

SPECIAL ISSUE OF NEOBIOTA 'Frameworks used in Invasion Science'

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EDITORIAL

Wilson JRU, Bacher S, Daehler CC, Groom QJ, Kumschick S, Lockwood JL, Robinson TB, Zengeya TA, Richardson DM (2020) Frameworks used in invasion science: progress and prospects. *NeoBiota* 62: 1–30. <https://doi.org/10.3897/neobiota.62.58738>

PAPERS

- Bertolino S, Ancillotto L, Bartolommei P, Benassi G, Capizzi D, Gasperini S, Lucchesi M, Mori E, Scillitani L, Sozio G, Falaschi M, Ficetola GF, Cerri J, Genovesi P, Carnevali L, Loy A, Monaco A (2020) A framework for prioritising present and potentially invasive mammal species for a national list. *NeoBiota* 62: 31–54. <https://doi.org/10.3897/neobiota.62.52934>
- Brock KC, Daehler CC (2020) Applying an invasion and risk framework to track non-native island floras: a case study of challenges and solutions in Hawai'i. *NeoBiota* 62: 55–79. <https://doi.org/10.3897/neobiota.62.52764>
- Datta A, Kumschick S, Geerts S, Wilson JRU (2020) Identifying safe cultivars of invasive plants: six questions for risk assessment, management, and communication. *NeoBiota* 62: 81–97. <https://doi.org/10.3897/neobiota.62.51635>
- Essl F, Latombe G, Lenzner B, Pagad S, Seebens H, Smith K, Wilson JRU, Genovesi P (2020) The Convention on Biological Diversity (CBD)'s Post-2020 target on invasive alien species – what should it include and how should it be monitored? *NeoBiota* 62: 99–121. <https://doi.org/10.3897/neobiota.62.53972>
- Evans T, Blackburn TM, Jeschke JM, Probert AF, Bacher S (2020) Application of the Socio-Economic Impact Classification for Alien Taxa (SEICAT) to a global assessment of alien bird impacts. *NeoBiota* 62: 123–142. <https://doi.org/10.3897/neobiota.62.51150>
- Faulkner KT, Hulme PE, Pagad S, Wilson JRU, Robertson MP (2020) Classifying the introduction pathways of alien species: are we moving in the right direction? *NeoBiota* 62: 143–159. <https://doi.org/10.3897/neobiota.62.53543>
- Hulme PE, Baker R, Freckleton R, Hails RS, Hartley M, Harwood J, Marion G, Smith GC, Williamson M (2020) The Epidemiological Framework for Biological Invasions (EFBI): an interdisciplinary foundation for the assessment of biosecurity threats. *NeoBiota* 62: 161–192. <https://doi.org/10.3897/neobiota.62.52463>
- Kumschick S, Bacher S, Bertolino S, Blackburn TM, Evans T, Roy HE, Smith K (2020) Appropriate uses of EICAT protocol, data and classifications. *NeoBiota* 62: 193–212. <https://doi.org/10.3897/neobiota.62.51574>
- Kumschick S, Wilson JRU, Foxcroft LC (2020) A framework to support alien species regulation: the Risk Analysis for Alien Taxa (RAAT). *NeoBiota* 62: 213–239. <https://doi.org/10.3897/neobiota.62.51031>
- Latombe G, Essl F, McGeoch MA (2020) The effect of cross-boundary management on the trajectory to commonness in biological invasions. *NeoBiota* 62: 241–267. <https://doi.org/10.3897/neobiota.62.52708>
- Liebold AM, Keitt TH, Goel N, Bertelsmeier C (2020) Scale invariance in the spatial-dynamics of biological invasions. *NeoBiota* 62: 269–278. <https://doi.org/10.3897/neobiota.62.53213>
- Measey J, Wagener C, Mohanty NP, Baxter-Gilbert J, Pienaar EF (2020) The cost and complexity of assessing impact *NeoBiota* 62: 279–299. <https://doi.org/10.3897/neobiota.62.52261>
- Paap T, Wingfield MJ, Burgess TI, Hulbert JM, Santini A (2020) Harmonising the fields of invasion science and forest pathology. *NeoBiota* 62: 301–332. <https://doi.org/10.3897/neobiota.62.52991>
- Pergl J, Brundu G, Harrower CA, Cardoso AC, Genovesi P, Katsanevakis S, Lozano V, Perglová I, Rabitsch W, Richards G, Roques A, Rorke SL, Scalera R, Schönrogge K, Stewart A, Tricarico E, Tsiamis K, Vannini A, Vilà M, Zenetos A, Roy HE (2020) Applying the Convention on Biological Diversity Pathway Classification to alien species in Europe. *NeoBiota* 62: 333–363. <https://doi.org/10.3897/neobiota.62.53796>
- Potgieter LJ, Cadotte MW (2020) The application of selected invasion frameworks to urban ecosystems. *NeoBiota* 62: 365–386. <https://doi.org/10.3897/neobiota.62.50661>
- Probert AF, Volery L, Kumschick S, Vimercati G, Bacher S (2020) Understanding uncertainty in the Impact Classification for Alien Taxa (ICAT) assessments. *NeoBiota* 62: 387–405. <https://doi.org/10.3897/neobiota.62.52010>
- Pyšek P, Bacher S, Kühn I, Novoa A, Catford JA, Hulme PE, Pergl J, Richardson DM, Wilson JRU, Blackburn TM (2020) MACroecological Framework for Invasive Aliens (MAFIA): disentangling large-scale context dependence in biological invasions. *NeoBiota* 62: 407–462. <https://doi.org/10.3897/neobiota.62.52787>
- Robinson TB, Martin N, Loureiro TG, Matikina P, Robertson MP (2020) Double trouble: the implications of climate change for biological invasions. *NeoBiota* 62: 463–487. <https://doi.org/10.3897/neobiota.62.55729>
- Sinclair JS, Brown JA, Lockwood JL (2020) Reciprocal human-natural system feedback loops within the invasion process. *NeoBiota* 62: 489–508. <https://doi.org/10.3897/neobiota.62.52664>
- Van der Colff D, Kumschick S, Foden W, Wilson JRU (2020) Comparing the IUCN's EICAT and Red List to improve assessments of the impact of biological invasions. *NeoBiota* 62: 509–523. <https://doi.org/10.3897/neobiota.62.52623>
- Vimercati G, Kumschick S, Probert AF, Volery L, Bacher S (2020) The importance of assessing positive and beneficial impacts of alien species. *NeoBiota* 62: 525–545. <https://doi.org/10.3897/neobiota.62.52793>
- Volery L, Blackburn TM, Bertolino S, Evans T, Genovesi P, Kumschick S, Roy HE, Smith KG, Bacher S (2020) Improving the Environmental Impact Classification for Alien Taxa (EICAT): a summary of revisions to the framework and guidelines. *NeoBiota* 62: 547–567. <https://doi.org/10.3897/neobiota.62.52723>
- Wilson JRU, Datta A, Hirsch H, Keet J-H, Mboobo T, Nkuna KV, Nsikani MM, Pyšek P, Richardson DM, Zengeya TA, Kumschick S (2020) Is invasion science moving towards agreed standards? The influence of selected frameworks. *NeoBiota* 62: 569–589. <https://doi.org/10.3897/neobiota.62.53243>
- Ziller SR, de Sá Dechoum M, Silveira RAD, da Rosa HM, Motta MS, da Silva LF, Oliveira BCM, Zenni RD (2020) A priority-setting scheme for the management of invasive non-native species in protected areas. *NeoBiota* 62: 591–606. <https://doi.org/10.3897/neobiota.62.52633>