



INCORPORATING CLIMATE CHANGE CONSIDERATIONS IN IMPACT ASSESSMENTS

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.

INTRODUCTORY COMMENT

A significant body of literature on climate change science, mitigation, and adaptation is available on the Internet. The list below is of direct relevance to IAIA, focusing on documents that provide best practices for addressing climate change in impact assessments, and is grouped into two broad categories: IAIA publications and publications by other organizations such as governments and NGOs. Included are links (URLs) to help users find and download copies of the documents, which are freely available on the Internet. In addition, brief descriptions are provided where the titles may not provide sufficient indication of content. Readers are also encouraged to look at papers related to climate change published in the IAIA journal *Impact Assessment and Project Appraisal*.

IAIA PUBLICATIONS

Byer, P., Cestti, R., Croal, P., Fisher, W., Hazell, S., Kolhoff, A. & Kørnøv, L. 2012. *Climate Change in Impact Assessment International Best Practice Principles*. Special Publication Series Number 8. International Association for Impact Assessment: Fargo USA. www.iaia.org/uploads/pdf/SP8.pdf

McCallum, S., 2013. *Climate Smart Decisions*. IAIA Fastips 3. www.iaia.org/uploads/pdf/Fastips_3Climate.pdf

PUBLICATIONS BY OTHER ORGANIZATIONS

Agrawala, S., Matus Kramer, A., Prudent-Richard, G. & Sainsbury, M. 2010. *Incorporating Climate Change Impacts and Adaptation in Environmental Impact Assessments: Opportunities and Challenges*. OECD Environmental Working Paper No. 24, OECD Publishing. www.oecd-ilibrary.org/docserver/download/5km959r3jcmw-en.pdf?expires=1495301701&id=id&accname=guest&checksum=8828A78BF62AC0AEA510F5B28C726FB5

ACT (Australian Capital Territory) Government 2012. *Climate Change Vulnerability Assessment Framework for Infrastructure*. http://www.cmd.act.gov.au/__data/assets/pdf_file/0007/346273/Climate_Change_Vulnerability_Assessment_Framework_for_Infrastructure_August_2012.pdf

Canada FPTC (Federal-Provincial-Territorial Committee on Climate Change and Environmental Assessment) 2003. *Incorporating Climate Change Considerations in Environmental Assessment: General Guidance for Practitioners*. Canadian Environmental Assessment Agency, Canada. https://www.ceaa-acee.gc.ca/Content/A/4/1/A41F45C5-1A79-44FA-9091-D251EEE18322/Incorporating_Climate_Change_Considerations_in_Environmental_Assessment.pdf

CARICOM 2004. *Guide to the Integration of Climate Change Adaptation into the Environmental Impact Assessment Process*. Belmopan, Belize. Caribbean Community (CARICOM) and South Pacific Regional Environment Programme (SPREP). *Step-by-step guidance that is also applicable to non-Caribbean regions*. <http://dms.caribbeanclimate.bz/M-Files/openfile.aspx?objtype=0&docid=2358>

European Commission 2013. *Guidance on Integrating Climate Change and Biodiversity into Strategic Environmental Assessment*. Brussels. <http://ec.europa.eu/environment/eia/pdf/SEA%20Guidance.pdf>

Geissler, K., Schott, N., Dare, E. & Zhang, X. 2015. *Best Practices for the Integration of Climate Change Adaptation and Mitigation into Environmental Assessments*. Report prepared for Ontario Climate Consortium and Toronto Region Conservation Authority. Western University Centre for Environment & Sustainability, London, Ontario. http://climateconnections.ca/wp-content/uploads/2015/01/Best-Practices-for-the-Integration-of-Climate-Change-into-EAs_Final-Report.pdf



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INCORPORATING CLIMATE CHANGE CONSIDERATIONS IN IMPACT ASSESSMENTS KEY CITATIONS

- Kolhoff, A. & Barten, B. 2015. Climate-robust Development and the Use of EIA and SEA: Lessons Learnt from the Netherlands and Abroad. *Views and Experiences 2015* pp 8-15. Netherlands Commission for Environmental Assessment. http://api.commissiomer.nl/docs/mer/diversen/views-experiences2015_p8-15.pdf
- Netherlands Commission for Environmental Assessment 2017. *Environmental Assessment for Climate Smart Decision Making: Good practice cases. Descriptions of twelve cases from around the world where EIA or SEA has influenced a project or plan to address climate change mitigation or adaptation.* http://api.commissiomer.nl/docs/mer/diversen/2017environmental-assessment-for-climate-smart-decision-making_good-practice-cases.pdf
- New York State Department of Environmental Conservation 2009. *Assessing Energy Use and Greenhouse Gas Emissions in Environmental Impact Statements.* www.dec.ny.gov/docs/administration_pdf/eisghgpolicy.pdf
- Nova Scotia Environment 2011a. *Guide to Considering Climate Change in Environmental Assessments in Nova Scotia.* www.novascotia.ca/nse/ea/docs/EA.Climate.Change.Guide.pdf
- Nova Scotia Environment 2011b. *Guide to Considering Climate Change in Project Development in Nova Scotia.* <https://novascotia.ca/nse/ea/docs/Development.Climate.Change.Guide.pdf>
- OECD Development Assistance Committee (DAC) 2010. *Strategic Environmental Assessment and Adaptation to Climate Change.* http://contenttext.undp.org/aplaws_publications/1769217/SEA%20and%20Adaptation%20to%20CC%20full%20version.pdf
- Rodgers, C., Eng, S., Sparling, E., Douglas, A., Byer, P. & Auld, H. 2014. *Assessing the Treatment of Climate Change Impacts and Adaptation in Project-level EAs in the Canadian Mining Sector Report to Climate Change Impacts and Adaptation Division, Natural Resources Canada. A set of detailed project-level best practices that can be used for any type of project.* www.climateontario.ca/doc/p_ECCC/A_Review_of_Mining_Sector_Environmental_Assessments_OCCIAR_RSI.pdf
- Scottish Government, Environmental Assessment Team 2010. *Consideration of Climate Factors Within Strategic Environmental Assessment (SEA).* www.gov.scot/Resource/Doc/306477/0096207.pdf
- United Kingdom Environment Agency 2011. *Strategic Environmental Assessment and Climate Change: Guidance for Practitioners.* https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/297039/geho0811buca-e-e.pdf
- U.S. Council on Environmental Quality 2016. *Final Guidance for Federal Departments and Agencies on Consideration of Greenhouse Gas Emissions and the Effects of Climate Change in National Environmental Act Policy Reviews.* Executive Office of the President, Washington D.C. https://ceq.doe.gov/docs/ceq-regulations-and-guidance/nepa_final_ghg_guidance.pdf
- Wentz, J. 2015. *Assessing the Impacts of Climate Change on the Built Environment under NEPA and State EIA Laws: A Survey of Current Practices and Recommendations for Model Protocols.* Sabin Center for Climate Change Law, Columbia Law School. *Section 6 is a set of model protocols (best practices).* <http://wordpress.ei.columbia.edu/climate-change-law/files/2016/06/Wentz-2015-08-Climate-Change-Impact-on-Built-Environment-.pdf>