

Climate change

Aalst, M. van (2006). Managing climate risk: integrating adaptation into World Bank Group operations. World Bank Group Global Environment Facility program.
<http://siteresources.worldbank.org/GLOBALENVIRONMENTFACILITYGEFOPERATIONS/Resources/Publications-Presentations/GEFAdaptationAug06.pdf>

Adaptation learning net UNDP: <http://www.adaptationlearning.net/>

Angelsen, A., Brockhaus, M., Sunderlin, W.D. and Verchot, L.V. (eds) (2012). Analysing REDD+: Challenges and choices. CIFOR, Bogor, Indonesia.
http://www.cifor.org/publications/pdf_files/Books/BAngelsen1201.pdf

Belward, E. (2011). Global land monitoring in Europe's earth observation programme – GMES. JRC presentation IPCC – GEOSS workshop, Geneva, 2011.
http://www.earthobservations.org/documents/meetings/201102_ipcc_geoss/22_IPCC_GEOSS_Belward.ppt

Beniston, M. (2011). Water cycle data and information needs: examples from the EU-FP7 ACQWA project. Presentation.
http://www.earthobservations.org/documents/meetings/201102_ipcc_geoss/20_IPCC_GEOSS_Beniston.ppt

Blunden, J., and Arndt, D.S. (eds) (2012). State of the Climate in 2011. Bull. Amer. Meteor. Soc., 93 (7).
<http://www.ncdc.noaa.gov/bams-state-of-the-climate/2011.php>

Bogardi, J.J. et al. (eds) (2012). River basins and change. GWSP IPO, UNESCO-IHE.
http://www.gwsp.org/fileadmin/documents_news/GWSP_12_01_E-Lernbuch_Complete_RZ5.pdf

Ciais, P. Dolman, A.J., Dargaville, R. Barrie, L., Bombelli, A. Butler, J. Canadell, P., Moriyama, T. (2010). GEO Carbon Strategy. GEO Secretariat Geneva / FAO.
http://www.earthobservations.org/documents/sbas/cl/201006_geo_carbon_strategy_report.pdf

Climate change explorer: <http://weadapt.org/knowledge-base/using-climate-information/the-climate-change-explorer-tool>

Climate change knowledge portal: <http://sdwebx.worldbank.org/climateportal/index.cfm>

Climate wizard: <http://www.climatewizard.org/>

Dangermond, J. et al. (2010). Climate change is a geographic problem - the geographic approach to climate change. ESRI. <http://www.esri.com/library/ebooks/climate-change.pdf>

Dangermond, J. et al. (2010). GIS for climate change. ESRI.
<http://www.esri.com/library/bestpractices/climate-change.pdf>

Doherty, S.J. et al. (2009). Lessons learned from IPCC AR 4 scientific developments needed to understand, predict, and respond to climate change. Bull. Amer. Meteor. Soc. April 2009.
<http://journals.ametsoc.org/doi/pdf/10.1175/2008BAMS2643.1>

► Climate change

Earth System Grid: <http://www.earthsystemgrid.org/home.htm>

GEO (2011). Global Forest Observation Initiative implementation plan. GEO VIII document 15.
[http://www.earthobservations.org/documents/geo-viii/15_GEO%20Global%20Forest%20Observations%20Initiative%20\(GFOI\)-Implementation%20Plan.pdf](http://www.earthobservations.org/documents/geo-viii/15_GEO%20Global%20Forest%20Observations%20Initiative%20(GFOI)-Implementation%20Plan.pdf)

GEO (2010). GEO Task US-09-01a: Critical earth observation priorities – climate societal benefit area.
http://sbageotask.larc.nasa.gov/Climate_US0901a-FINAL.pdf

GEOCarbon showcase: <http://www.youtube.com/watch?v=cmS3RergtP4>

GMES climate change: <http://www.youtube.com/watch?v=ujDU6hyn-vg>

GMES (2012). Monitoring climate change in the Arctic.
http://esamultimedia.esa.int/docs/EarthObservation/GMES_brief_Arctic_Issue9_April2012.pdf

GMES (2011). Preserving forests, cutting carbon.
http://esamultimedia.esa.int/docs/EarthObservation/GMES_newsletter_n2_carbon.pdf

GOFC-GOLD (2010). A sourcebook of methods and procedures for monitoring and reporting anthropogenic greenhouse gas emissions and removals caused by deforestation, gains and losses of carbon stocks in forests, remaining forests and deforestation. GOFC-GOLD report version COP16-1.
http://www.gofc-gold.uni-jena.de/redd/sourcebook/Sourcebook_Version_Nov_2010_cop16-1.pdf

GoodPlanet.org (2011). REDD+ pilot project – Holistic conservation programme for forests in Madagascar. Progress report.
http://www.planet-action.org/automne_modules_files/polyProjects/public/r8299_93_reddpilot_project_goodplanet_madagascar_17dec10.pdf

GTOS (2009). ECV T4 Water level – water level in lakes and reservoirs, water storage. Assessment of the status of the development of the standards for the terrestrial essential climate variables. GTOS 59.
<http://www.fao.org/gtos/doc/ECVs/T04/T04.pdf>

GTOS (2009). ECV T5 Snow - snow cover. Assessment of the status of the development of the standards for the terrestrial essential climate variables. GTOS 60. <http://www.fao.org/gtos/doc/ECVs/T05/T05.pdf>

GTOS (2009). ECV T6 Glaciers - glaciers and ice caps. Assessment of the status of the development of the standards for the terrestrial essential climate variables. GTOS 61.
<http://www.fao.org/gtos/doc/ECVs/T06/T06.pdf>

GTOS (2009). ECV T7 Permafrost – permafrost and seasonally frozen ground. Assessment of the status of the development of the standards for the terrestrial essential climate variables. GTOS 62.
<http://www.fao.org/gtos/doc/ECVs/T07/T07.pdf>

► Climate change

GTOS (2009). ECV-T8 Albedo - albedo and reflectance anisotropy. Assessment of the status of the development of the standards for the terrestrial essential climate variables. GTOS 63.
<http://www.fao.org/gtos/doc/ECVs/T08/T08.pdf>

GTOS (2009). ECV-T10 FAPAR – fraction of absorbed photosynthetically active radiation. Assessment of the status of the development of the standards for the terrestrial essential climate variables. GTOS 65.
<http://www.fao.org/gtos/doc/ECVs/T10/T10.pdf>

GTOS (2009). ECV-T11 LAI - leaf area index. Assessment of the status of the development of the standards for the terrestrial essential climate variables. GTOS 66.
<http://www.fao.org/gtos/doc/ECVs/T11/T11.pdf>

GTOS (2008). ECV T1 River discharge. Assessment of the status of the development of terrestrial essential climate variables. GTOS 56. <http://www.fao.org/gtos/doc/ECVs/T01/T01.pdf>

GTOS (2008). ECV T03 Terrestrial Groundwater. Assessment of the status of the development of the standards for the terrestrial essential climate variables. <http://www.fao.org/gtos/ECV-T03.html>

GTOS (2008). ECV-T9 Land cover. Assessment of the status of the development of the standards for the terrestrial essential climate variables. GTOS 64. <http://www.fao.org/gtos/doc/ECVs/T09/T09.pdf>

GTOS (2008). ECV-T12 Biomass. Assessment of the status of the development of standards for the terrestrial essential climate variables. GTOS 67. <http://www.fao.org/gtos/doc/ECVs/T12/T12.pdf>

GTOS (2008). ECV-T13 Fire - fire disturbance. Assessment of the status of the development of the standards for the terrestrial essential climate variables. GTOS 68.
<http://www.fao.org/gtos/doc/ECVs/T13/T13.pdf>

Gurran, N. et al. (2011). Planning for climate change adaptation in Coastal Australia: State of Practice. University of Sydney.
<http://www.seachange-taskforce.org.au/Publications/Planning%20for%20climate%20change%20in%20coastal%20Australia%20%20State%20of%20Practice.pdf>

Husband, R. (2010). EUGENE climate status quo report.
<http://www.ukeofof.org.uk/documents/20100909-eugene-climate-status-quo-report.pdf>

IPCC (2012). Summary for policymakers. In: Managing the risks of extreme events and disasters to advance climate change adaptation. [Field, C.B., V. Barros, T.F. Stocker, D. Qin, D.J. Dokken, K.L. Ebi, M.D. Mastrandrea, K.J. Mach, G.-K. Plattner, S.K. Allen, M. Tignor, and P.M. Midgley (eds.)]. A Special Report of Working Groups I and II of the Intergovernmental Panel on Climate Change. Cambridge University Press, Cambridge, UK, and New York, NY, USA, pp. 1-19.
<http://ipcc-wg2.gov/SREX/report/> both summary and complete report

IPCC data distribution centre: <http://www.ipcc-data.org/>

► Climate change

Janetos, A.C. (2007). Climate change, remote sensing and monitoring from space. Presentation EastFire Conference, George Mason University.

http://eastfire.gmu.edu/efc07/homemain_files/PDF_EFC2007/P2/P2.1.1_Anthony%20Janetos.pdf

Laake, P. van, Karky, B., Skutsch, M. (2008). Community forestry as a requisite for REDD.

<http://www.communitycarbonforestry.org/NewPublications/Paper%20Van%20Laake%20et%20al.pdf>

McCall, M. and Peters-Garin, G. (2011). Community methodology. Smartphones and FOSS make data collection cost-effective for forest communities. CTA, ICTUpdate, issue 59, April 2011.

http://ictupdate.cta.int/content/download/28979/188867/file/ICTU59_CommunityForestry_EN.pdf

McCullen, C.P., Jabbour, J. (eds) (2009). Climate change science compendium 2009. UNEP.

http://www.unep.org/pdf/ccScienceCompendium2009/cc_ScienceCompendium2009_full_en.pdf

Minchin, S. (2011). Critical datasets & potential new tools for detection of climate impact on the water cycle. Presentation.

http://www.earthobservations.org/documents/meetings/201102_ipcc_geoss/19_IPCC_GEOSS_Minchin.ppt

Mitchell, D. et al. (2011). Land administration options for projects involving payments for carbon sequestration. FIG working week 2011, Marrakech.

http://www.fig.net/pub/fig2011/papers/ts06c/ts06c_mitchell_zevenbergen_et_al_5044.pdf

NOAA (2013). NOAA RISA 2012 annual report.

<http://cpo.noaa.gov/Home/AllNews/TabId/315/ArtMID/668/ArticleID/89/NOAA-RISA-2012-Annual-Report-now-available-online.aspx>

NOAA (2012). NOAA RISA 2011 annual report.

<http://cpo.noaa.gov/Home/AllNews/TabId/315/ArtMID/668/ArticleID/39/NOAA-RISA-2011-Annual-Report-now-available-online.aspx>

OECD (2008). Space technologies and climate change, implications for water management, marine resources and maritime transport.

http://www.oecd-ilibrary.org/economics/space-technologies-and-climate-change/marine-resources-and-maritime-transport-trends-and-outlook_9789264054196-4-en

Oki, T. (2011). Critical issues: gaps, shortcomings, coverage, scale and currency. Water resources, past assessments and datasets. Presentation IPCC – GEOSS workshop, Geneva, 2011.

http://www.earthobservations.org/documents/meetings/201102_ipcc_geoss/14_IPCC_GEOSS_Oki.ppt

Padgham, J. (2009). Agricultural development under a changing climate: opportunities and challenges for adaptation. World Bank Agriculture and Rural Development & Environment Departments.

http://www.dsi.gov.tr/docs/iklim-degisikligi/agricultural-development-under_a_changing_climate_wb.pdf?sfvrsn=2

► Climate change

Pulhin, J.M. et al. (2010). Capacity development on integration of science and local knowledge for climate change impacts and vulnerability assessment. APN CAPaBLE.

<http://www.apn-gcr.org/resources/archive/files/37c7190323dd1e869de49892d055c6bb.pdf>

Rientjes, T.H.M. et al. (2011). Changes in land cover, rainfall and stream flow in Upper Gilgel Abbay catchment, Blue Nile basin – Ethiopia. *Hydrology and earth system sciences* 15.

<http://www.hydrol-earth-syst-sci.net/15/1979/2011/hess-15-1979-2011.html>

Running, S.W. (2011). Global biophysical datasets from NASA missions. Presentation IPCC – GEOSS workshop, Geneva, 2011.

http://www.earthobservations.org/documents/meetings/201102_ipcc_geoss/23_IPCC_GEOSS_Running.ppt

Shapiro, M. et al. (2010). An Earth-System Prediction Initiative for the Twenty-First Century. *Bull. Amer. Meteor. Soc.* October 2010.

http://www.iapmw.unibe.ch/teaching/vorlesungen/atmospheric_dynamics/wetter2010bams.pdf

START (2012). Biodiversity conservation under a changing climate – building capacity for sustaining ecosystem services in the Albertine Rift. <http://start.org/download/publications/biodiversity2012.pdf>

START (2012). Challenges and prospects for REDD+ in Africa. GLP report no. 5.
http://www.start.org/Publications/REDD_Report.pdf

START (2011). Enhancing scientific capacity to inspire informed action on global environmental change. Brochure. <http://start.org/download/publications/start11-web.pdf>

Stubenrauch, C., Rossow, W., Kinne, S. (2012). Assessment of global cloud datasets from satellites. A project of the World Climate Research Programme Global Energy and Water Cycle Experiment (GEWEX) Radiation Panel. http://www.wcrp-climate.org/documents/GEWEX_Cloud_Assessment_2012.pdf

Trines, E. et al (2006). Integrating agriculture, forestry and other land use in future climate regimes: methodological issues and policy options. Climate change scientific assessment and policy analysis, Netherlands Environmental Assessment Agency.

<http://www.rivm.nl/bibliotheek/rapporten/500102002.pdf>

UNDP, UNEP (2011). Mainstreaming climate change adaptation into development planning: a guide for practitioners. UNDP-UNEP poverty–environment initiative.
http://www.undp.org/content/undp/en/home/librarypage/environment-energy/climate_change/adaptation/mainstreaming_climatechangeadaptationintodevelopmentplanninggui/

UNEP (2008). Kick the habit: a UN guide to climate neutrality.
<http://www.unep.org/publications/ebooks/kick-the-habit/>

UNFCCC (2007). Climate change: impacts, vulnerabilities and adaptation in developing countries.
<http://unfccc.int/resource/docs/publications/impacts.pdf>

► Climate change

UN System CEB (2008). Acting on climate change: the UN system delivering as one.
<http://www.iadb.org/intal/intalcdi/PE/2011/08369.pdf>

USDA Forest Service (2010). National roadmap for responding to climate change (USA).
www.fs.fed.us/climatechange/pdf/roadmap.pdf

Viana, V.M. et al. (2012). REDD+ and community forestry: lessons learned from an exchange of Brazilian experiences with Africa. World Bank.
http://siteresources.worldbank.org/EXTSDNET/Resources/REDD+_and_Community_Forestry.pdf

Watson, C. (2009). Forest carbon accounting, overview and principles. UNDP, UNEP.
http://content.undp.org/go/cms-service/download/asset/?asset_id=2108738

WCRP (2011). Monsoon factsheet.
http://www.wcrp-climate.org/documents/monsoon_factsheet.pdf

WCRP (2010). Global sea-level rise update.
http://www.wcrp-climate.org/documents/sea_level_4page_web_EN-1.pdf

WCRP (2009). The world climate research programme achievements – scientific knowledge for climate adaptation, mitigation and risk management. WMO/TD no. 1499.
<http://www.wcrp-climate.org/documents/AR2009.pdf>

WCRP (2009). WCRP implementation plan 2010 - 2015. WMO/TD no. 1503.
http://www.wcrp-climate.org/documents/WCRP_IP_2010_2015.pdf

Wielhaar, N. and Vissers, M. (2011). Monitoring of tropical forests and agricultural areas with radar. Presentation SarVision TWA/NSO seminar.
https://www.agentschapnl.nl/sites/default/files/bijlagen/2011_05_TWA_NS0%20Seminar_Sarvision_Wielhaar.pdf

Wiggins, S. (2009). Climate change and environmental degradation risk and adaptation assessment – an environmental tool for agencies in developing countries. Tearfund.
<http://tilz.tearfund.org/webdocs/Tilz/Topics/Environmental%20Sustainability/CEDRA%20D5.pdf>

WMO (2011). Climate knowledge for action, a global framework for action – empowering the most vulnerable. WMO no. 1065. www.wmo.int/hlt-gfcs/downloads/HLT_book_full.pdf

WMO (2009). Guidelines on analysis of extremes in a changing climate in support of informed decisions for adaptation. WMO-TD no. 1500, climate data and monitoring WCDMP no. 72.
http://www.wmo.int/datastat/documents/WCDMP_72_TD_1500_en_1_1.pdf

WMO (2005). Climate and land degradation. WMO no. 989.
<http://www.wmo.int/pages/themes/wmoprod/documents/WM0989E.pdf>

► Climate change

World Bank (2011). Climate Change Adaptation and Natural Disasters Preparedness in the Coastal Cities of North Africa. Adaptation and resilience – action plans for Alexandria, Casablanca and Tunis. Bonn, 2011. Presentation.

http://resilient-cities.iclei.org/fileadmin/sites/resilient-cities/files/Resilient_Cities_2011/Presentations/F/F4_Multiple_Presenters.pdf

World Bank (2010). Mainstreaming adaptation to climate change in agriculture and natural resources management projects. Guidance Notes.

<http://siteresources.worldbank.org/EXTTOOLKIT3/Resources/3646250-1250715327143/GN8.pdf>

Wunder, S., Borner, J., Reimer, F. (2010). REDDimpact – retrospective before and after impact evaluation of incentive-based REDD instruments in the Brazilian Amazon. CIFOR project office Brazil.

http://www.planet-action.org/automne_modules_files/polyProjects/public/r8347_93_progress_report_cifor_brazil_2010_planet_action_31_01_2011_.pdf

Presentation: http://www.planet-action.org/automne_modules_files/standard/public/p191_5c4f0bfe651962d8e650964299e03aed111010_Presentation_Reimer_Paris_Juma_Brazil-v4.pdf

NOT FOR FREE

Bennett, R. et al. (2012). Using digital globes to visualize climate change impact. Advances in Geo-Spatial Information Science, June 2012.

<http://www.crcpress.com/product/isbn/9780415620932>

McCall, M.K. (2011). Local participation in mapping, measuring and monitoring for community carbon forestry. Chapter from Community forest monitoring for the carbon market – opportunities under REDD.

Peters-Guarin, G. and McCall, M.K (2011). Participatory mapping and monitoring of forest carbon services using freeware: CyberTracker and Google Earth. Chapter from Community forest monitoring for the carbon market – opportunities under REDD.

Skutsch, M. and McCall, M.K. (2011). Why community forest monitoring? Chapter from Community forest monitoring for the carbon market – opportunities under REDD.

Related article: http://redd.ciga.unam.mx/files/inputpapers/input_paper2.pdf

Verplanke, J. and Zuhabu, E. (2011). A field guide for community forest carbon mapping. Chapter from Community forest monitoring for the carbon market – opportunities under REDD.

Zhong, L. et al. (2011). Accelerated changes of environmental conditions on the Tibetan Plateau caused by climate change. Journal of Climate, volume 24.

<http://journals.ametsoc.org/doi/abs/10.1175/JCLI-D-10-05000.1>