Routledge, pp.300-333, 2023, Routledge Studies in Transport Analysis, 9781003316657. (10.4324/9781003316657-20). (halshs-04588340)  
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2023 - César Ducruet, Theo E. Notteboom, Brian Slack. Port migration patterns in the global seaport system since the 1950s. César Ducruet; Theo E. Notteboom. Port Systems in Global Competition. Spatial-Economic Perspectives on the Co-Development of Seaports, Routledge, pp.122-146, 2023, 9781003316657. (10.4324/9781003316657-9). (halshs-04588346)

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2023 - César Ducruet, Elena Cocuzza, Matteo Ignaccolo. Analysis of the maritime networks: criticalities and resilience. *Transportation Research Procedia*, 2023, 69, pp.878-885. (10.1016/j.trpro.2023.02.248). (halshs-04194432)  
<https://shs.hal.science/halshs-04194432v1>

2023 - César Ducruet. Les petits ports dans les réseaux maritimes. *DEVPORT 2023 - Quelle place pour les ports territoriaux dans le système maritime de demain ?*, 2023, Le Havre, Région indéterminée. (hal-04292930)  
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2023 - César Ducruet. Port systems and maritime networks: a relational turn?. *International Symposium on Disciplinary Development and Innovation of Transport Geography 2023*, 2023, Chine, Unknown Region. (hal-04292933)  
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2022 - César Ducruet, David Guerrero. Inland cities, maritime gateways and international trade. *Journal of Transport Geography*, 2022, 104, pp.103433. (10.1016/j.jtrangeo.2022.103433). (hal-03764224)  
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2022 - César Ducruet, Mariantonia Lo Prete. A sustainability analysis of European port cities. *IGU PARIS 2022 TIME FOR GEOGRAPHERS The Centennial Congress*, Jul 2022, Paris, France. (hal-04401080)  
<https://hal.science/hal-04401080v1>

2022 - César Ducruet, Elyakim Ben-Hakoun, Mariantonia Lo Prete, Katharina Wabnitz, Viola Graef, et al.. An overview of the WHO report on environment and health in seaport cities: key findings and research gaps. *2nd WHO-UfM Joint Webinar on "Environment and health in seaport cities"*, UfM-WHO Europe, Jul 2022, Brussels, Belgium. (hal-04400640)  
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2022 - César Ducruet, Theo Notteboom. Revisiting port system delineation through an analysis of maritime interdependencies among seaports. *GeoJournal*, 2022, (10.1007/s10708-020-10341-x). (halshs-03029876)  
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2022 - César Ducruet. Infrastructures et développement des territoires. Concepts, modèles, et applications. Les rendez-vous de l'économie territoriale, 2022, en ligne, Région indéterminée. (hal-04292904)  
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2021 - César Ducruet, Justin Berli, Giannis Spiliopoulos, Dimitris Zissis. Maritime Network Analysis: Connectivity and Spatial Distribution. Guide to Maritime Informatics, Springer International Publishing, pp.299-317, 2021, (10.1007/978-3-030-61852-0\_10). (hal-03293379)  
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