

Capacity building references

Abrams, M. et al. *ASTER user handbook – Version 2*. Jet Propulsion Laboratory.

http://asterweb.jpl.nasa.gov/content/03_data/04_Documents/aster_user_guide_v2.pdf

African Capacity Building Foundation (2014). *Africa capacity report 2012 - Capacity imperatives for regional integration in Africa*.

<http://www.acbf-pact.org/sites/default/files/Africa-Capacity-Report-2014.pdf>

African Capacity Building Foundation (2013). *Africa capacity indicators 2013 - Capacity development for natural resource management*.

<http://www.acbf-pact.org/sites/default/files/Africa%20Capacity%20Report%202013.pdf>

African Capacity Building Foundation (2012). *Africa capacity indicators 2012 - Capacity development for agricultural transformation and food security*.

<http://allafrica.com/download/resource/main/main/idatcs/00040695:c2af8c71c03a4f9ea173137e4e55f159.pdf>

African Capacity Building Foundation (2011). *Africa capacity indicators 2011 -Capacity development in fragile states*.

http://www.capacity.org/capacity/export/sites/capacity/documents/topic-readings/aci_report_09_02_2011.pdf

Akinyede, J.O. and Adepoju, K.A. (2010). *Prospects and challenges of building capacity for space science and technology development in Africa*. ISPRS Commission VI mid-term symposium, Enschede.

http://www.isprs.org/proceedings/xxxviii/part6/papers/Akinyede/ISPRS_ITC_AKINYEDE_2010.pdf

Atilola, O. (2007). *Geo-information, employment and knowledge economy in Africa*. Presentation. CODI-V, Addis Ababa.

http://repository.uneca.org/bitstream/handle/10855/3944/bib.%2030094_1.pdf?sequence=1

Australian Academy of Science, Australian Academy of Technological Sciences and Engineering (2009). *An Australian strategic plan for Earth Observations from space*.

<http://www.science.org.au/sites/default/files/user-content/eosfinal.pdf>

Bakker de, M. (2010) *25 Years of experience with “cross-border” geo-information education. How can we improve?* ISPRS Commission VI mid-term symposium, Enschede.

http://www.isprs.org/proceedings/XXXVIII/part6/papers/De%20Bakker/ISPRS_MarinusdeBakker_article.pdf

Baser H., Morgan, P. et al. (2008). *Capacity, change and performance. Study report*. European Centre for Development Policy Management.

<http://ecdpm.org/publications/capacity-change-performance-study-report/>

Biodiversity Information Facility. *Remote sensing resources*.

http://biodiversityinformatics.amnh.org/index.php?section_id=6

Blokland, M.W., Alaerts, G.J., Kaspersma, J.M., Hare, M. (Editors), (2009). *Capacity development for improved water management*. UNW-DPC, UNESCO-IHE.
[http://www.gwp.org/Global/ToolBox/References/Capacity%20Development%20for%20Improved%20Water%20Management%20\(UNESCO-IHE,UNW-DPC,%202009\).pdf](http://www.gwp.org/Global/ToolBox/References/Capacity%20Development%20for%20Improved%20Water%20Management%20(UNESCO-IHE,UNW-DPC,%202009).pdf)

Bloom, E., Reeves, M., Leonard, A. (2009). *The network value chain*. Capacity development briefs, no. 30. World Bank Institute.
<http://siteresources.worldbank.org/INTCDRC/Resources/CDBrief30.pdf>

Brown, G. (2011). *Education for all: Beating poverty, unlocking prosperity*.
http://campaignforeducation.org/docs/reports/brown/EFA%20Report_lores_FIN.pdf

Caetano, M. (2009). *LULC applications – ESA advanced training course on remote sensing applications*.
http://earth.eo.esa.int/landtraining09/Day0_Intro_1730_1800.pdf

Deshogues, A. and Gilliéron, P.Y. (2010). *Enhancement of E-learning in geomatics by the integration of dynamic mathematics tools*. ISPRS Commission VI mid-term symposium, Enschede, 2010.
http://www.isprs.org/proceedings/xxxviii/part6/papers/Arnaud/art_ISPRS_EPFL_20100503.pdf

ENDORSE dissemination material
<http://www.endorse-fp7.eu/dissemination>

ENERGEO knowledge portal
<http://energeo.researchstudio.at/energeo/catalog/main/home.page>

Envirogrids. *Bringing GEOSS services into practice*.
http://www.envirogrids.net/index.php?option=com_content&view=article&id=67&Itemid=80

EOMINERS material for download
http://www.eo-miners.eu/additional_material/am_introduction.htm

EOPOWER (2015). *Capitalising on the power of Earth observation for economic development*.
http://www.eopower.eu/downloads/EOPOWER_popular_final_report.pdf
http://www.hcpinternational.com/afbeeldingen/eopower/EOPOWER_popular_final_report.pdf

ESA. *Learn EO! - Learn earth observation with ESA*.
<http://www.learn-eo.org>

EuropeAid (2005). *Institutional assessment and capacity development: Why, what and how? Tools and methods series, reference document no. 1*. European Commission.
http://ec.europa.eu/europeaid/multimedia/publications/documents/tools/europeaid_institutional_assessment_capacity_development_2006_en.pdf

Fairbairn, D. and Fraser, D. (2010). *The role of international geomatics organisations in the promotion of continuing professional development (CPD)*. ISPRS Commission VI mid-term symposium, Enschede, 2010.
http://www.isprs.org/proceedings/xxxviii/part6/papers/fairbairn/final_fairbairn_fraser_paper.pdf

GEO (2014). *Group on Earth Observations (GEO) 2012 - 2015 Work Plan-annual update*. GEO X.
ftp://ftp.earthobservations.org/GEO-X/GEO-X_10_GEO%202012-2015%20Work%20Plan%20Update.pdf

GEO (2007). *Mobilizing resources for implementing GEOSS; the Seville roadmap*. GEO IV.
https://www.earthobservations.org/documents/geo_iv/23_Mobilizing%20resources%20for%20implementing%20GEOSS_The%20Seville%20Roadmap.pdf

GEONetCab (2013). *Marketing of earth observation products and services, part #2*.
<http://www.eopower.eu/docs/marketing2.pdf>

GEONetCab (2011). *Marketing of earth observation products and services, part #1*.
<http://www.eopower.eu/docs/marketing1.pdf>

GEONetCab (2011). *Inventory of the current situation, identification of opportunities and bottlenecks – French-speaking African countries context*.
<http://www.geonetcab.eu/index.php/regional-case-studies>

GEONetCab (2011). *Inventory of the current situation, identification of opportunities and bottlenecks – Polish context*.
<http://www.geonetcab.eu/index.php/regional-case-studies>

GEONetCab (2011). *Inventory of the current situation, identification of opportunities and bottlenecks – SADC context*.
<http://www.geonetcab.eu/index.php/regional-case-studies>

GEONetCab (2011). *Inventory of the current situation, identification of opportunities and bottlenecks – The Czech Republic context*.
<http://www.geonetcab.eu/index.php/regional-case-studies>

Grindgis (2015). *Know basics of remote sensing quickly and become expert*.
<http://grindgis.com/what-is-remote-sensing/know-basics-of-remote-sensing>

Hazarika, M.K. et al. (2010). *Capacity building in applications of remote sensing and GIS for disaster management*. ISPRS Commission VI mid-term symposium, Enschede.
http://www.isprs.org/proceedings/xxxviii/part6/papers/Hazarika_Senevirathne/Paper.pdf

Horton, D. (2002). *Planning, implementing, and evaluating capacity development*. ISNAR briefing paper 50.
<http://preval.org/files/2105.pdf>

Ikhuoria, I.A. (2010). *RECTAS: Strategies and synergy of accomplishing objectives, vision and collaborative research*. ISPRS Commission VI mid-term symposium, Enschede.
[http://www.isprs.org/proceedings/xxxviii/part6/papers/Ikhuoria/Full%20Paper%20for%20ISPRS%](http://www.isprs.org/proceedings/xxxviii/part6/papers/Ikhuoria/Full%20Paper%20for%20ISPRS%20)

IMPACTMIN e-training programme.
<http://impactmin.geonardo.com/>

ISPRS education links to tutorials on remote sensing.

<http://www.isprs.org/education/tutorials.aspx>

ITC (2015). *Use of active earth observation systems for agricultural monitoring - Monitoring and identification of crop areas using hyper temporal low resolution images*. Course.

<http://menhir.itc.utwente.nl:5000/fbsharing/KGKOZXKU>

ITC (2015). *Earth observation for biodiversity conservation – Land cover mapping for biodiversity conservation*. Course.

<http://menhir.itc.utwente.nl:5000/fbsharing/KGKOZXKU>

ITC (2015). *From cloud top temperature to rainfall – Blending TRMM and MSG*. Course.

<http://menhir.itc.utwente.nl:5000/fbsharing/KGKOZXKU>

ITC (2015). *Earth observation for forest biomass and carbon mapping – Case study: Afram Headwaters Forest Reserve, Ghana*. Course.

<http://menhir.itc.utwente.nl:5000/fbsharing/KGKOZXKU>

ITC (2015). *Use of active earth observation systems for flood hazard assessment – Examples of flood extent mapping using space-borne RADAR and air-borne LIDAR*. Course.

<http://menhir.itc.utwente.nl:5000/fbsharing/KGKOZXKU>

ITC (2015). *Visual interpretation of landslides using earth observation - Case study: Nehoiu area, Buzau County, Romania*. Course.

<http://menhir.itc.utwente.nl:5000/fbsharing/KGKOZXKU>

ITC (2007). *Recognition of cross-border capacity building in earth observation*. Report of the executive seminar, ITC, Enschede.

<http://www.oosa.unvienna.org/pdf/publications/itc-xsum2007E.pdf>

Ivanova, I. et al. (2010). *Developing a distance education programming skills course for geo-Information sciences and earth observation students*.

http://www.isprs.org/proceedings/xxxviii/part6/papers/ivanova/isprs_ivanovaetal.pdf

Kastler, T. and Grendus, B. (2010). *Efficient communication strategies for online training in geo-informatics*. ISPRS Commission VI mid-term symposium, Enschede.

http://www.isprs.org/proceedings/xxxviii/part6/papers/Kastler/ISPRS2010_Kastler_Grendus.pdf

Kufoniyi, O. (2010). *Cross-border education: experiences and challenges*. ISPRS Commission VI mid-term symposium, Enschede.

[http://www.isprs.org/proceedings/xxxviii/part6/papers/Kufoniyi/KufoniyiTCVI2010SymposiumPaper\[1\].pdf](http://www.isprs.org/proceedings/xxxviii/part6/papers/Kufoniyi/KufoniyiTCVI2010SymposiumPaper[1].pdf)

Malhotra, R. et al. (2010). *The role of geospatial associations in promoting the profession to young people*. ISPRS Commission VI mid-term symposium, Enschede.

http://www.isprs.org/proceedings/xxxviii/part6/papers/Malhotra/FULL_PAPER.pdf

MetEd lessons and resources.

https://www.meted.ucar.edu/training_detail.php

Mgendi, M.F. (2010). *Introducing web-based Elearning platform at an African university*. ISPRS Commission VI mid-term symposium, Enschede.

[http://www.isprs.org/proceedings/xxxviii/part6/papers/Mgendi/Mgendi_ISPRS_VI_symposium\[1\].pdf](http://www.isprs.org/proceedings/xxxviii/part6/papers/Mgendi/Mgendi_ISPRS_VI_symposium[1].pdf)

Missika-Wierzba, B. and Nelson, M. (2006). *A revolution in capacity development? Africans ask tough questions*. Capacity development briefs, no. 16. World Bank Institute.

<http://siteresources.worldbank.org/INTCDRC/Resources/CDBrief16.pdf>

Molenaar, M. and Mannaerts, C. (2008). *Capacity building networks for Earth observation and GEO-ICT*. ISPRS, Beijing.

http://www.isprs.org/proceedings/XXXVII/congress/6a_pdf/3_WG-VI-3/01.pdf

Morales, J. et al. (eds) (2011). *Handbook of satellite remote sensing image interpretation: Applications for marine living resources conservation and management*. IOCCG, FARO.

http://www.ioccg.org/handbook/IOCCG_handbook_final.pdf

Morgan, P. (2006). *The concept of capacity*. European Centre for Development Policy Management.

http://lencd.com/data/docs/115-The%20concept%20of%20capacity_Draft%20version.pdf

Morgan, P. (1997). *The design and use of capacity development indicators*. CIDA.

<http://www.oecd.org/development/governance-development/1919953.pdf>

NASA. *Landsat 7 science data users handbook*.

http://landsathandbook.gsfc.nasa.gov/pdfs/Landsat7_Handbook.pdf

NASA. *The remote sensing tutorial – What you can learn from sensors on spacecraft that look inward at the earth and outward at the planets, the galaxies and, going back in time, the cosmos*.

<http://www.fas.org/irp/imint/docs/rst/>

Natural Resources Canada. *Fundamentals of remote sensing*.

http://www.ldeo.columbia.edu/res/fac/rsvlab/fundamentals_e.pdf

<http://www.nrcan.gc.ca/earth-sciences/geomatics/satellite-imagery-air-photos/satellite-imagery-products/educational-resources/9309>

<http://www.nrcan.gc.ca/earth-sciences/geography-boundary/remote-sensing/fundamentals/1430>

Nelson, M. (2006). *Does training work? Re-examining donor-sponsored training programs in developing countries*. Capacity development briefs, no. 15. World Bank Institute.

<http://siteresources.worldbank.org/INTCDRC/Resources/CDBrief15.pdf>

OECD (2011). *Capacity development in aid business processes: Getting it right!* Issues brief 9.

<http://www.oecd.org/development/governance-development/46883180.pdf>

OECD / DAC Capacity Development Team (2009). *Inventory of donor approaches to capacity development: What we are learning*.

http://www.deza.admin.ch/ressources/resource_en_202116.pdf

OECD (2006). *The challenge of capacity development: Working towards good practice*.
<http://www.oecd.org/dataoecd/4/36/36326495.pdf>

Ortiz, A. and Taylor, P. (2009). *Learning purposefully in capacity development. Why, what and when to measure?* Institute of Development Studies.
http://www.iiep.unesco.org/fileadmin/user_upload/Cap_Dev_Rethinking/pdf/Learning_purposefully.pdf

Paresi, C. and de Vries, W.T. (2010). *E-delivery of education services as enabling factor for worldwide network of academic partners in land administration*. ISPRS Commission VI mid-term symposium, Enschede.
http://www.isprs.org/proceedings/xxxviii/part6/papers/Paresi/Paresi-de_Vries_2010-E-delivery_of_module_LII_-_ISPRS_-_30_april.pdf

Parkinson, C. et al (2006). *Earth science reference handbook - A guide to NASA's earth science program and earth observing satellite missions*. NASA.
<http://atrain.nasa.gov/publications/2006ReferenceHandbook.pdf>

Potten, D. (2008). *Learning by doing: the Japanese PHRD fund and capacity development*. Capacity development briefs, no. 27. World Bank Institute.
<http://siteresources.worldbank.org/INTCDRC/Resources/CDBrief27.pdf>

Pycroft, C. and Butterworth, R. (2005). *Where capacity is not the only problem, moving from generic capacity building to support for issues-based change in Nigeria*. Capacity development briefs, no. 12. World Bank Institute.
<http://siteresources.worldbank.org/INTCDRC/Resources/CDBrief12.pdf>

Raju, P.L.N. and Dadhwal, V.K. (2010). *IIRS perspective on lessons from implementation of a cross-border joint education program*. ISPRS Commission VI mid-term symposium, Enschede.
<http://www.isprs.org/proceedings/xxxviii/part6/papers/Raju/Extended%20Abstract%20ISPRS%20VI%20mld%20symposium%20Jun2-4%2010%20final.pdf>

Raju, P.L.N. and Dadhwal, V.K. (2010). *EDUSAT based distance learning program in remote sensing, GIS and GPS; sharing experiences of IIRS, India*. Extended abstract.
<http://www.isprs.org/proceedings/xxxviii/part6/papers/Keynote/EDUSAT%20based%20Distance%20Learning%20Program%20of%20IIRS.pdf>

Rashed, T. and Jürgens, C. (eds.) (2010). *Remote sensing of urban and suburban areas*. Remote Sensing and Digital Image Processing, volume 10.
http://geomapia.org/pichost/images.php/i2310_Remote.Sensing.Urban.Suburban.Areas.Digital.Image.Processing.1402043716.pdf

Rip, F.I. and van Lammeren, R.J. (2010). *Mapping geo-information education in Europe*. ISPRS Commission VI mid-term symposium, Enschede.
http://www.isprs.org/proceedings/xxxviii/part6/papers/Rip/Rip_vLammeren.pdf

SEOS tutorials.

http://lms.seos-project.eu/learning_modules#

Srinivasan, S. *Introduction to remote sensing*. Center for Geographic Analysis.

http://cga-download.hmdc.harvard.edu/publish_web/GIS_Training_Workshops/Remote_Sensing/Remote_Sensing_Workshop.pdf

Sutton, T. et al. (2009). *A gentle introduction to GIS brought to you with Quantum GIS, a free and open source software GIS application for everyone*.

<http://linfiniti.com/dla/AGentleIntroductionToGIS.pdf>

http://download.osgeo.org/qgis/doc/manual/qgis-1.0.0_a-gentle-gis-introduction_en.pdf

Taylor, P. and Clarke, P. (2007). *Capacity for a change*. 'Capacity collective' workshop, Sussex. Institute for Development Studies.

<https://www.ids.ac.uk/download.cfm?objectid=456BA9B9-5056-8171-7BBB27A4AD1BA4B5>

Tejasvi, A. (2007). *South-South capacity development: The way to grow?* Capacity development briefs, no. 20. World Bank Institute.

<https://openknowledge.worldbank.org/bitstream/handle/10986/9581/389160Capacity0D0Brief02001PUBLIC1.pdf?sequence=1>

Thomas, V. (2006). *Linking individual, organizational and institutional capacity building to results*. Capacity development briefs, no. 19. World Bank Institute.

<http://siteresources.worldbank.org/INTCDRC/Resources/CDBrief19.pdf>

Tuohy, M. (2010). *A web-enabled remote sensing and GIS course for extramural students*. ISPRS Commission VI mid-term symposium, Enschede.

[http://www.isprs.org/proceedings/xxxviii/part6/papers/Tuohy/ISPRS_CVI_Tuohy\[1\].pdf](http://www.isprs.org/proceedings/xxxviii/part6/papers/Tuohy/ISPRS_CVI_Tuohy[1].pdf)

UNCTAD (2014). *Economic development in Africa, report 2014; Catalysing investment for transformative growth in Africa*.

http://unctad.org/en/PublicationsLibrary/aldcafrica2014_en.pdf

UNCTAD (2013). *Economic development in Africa, report 2013; Intra-African trade: Unlocking private sector dynamism*.

http://unctad.org/en/PublicationsLibrary/aldcafrica2013_en.pdf

UNCTAD (2012). *Economic development in Africa, report 2012; Structural transformation and sustainable development in Africa*.

http://unctad.org/en/PublicationsLibrary/aldcafrica2012_embargo_en.pdf

UNCTAD (2011). *Economic development in Africa, report 2011; Fostering industrial development in Africa in the new global environment*.

http://unctad.org/en/Docs/aldcafrica2011_en.pdf

UNCTAD (2010). *Economic development in Africa, report 2010; South-South cooperation: Africa and the new forms of development partnership.*

http://unctad.org/en/Docs/aldcafrica2010_en.pdf

UNDP (2014). *Human Development Report 2014; Sustaining human progress: Reducing vulnerabilities and building resilience.*

<http://hdr.undp.org/sites/default/files/hdr14-report-en-1.pdf>

UNDP (2010). *Human Development report; the real wealth of nations – Pathways to Human Development.*

http://hdr.undp.org/sites/default/files/reports/270/hdr_2010_en_complete_reprint.pdf

UNDP (2009). *Supporting capacity development; the UNDP approach.*

http://www.undp.org/content/dam/aplaws/publication/en/publications/capacity-development/support-capacity-development-the-undp-approach/CDG_Brochure_2009.pdf

UNDP (2008). *Capacity assessment practice note.*

<http://www.undp.org/content/dam/aplaws/publication/en/publications/capacity-development/capacity-assessment-practice-note/Capacity%20Assessment%20Practice%20Note.pdf>

UNDP (2008). *Capacity assessment methodology; users guide.* Capacity Development Group, Bureau for Development Policy.

<http://www.undp.org/content/dam/aplaws/publication/en/publications/capacity-development/undp-capacity-assessment-methodology/UNDP%20Capacity%20Assessment%20Users%20Guide.pdf>

UNDP (2007). *Capacity assessment methodology; users guide.* Capacity Development Group, Bureau for Development Policy.

http://europeandcis.undp.org/uploads/public/File/Capacity_Development_Regional_Training/UNDP_Capacity_Assessment_Users_Guide_MAY_2007.pdf

UNESCO (2005). *IOC principles and strategy for capacity building.* Intergovernmental Oceanographic Commission.

<http://unesdoc.unesco.org/images/0018/001889/188944e.pdf>

USGS (2011). *Tracking change over time.*

<http://pubs.usgs.gov/gip/133/pdf/>

Vega, M.Y. (2009). *The CHANGE approach to capacity-building assistance.* AIDS education and prevention, 21, supplement B, p 137 – 151, 2009.

http://guilfordjournals.com/doi/pdf/10.1521/aeap.2009.21.5_supp.137

Vekerdy, Z. et al. (2010). *TIGER capacity building facility: Growing from projects to professional community.* ISPRS Commission VI mid-term symposium, Enschede.

http://www.isprs.org/proceedings/xxxviii/part6/papers/Vekerdy/2010%20Vekerdy%20etal_TBCF%20growing%20from%20projects%20to%20professional%20community_abstract.pdf

Westerbeek, H. (2010). *Go GEO!!* ISPRS Commission VI mid-term symposium, Enschede.
http://www.isprs.org/proceedings/xxxviii/part6/papers/Westerbeek/Go%20Geo%20full%20paper_rev%20_2_.pdf

World Bank Institute (2011). *Steps for designing a results-focused capacity development strategy. A primer for development practitioners based on the capacity development and results framework.*
http://www.capacity.org/capacity/export/sites/capacity/documents/topic-readings/Steps_for_Designing_a_Results-Focused_Capacity_Development_Strategy.pdf

World Bank Institute (2011). *The art of knowledge exchange, a results-focused planning guide for development practitioners.*
http://wbi.worldbank.org/wbi/Data/wbi/wbicms/files/drupal-acquia/wbi/The_Art_of_Knowledge_Exchange_revised.pdf

World Bank (2008). *Using training to build capacity for development, an evaluation of the World Bank's project-based and WBI training.*
http://siteresources.worldbank.org/EXTTRABUICAPDEV/Resources/full_doc.pdf