

SOM: Full results of the literature review

Anon. (2009). Management Effectiveness Tracking Tool. *Wildlife Middle East News* 4.1 [see: www.wmenews.com/supporting/Conservation_workshop.pdf1294666102.pdf]

Appleton, M., Texon, G.I. and Uriarte, M.T. (2003). *Competence Standards for Protected Area Jobs in South East Asia*. Manila, Philippines: ASEAN Regional Centre.

Badman, T., Bomhard, B., Fincke, A., Langley, J., Rosabal, P. and Sheppard, D. (2008). *Outstanding universal value: Standards for natural world heritage*. Gland, Switzerland: IUCN. 52pp.

Belle, E., Stolton, S., Dudley, N., Hockings, M. and Burgess, N.D. (2012). *Protected Area Management Effectiveness: A regional framework and additional METT module for monitoring the effects of climate change*. Cambridge, UK: UNEP-WCMC.

Belokurov, A., Besançon, C., Pavese, H., Burgess, N.D., Dudley, N., Stolton, S., Hockings, M., Leverington, F., MacKinnon, K. and Whitten, T. (2009). New resources for assessing the effectiveness of management in protected areas. *Oryx*, 43 (1): Doi:10.1017/S0030605308431046.

Beltrán, J. (ed.) 2000. *Indigenous and Traditional Peoples and Protected Areas: Principles, Guidelines and Case Studies*. Gland, Switzerland and Cambridge, UK: IUCN and WWF International.

Biggs, H.C., Breen, C., Slotow, R., Freitag, S. and Hockings, M. (2011). How assessment and reflection relate to more effective learning in adaptive management. *Koedoe* 53(2), Art. #1001, 13 pages. doi:10.4102/koedoe.v53i2.1001.

Borrini-Feyerabend, G., Kothari, A. and Oviedo, G. (2004). *Indigenous and Local Communities and Protected Areas: Towards Equity and Enhanced Conservation*. Gland, Switzerland and Cambridge, UK: IUCN.

Burgess, N.D, Arnell, A., Shennan-Farpon, Y., Newham, R., Sand Jørgensen, K. and Geldmann, J. (2015). *Baseline management effectiveness in the CEPF Eastern Afromontane Hotspot Region*, United Nations Environment Programme.

Burgess, N.D., Danks, F.S., Newham, R., Franks, P. and Roe, D. (2014). *Towards Equitably Managed*

Protected Areas: A review of synergies between Protected Area Management Effectiveness and Social or Governance Assessment. IIED Discussion Paper. London: IIED.

Carbutt, C. and Goodman, P.S. (2013). How objective are protected area management effectiveness assessments? A case study from the iSimangaliso Wetland Park *Koedoe* 55(1): Art. #1110, 8 pages. <http://dx.doi.org/10.4102/koedoe.v55i1.1110>

Carranza, T., Manica, A., Kapos, V. and Balmford, A. (2014). Mismatches between conservation outcomes and management evaluation in protected areas: A case study in the Brazilian Cerrado. *Biological Conservation* 173: 10–16.

CEPF. (2012). CEPF Monitoring Framework: Approved June 2012. Washington, DC: Critical Ecosystem Partnership Fund.

Coad, L., Leverington, F., Knights, K., Geldmann, J., Eassom, A., Kapos, V., Kingston, N., de Lima, M., Zamora, C., Cuadros, I., Nolte, C., Burgess, N.D. and Hockings, M. (2015). Measuring impact of protected area management interventions: current and future use of the Global Database of Protected Area Management Effectiveness. *Philosophical Transactions of the Royal Society B* 370: 20140281.

Conservation Assured. (2016). *CA/TS Manual Version 1.3*. February 2016. Petaling Jaya, Malaysia: Conservation Assured.

Convention on Biological Diversity (CBD). (2004). *Programme of Work on Protected Areas*. Montreal: SCBD.

Convention on Biological Diversity (CBD). (2010). *Strategic plan for biodiversity 2011–2020 - COP 10, decision X/2*. Montreal, Canada: Convention on Biological Diversity.

Cook, C.N., Carter, R.W. and Hockings, M. (2014). Measuring the accuracy of management effectiveness evaluations of protected areas. *Journal of Environmental Management* 139: 164–171.

Cook, C.N. and Hockings, M. (2011). Opportunities for improving the rigor of management effectiveness evaluations in protected areas. *Conservation Letters* 4: 372–382.

Cook, C.N., Hockings, M. and Carter, R.W. (2009). Conservation in the dark? The information used to support management decisions. *Frontiers in Ecology and the Environment* 8: 181–186.

Cowan, G.I., Mpongoma, N. and Britton, P. (eds.) (2010). *Management effectiveness of South Africa's protected areas*. Pretoria: Department of Environmental Affairs.

Damania, R., Seidensticker, V., Whitten, T., Sethi, G., Mackinnon, K., Kiss, A. and Kushlin, A. (2008). *A Future for Wild Tigers*. Washington DC: World Bank.

Day, J.C. and Laffoley, D. (2006). *Self-assessment checklist for building networks of MPAs*. WCPA IUCN. [Download from: www.protectplanetoocean.org/resources/docs/Self_assessment_check_list_HOTLINK_egs__Mar07final.pdf]

Dudley, N. (2004). Protected areas and certification. In J. Scanlon and F. Burhenne-Guilmin (eds.) *International Environmental Governance: An international regime for protected areas*. IUCN Environmental Policy and Law Paper number 49. Bonn, Germany: IUCN.

Dudley, N. (ed.) (2008). *Guidelines for Applying Protected Area Management Categories*. Gland, Switzerland: IUCN. x + 86pp. WITH Stolton, S., Shadie, P. and Dudley, N. (2013). *IUCN WCPA Best Practice Guidance on Recognising Protected Areas and Assigning Management Categories and Governance Types*, Best Practice Protected Area Guidelines Series No. 21, Gland, Switzerland: IUCN.

Dudley, N., Belokurov, A., Borodin, O., Higgins-Zogib, L., Hockings, H., Lacerda, L. and Stolton, S. (2004). *Are protected areas working? An analysis of forest protected areas by WWF*. Gland, Switzerland: WWF International.

Dudley, N., Belokurov, A., Higgins-Zogib, L., Hockings, M., Stolton, S. and Burgess, N. (2007). *Tracking progress in managing protected areas around the world. An analysis of two applications of the Management Effectiveness Tracking Tool developed by WWF and the World Bank*. Gland, Switzerland: WWF International.

Dudley, N., Lham, D., Stolton, S., Wangchuk, S. and Wangchuk, S. (2016). *Bhutan Management Effectiveness Tracking Tool Plus. Final Version 2016*. Thimphu, Bhutan and Bristol, UK: Wildlife Conservation Division and Equilibrium Research.

Dudley, N., Hockings, M. and Stolton, S. (2003). *Protection Assured: Guaranteeing the effective management of the world's protected areas – a review of options*. Gland, Switzerland: IUCN.

Dudley, N., Hockings, M. and Stolton, S. (2004). Options for guaranteeing the effective management of the world's protected areas. *Journal of Environmental Policy and Planning* 6 (2): 131-142.

Dudley, N. and Stolton, S. (1999). *Threats to Forest Protected Areas: Summary of a survey of 10 Countries*. Switzerland: WWF/World Bank Alliance in association with the IUCN WCPA, IUCN.

Dudley, N. and Stolton, S. (2005). *Improving management effectiveness of protected areas: minimum requirements for protected area management*. Forests for Life protected area initiative guidance note. Gland, Switzerland: WWF International.

Dizon, E.C., Geronimo, R.C. and Quicho, R. Jr. (2013). *Benchmarking the management effectiveness of nationally-managed marine protected areas in the Philippines and policy recommendations*. Philippines: Final Report for USAID Coral Triangle Support Partnership (CTSP) and Conservation International. September 2013.

Emerton, L., Bishop, J. and Thomas, L. (2006). *Sustainable Financing of Protected Areas: A global review of challenges and options*. Gland, Switzerland and Cambridge, UK: IUCN.

Evans, B. (2014). Mainstreaming the METT Powerpoint Presentation. [download at: www.conservationmeasures.org/wp-content/uploads/sites/4/2014/10/g-METT_CMP_10.8.2014.pptx]

Forrest, J. L., Bomhard, B., Budiman, A., Coad, L., Cox, N., Dinerstein, E., Hammer, D., Huang, C., Huy, K., Kraft, R., Lysenko, I. and Magrath, W. (2011). Single-species conservation in a multiple-use landscape: current protection of the tiger range. *Animal Conservation* 284(14): 283–294.

GEF. (2015). *Impact Evaluation of GEF Support to Protected Areas and Protected Area Systems*. GEF/ME/C.49/Inf.02 October 06, 2015. Washington, D.C.: GEF.

Geldmann, J., Coad, L., Barne, M., Craigie, I.D., Hockings, M., Knights, K., Leverington, F., Cuadros, I.C., Zamora, C., Woodley, S. and Burgess, N.D. (2015). Changes in protected area management effectiveness over time: A global analysis. *Biological Conservation* 191: 692–699.

Gereau, R.E., Kariuki, M., Nding'ang'a, P.K., Werema, C. and Muoria, P. (2014). *Biodiversity Status and Trends Report for the Eastern Arc Mountains and Coastal Forests of Kenya and Tanzania Region, 2008 – 2013*. Nairobi, Kenya: Birdlife International, Africa Partnership Secretariat.

Gevorgyan, A. and Abovyan, P. (2010). Assessment of Management Effectiveness and Law Enforcement in Forest Sanctuaries in Armenia. Draft Report

Guiang, E.S. and Braganza, G.C. (2014). *National Management Effectiveness and Capacity Assessment of Protected Areas in the Philippines*. Bonn, Germany: GIZ.

Heffernan, D.E., Zahler, P., Merkel, J., Heffernan, C.A. and Jargalsaikhan, C. (2005). An Assessment of the Protected Areas of the Eastern Steppe of Mongolia. *Mongolian Journal of Biological Sciences* 3(1): 25–29.

Henschel, P., Coad, L., Burton, C., Chataigner, B., Dunn A, MacDonald, D., Saidu, Y., and Hunter, L.T.B. (2014). The Lion in West Africa Is Critically Endangered. *PLoS ONE* 9(1): e83500. Doi:10.1371/journal.pone.0083500.

Higgins-Zogib, L. and MacKinnon, K. (2006). World Bank/WWF Alliance Tracking Tool: Reporting conservation progress at protected area sites. In M. Hockings, S. Stolton, F. Leverington, N. Dudley and J. Corrau (2006). *Evaluating Effectiveness: A framework for assessing management effectiveness of protected areas, 2nd edition*. Gland Switzerland and Brisbane Australia: IUCN WCPA and University of Queensland.

Hockings, M. and Hobson, R. (2000). *Fraser Island World Heritage Area Monitoring and Management Effectiveness Project Report*. Brisbane: University of Queensland.

Hockings, M., James, R., Stolton, S., Dudley, N., Mathur, V., Makombo, J., Courrau, J. and Parrish, J. (2008). *Enhancing our Heritage Toolkit: Assessing management effectiveness of natural World Heritage sites*. World Heritage Paper 23. Paris: UNESCO.

Hockings, M., Leverington, F. and Cook, C. (2015). Protected area management effectiveness. In G. L. Worboys, M. Lockwood, A. Kothari, S. Feary and I. Pulsford (eds) *Protected Area Governance and Management*, pp. 889–928. Canberra: ANU Press.

Hockings, M., Stolton, S. and Dudley, N. (2000). *Evaluating Effectiveness: A Framework for Assessing the Management of Protected Areas*. Gland, Switzerland and Cambridge, UK: IUCN.

Hockings, M., Stolton, S., Leverington, F., Dudley, N. and Corrau, J. (2006). *Evaluating Effectiveness: A framework for assessing management effectiveness of protected areas, 2nd edition*. Gland Switzerland and Brisbane Australia: IUCN WCPA and University of Queensland.

Inciong, R.A., Pantastico, A.R. Uriarte, M.T. and Goloyugo, J.F. (2013). *Management Effectiveness of Asean Heritage Parks: A Study Report*. Laguna, Philippines: GIZ and ASEAN Centre for Biodiversity.

IUCN, World Bank, WWF. (1999). *Threats to forest protected areas: summary of a survey of ten countries*. Gland, Switzerland and Washington DC.

Independent State of Papua New Guinea. (2014). *Papua New Guinea Policy on Protected Areas*, Waigani, National Capital District, Papua New Guinea.

Ismail, M., Rossi, A. and Geiger, N. (2011). *A Compilation of Bioenergy Sustainability Initiatives: Update*. Rome: Food and Agriculture Organization of the UN (FAO).

Johns, A.G. (2012). Final Evaluation Report: Rwenzori Mountains Conservation and Environmental Management Project, Uganda Phase II (2010-2012). Kampala, Uganda and Oslo, Norway: WWF Uganda Country Office and WWF Norway, Oslo.

Kementerian Lingkungan Hidup dan Kehutanan. (2015). *Pedoman Penilaian: Efektivitas Pengelolaan Kawasan Konservasi di Indonesia* (Management Effectiveness Tracking Tool). Kementerian

Lingkungan Hidup dan Kehutana, Jakarta, Indonesia [download at:
http://ditjenphka.dephut.go.id/assets/publikasi/BUKU_panduan_mett_2015.pdf]

Knights, K., Cuadros, I., Zamora, C., Coad, L., Leverington, F., O'Connor, B., Gonçalves de Lima, M., Kingston, N., Danks, F., Hockings, M., Malugu, I., Scheren, P., Ngoye, E., Stephenson, P.J., and N.D. Burgess (2014). A preliminary assessment of protected area management within the WWF 'Coastal East Africa' priority place, Eastern Africa. *PARKS* 20.2, DOI: 10.2305/IUCN.CH.2014.PARKS-20-2.KK.en.

Pap, C. (2012). *Monitorowanie Postępu Wzrządzenia Obszarami Chronionymi Wkrajachkarpackich*, WWF International Danube Carpathian Programme, Vienna, Austria [downloaded from:
www.ccibis.org/images/PDF/CCPAMETT/PL%20CCPAMETT_web.pdf]

Parrish, J., Braun, D.P. and Unnasch, R.S. (2003). Are we conserving what we say we are: measuring ecological integrity within protected areas. *BioScience* 53, 851–860.

Pasha, M.K.S., Stolton, S., Baltzer, M. and Belecky M. (2014). *Conservation Assured Tiger Standards: A Multifunctional Protected Area Management Tool to Aid Implementation of International Conventions, Multilateral Treaties, Global Initiatives & National Action*. October 2014. Petaling Jaya, Malaysia: Conservation Assured.

Lausche, B. (2011). *Guidelines for Protected Areas Legislation*. Gland, Switzerland: IUCN.

Leverington F., Costa K.L., Courrau J., Pavese H., Nolte C., Marr M., Coad L., Burgess N., Bomhard B. and Hockings, M. (2010). *Management effectiveness evaluation in protected areas: a global study*. Second edition. St Lucia, Australia: University of Queensland, IUCN- WCPA, TNC, WWF.

Leverington F., Costa K., Pavese H., Lisle A. and Hockings, M. (2010). A Global Analysis of Protected Area Management Effectiveness. *Environmental Management* 46(5): 685–698.

Leverington, F., Peterson, A. and Peterson, G. (2016). *Methodology for assessment of protected area management effectiveness*. Samoa: SPREP.

Malugu, I., Killenga, R. and Jones, T. (2008). East Usambara forest landscape restoration project. Tanzania Forest Conservation Group [download from: www.easternarc.or.tz/groups/webcontent/documents/pdf/TFCGEastUsambarabaselinemonitoringre.pdf]

Mascia, M.B., Pailler, S., Thieme, M.L., Rowe, A., Bottrill, M.C., Danielsen, F., Geldmann, J., Naidoo, R., Pullin, A.S. and Burgess, N.D. (2014). Commonalities and complementarities among approaches to conservation monitoring and evaluation. *Biological Conservation* 169, 258–267.

Mathur, V.B., Gopal, R., Yadav, S.P., Negi, H.S. and Ansari, N.A. (2014). *Management Effectiveness Evaluation (MEE) of Tiger Reserves in India: Process and Outcomes*. Dehradun, India: National Tiger Conservation Authority and Wildlife Institute of India.

Ministry of Environment and Tourism (MET). (2014). *Fifth National Report to the Convention on Biological Diversity (2010-2014)*, Republic of Namibia: MET.

Mwima, H.K. (2007). *Synthesis of completed management effectiveness tracking tool for protected areas managed by the Zambia Wildlife Authority for the year 2007*. Zambia: The Ministry of Tourism, Environment and Natural Resources.

National Parks, Wildlife and Conservation Department, Thailand and CA|TS. (2016). *Summary of the First CA|TS Global Consultation Meeting*. Bangkok and Kuala Lumpur.

Nolte, C. and Agrawal, A. (2012). Linking Management Effectiveness Indicators to Observed Effects of Protected Areas on Fire Occurrence in the Amazon Rainforest. *Conservation Biology*, 27(1): 155–165.

Pauquet, P. (2005). Field-testing of Conservation International's Management Effectiveness Assessment Questionnaire in Seven Protected Areas in Bolivia. Bolivia: Parkswatch.

Quan, J., Ouyang, Z.Y., Xu, W.H. and H. Miao. (2009). *Management effectiveness of China nature reserves: status quo assessment and countermeasures*. State Key Laboratory of Urban and Regional Ecology, Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences, Beijing 100085, China.

Ramsar. (2015). Evaluation of the management and conservation effectiveness of Ramsar Sites. Resolution XII.15. [Downloaded from: www.ramsar.org/sites/default/files/documents/library/cop12_res15_management_effectiveness_e.pdf]

Roux, D.J., Murray, K., Nel, J.L., Hill, L., Roux, H. and Driver, A. (2011). From scorecard to social learning: a reflective co-assessment approach for promoting multiagency cooperation in natural resource management. *Ecology and Society* 16(1): 24.

Salafsky, N., Salzer, D., Stattersfield, A.J., Hilton-Taylor, C., Neugarten, R., Butchart, S.H.M., Collen, B., Cox, N., Master, L.L., O'Connor, S. and Wilkie, D. (2008). A Standard Lexicon for Biodiversity Conservation: Unified Classifications of Threats and Actions. *Conservation Biology* 22: 897–911. doi: 10.1111/j.1523-1739.2008.00937.x.

SEF. (2012). *Management Effectiveness Assessment: Thanda Private Game Reserve & Mduna Royal Reserve*. KwaZulu-Natal, South Africa: Space for Elephants Foundation (SEF).

Staub, F. and Hatzios, M.E. (2004). *Score Card to Assess Progress in Achieving Management Effectiveness Goals for Marine Protected Areas*. World Bank [downloaded from: documents.worldbank.org/curated/en/2004/07/6065915/score-card-assess-progress-achieving-management-effectiveness-goals-marine-protected-areas].

Stephenson, P.J., Burgess, N.D., Jungmann, L., Loh, J., O'Connor, S., Oldfield, T., Reidhead, W. and Shapiro, A. (2015). Overcoming the challenges to conservation monitoring: integrating data from in-situ reporting and global data sets to measure impact and performance. *Biodiversity* 16: 2–3, <http://dx.doi.org/10.1080/14888386.2015.1070373>

Stoll-Kleemann, S. (2010). Evaluation of management effectiveness in protected areas: Methodologies and results. *Basic and Applied Ecology* 11: 377–382.

Stolton, S., Hockings, M. and Dudley, N. (2002a). *Reporting Progress on Management Effectiveness in Protected Areas. A simple site-level tracking tool developed for the World Bank and WWF*. Gland, Switzerland: WWF International.

Stolton, S., Hockings, M. and Dudley, N. (2002b). *Reporting Progress at Protected Area Sites: Background. An analysis of existing methods used to assessment management effectiveness of protected areas by the World Bank*. Gland, Switzerland: WWF International.

Stolton, S., Hockings, M., Dudley, N., MacKinnon, K., Whitten, T. and Leverington, F. (2007). *Management Effectiveness Tracking Tool. Reporting Progress at Protected Area Sites: Second Edition*. Gland, Switzerland: WWF International.

Swartzendruber, F. (2013). *Sub-study on Results Based Management in GEF*. OPS5 Technical Document # 10. GEF Evaluation Office.

Thomas, L. and Middleton, J. (2003). *Guidelines for Management Planning of Protected Areas*. Gland, Switzerland and Cambridge: IUCN.

UNEP WCMC and IUCN WCPA. (2016). *Protected Area Management Effectiveness (PAME) Information document for 20th meeting of the Subsidiary Body on Scientific, Technical and Technological Advice (SBSTTA)*, Cambridge, UK: UNEP WCMC.

Valencia, I.D. and Duncan, C. (2006). *Western Hemisphere Shorebird Reserve Network (WHSRN) Site Assessment Tool*. Western Hemisphere Shorebird Reserve Network, Manomet Center for Conservation Sciences, USA [download from: www.whsrn.org/tools/site-assessment-tool/forms-tutorial].

Van Lavieren, H. and Klaus, R. (2013). An effective regional Marine Protected Area network for the ROPME Sea Area: Unrealistic vision or realistic possibility?. *Marne Pollution Bulletin* 72.2.

Walston, J., Robinson, J.G., Bennett, E.L., Breitenmoser, U., da Fonseca, G.A.B., Goodrich, J., Gumal, M., Hunter, L., Johnson, A., Ullas Karanth, K., Leader-Williams, N., MacKinnon, K., Miquelle, D., Pattanavibool, A., Poole, C., Rabinowitz, A., Smith, J.L.D., Stokes, E.J., Stuart, S.N., Vongkhamheng, C. and Wibisono, H. (2010). Bringing the tiger back from the brink: the six percent solution, *PLoS Biology* 8 (9).

Wildlife Conservation Division and Equilibrium Research. (2015). *Management Effectiveness of Protected Areas in Bhutan: A training session and initial assessment of five protected areas*.

Thimphu, Bhutan and Bristol, UK.

Wildlife Conservation Division and Equilibrium Research. (2016). *External Assessment of Bhutan METT+ : Results for three pilot protected areas*. Thimphu, Bhutan and Bristol, UK.

Worboys, G.L., Lockwood, M., Kothari, A., Feary, S. and Pulsford, I. (eds.). (2014). *Protected Area Governance and Management*: 889–928. Canberra: ANU Press.

World Bank/World Wildlife Fund. (2008). WB/WWF Biofuels Environmental Sustainability Scorecard [download from: <http://www.fao.org/bioenergy/28173-0ff9097a27061bb7225641118b93b617.pdf>].

WWF. (2009). Protected area management effectiveness: METT. In: *Adaptation of Landscape Tools in Support of REDD. Contribution to the NORAD funded project Engaging Civil Society in REDD: Tools, Methodologies and Capacity Building to Reduce Emissions from Forest Loss and Forest Degradation*.

Zimsky, M., Ferraro, P., Mupemo, F., Robinson, J. and Sekhran, N. (2010). Results of the GEF biodiversity portfolio monitoring and learning review mission, Zambia. Enhancing outcomes and impact through improved understanding of protected area management effectiveness. Washington, D.C.: Global Environment Facility.