



BIODIVERSITY

NUMBER 4: Considering Biodiversity in Spatial and Regional Planning

The Key Citations series was developed to provide a starting point for persons new to the various fields of impact assessment. The references provided are an indicative overview of the field and establish what might be regarded as the core literature. They include a selection of currently available textbooks published by commercial publishers, a selection of journal articles from the last 10 or so years, and key official documents. Some historically significant articles are also included. The means of determining key citations generally include consulting Scopus and Google Scholar and expert practitioners in the field. IAIA members contributing to this series acknowledge possible personal and regional bias and much difficulty in selecting only a few from among many excellent references in their fields.

INTRODUCTION

Key citations are intended to provide a starting point for people who are new to the various fields of impact assessment. The references give an indicative overview of the field and are intended to constitute "core literature." They include a selection of currently available textbooks published by commercial publishers, journal articles from the last 10 or so years, and key official or "scene-setting" documents. Some historically significant articles are therefore also included. The means of determining key citations generally include consulting Scopus and Google Scholar and expert practitioners in the field. IAIA members contributing to this series acknowledge possible personal and regional bias and much difficulty in selecting only a few from among many excellent references in their fields.

PLEASE NOTE

This Key Citations Series for Biodiversity and Ecosystem Services comprises six separate documents dealing with different, biodiversity- and ecosystem services-related topics of relevance to impact assessment at project and strategic levels.

Citations are given in chronological order, starting with the most recent publications.

LANDSCAPE APPROACH/SPATIAL PLANNING

IAIA (2016). Ecosystem Services in SEA for Spatial Planning. IAIA FasTips No. 13. (www.iaia.org)

Kopperoinen, L., C. Albert & P. Itkonen (2016). Chapter 10. Applications of Biodiversity and Ecosystem Services Impact Assessment in Spatial Planning. In Geneletti (2016).

Global Canopy Programme (2015). *The Little Sustainable Landscapes Book*. <http://globalcanopy.org/publications/little-sustainable-landscapes-book>

Mandle, L., B.P. Bryant, M. Ruckelshaus, D. Geneletti, J.M. Kiesecker & A. Pfaff (2015). Entry Points for Considering Ecosystem Services within Infrastructure Planning: How to Integrate Conservation with Development in Order to Aid Them Both. *Conservation Letters*, 2015, 1-7.

Sayer, J., Sunderland, T., Ghazoul, J., Pfund, J-L., Sheil, D., Meijaard, E., Venter, M., Boedhihartono, A.K., Day, M., Garcia, C., van Oosten, C. & Buck, L.E (2013). Ten principles for a landscape approach to reconciling agriculture, conservation, and other competing land uses. *PNAS* 110(21): 8349-8356.

Viglizzo, E F, L M Paruelo, P Laterra & E G Jobbágy (2012). Ecosystem service evaluation to support land-use policy. *Agriculture, Ecosystems and Environment*, 154, 78-84.

Geneletti, D (2011). Reasons and options for integrating ecosystem services in strategic environmental assessment of spatial planning. *International Journal of Biodiversity science, Ecosystem Services & Management*, 7, 143-149.

CREM, SevS & IVM (2011). Ecoregional economic development: An integrated spatial planning approach. http://www.crem.nl/files/upload/documents/downloads/file/Reader_Ecoregional_Economic_Development.pdf



BIODIVERSITY KEY CITATIONS

REGIONAL / STRATEGIC PLANNING GUIDANCE

- Rajvanshi, A. (2015). Strategic Environmental Assessment: A guidance tool for mainstreaming biodiversity and sustainability in development planning. Wildlife Institute of India, Dehradun, India.
- Brownlie, S., C. de Villiers., A. Driver & K. Maze (2005). Systematic Conservation Planning in the Cape Floristic Region and Succulent Karoo, South Africa: Enabling Sound Spatial Planning and Improved Environmental Assessment. *Journal of Environmental Assessment Policy and Management* 07(02):201-228.

HISTORY

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Updated August 2017 by Jo Treweek, Susie Brownlie, and Roel Slootweg with inputs from members of the Biodiversity and Ecology Section.