

Agenda Topic 10A

Forest Invasive Species and Economics

This presentation will provide an overview of recent work on the economics of forest pests in the context of priority pathways for introduction and rates of introduction over time. Specifically, this body of work builds on a series of analyses started by the National Center for Ecological Analysis and Synthesis, which have subsequently been used by a range of different stakeholder groups. The presentation will also provide a brief introduction to an international process addressing the Economics of Ecosystems and Biodiversity, as a methodological example of how broad economic assessments can be undertaken at different scales.

Resources:

- Aukema JE, McCullough DG, Von Holle B, Liebhold AM, Britton K, et al. (2010) Historical accumulation of nonindigenous forest pests in the continental US *BioScience* 60: 886–897. [http://www.fs.fed.us/psw/publications/frankel/psw_2011_frankel\(aukema\)001.pdf](http://www.fs.fed.us/psw/publications/frankel/psw_2011_frankel(aukema)001.pdf)
- Aukema JE, Leung B, Kovacs K, Chivers C, Britton KO, Englin J, Von Holle B, et al. (2011) Economic impacts of non-native forest insects in the continental United States. *PLoS ONE*, 6(9), e24587. <http://doi.org/10.1371/journal.pone.0024587>
- Holmes TP, Aukema JE, Von Holle B, Liebhold A, Sills E (2009) Economic impacts of invasive species in forests past, present, and future. *Year in Ecology and Conservation Biology 2009* 1162: 18–38. http://www.sandyliebhold.com/pubs/Holmes_etal_2009.pdf
- Holmes TP, Liebhold AM, Kovacs KF, Von Holle B (2010) A spatial-dynamic value transfer model of economic losses from a biological invasion. *Ecological Economics*. 70: 86-95. <http://www.nrs.fs.fed.us/pubs/36678>
- TEEB (2010) *The Economics of Ecosystems and Biodiversity: Mainstreaming the Economics of Nature - A Synthesis of the Approach, Conclusions and Recommendations of TEEB*. <http://www.teebweb.org/>

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Agenda Topic 15

Next Steps for the AIS Federal Options Paper

In August 2015, an ANSTF/NISC task force released the paper “Federal Policy Options: Addressing the Movement of Aquatic Invasive Species Onto and Off of Federal Lands and Waters.” The report includes an overview of current federal authorities including a summary review of agency actions relevant to managing the movement of AIS along with the laws and policies underpinning that summary. It also identifies a number of policy options for continued work. This presentation will briefly review this background while focusing on current and future opportunities for work by federal agencies and in association with the Building Consensus in the West initiative.

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