

Crop modelling

AGRICAB: <http://www.agricab.info>

Baethgen, W. et al. (2008). Contributions of agricultural systems modeling to weather index insurance. http://portal.iri.columbia.edu/~deo/insurance_class_reading/Contributions%20of%20Agricultural%20Systems%20Modeling%20to%20Weather%20Index%20Insurance.pdf

Becker-Reshef, I. et al. (2010). Monitoring global croplands with coarse resolution earth observations: the global agriculture monitoring (GLAM) project. Remote Sensing. <http://www.mdpi.com/2072-4292/2/6/1589/>

Bie, C.A.J.M. de, Venus, V., Skidmore, A.K. (2011). Improved mapping and monitoring with hyper-temporal imagery. http://intranet.itc.nl/papers/2011/conf/debie_imp.pdf

Bie, K. de, Veen, A. van der (2011). Combining time and space info through remote sensing to predict crop performance. Presentation. <http://www.itc.nl/Pub/NRS/NRS-Output.html?l=8&y=2011&d=NRS>

Bielza Diaz-Caneja, M., Conte, C.G., Catenaro, M., Gallego Pinilla, J., (2008). Agricultural insurance schemes - final deliverable. JRC. http://ec.europa.eu/agriculture/analysis/external/schemes2/report_en.pdf

Brown, M.E., Osgood, D.E., Carriquiry, M.A. (2011). Science-based insurance. Nature Geoscience, vol. 4, 2011. <http://www.nature.com/ngeo/journal/v4/n4/full/ngeo1117.html>

Brown, M.E., Hintermann, B., Higgins, D. (2009). Markets, climate change and food security in West Africa. Environmental science and technology. <http://pubs.acs.org/doi/abs/10.1021/es901162d>

Brown, M.E., Pinzon, J.E., Prince, S.D. (2008). Using satellite remote sensing data in a spatially explicit price model. Land Economics, vol. 84, issue 2. <http://le.uwpress.org/content/84/2/340.refs>

Brown, M.E., Pinzon, J.E., Prince, S.D., (2006). The effect of vegetation productivity on millet prices in the informal markets of Mali, Burkina Faso and Niger. Climatic change <http://www.springerlink.com/content/r79446697554468k/fulltext.pdf?MUD=MP>

Burke, M., Janvry, A. de, Quintero, J. (2009). Providing index-based agricultural insurance to small-holders: recent progress and future promise. http://siteresources.worldbank.org/EXTABCDE/Resources/7455676-1292528456380/7626791-1303141641402/7878676-1306270833789/Parallel-Session-5-Alain_de_Janvry.pdf

Bydekerke, L. (2004). GMFS: enhancing food security monitoring in sub-Saharan Africa. Global Monitoring for Food Security. Presentation. <http://www.oosa.unvienna.org/pdf/sap/2004/sudan/presentations/06-01.pdf>

► Crop modelling

Chantararat, S., et al. (2011). Designing index based livestock insurance for managing asset risk in Northern Kenya. http://pdf.usaid.gov/pdf_docs/PNADU840.pdf

Chapoto, A. and Jayne, T.S. (2009). The impacts of trade barriers and market interventions on maize price predictability: evidence from Eastern and Southern Africa. MSU International Development Working Paper 102. <http://www.aec.msu.edu/fs2/papers/idwp102.pdf>

Department of Agriculture and Food, Government of Western Australia (2010). WA agriculture climate science update 2010. http://www.agric.wa.gov.au/objtwr/imported_assets/content/lwe/cli/climatesciencesummary_web.pdf

Eilerts, G. (2010). State of the art food security assessment. USAID FEWS NET. Presentation. http://transition.usaid.gov/our_work/agriculture/landmanagement/poverty/presentations/eilerts.pdf

e-LEAF (2011). e-LEAF data components. http://www.eleaf.com/downloads/get?file=eleaf_datacomponents_2011-10-06.pdf

e-LEAF. More crop per drop – the missing link. Corporate brochure. http://www.eleaf.com/downloads/get?file=eleaf_brochure_compact.pdf

FAO. GIEWS - the global information and early warning system on food and agriculture. Brochure. http://www.fao.org/giews/english/giews_en.pdf

FAO (2010). The state of food insecurity in the world – addressing food insecurity in protracted crises. <http://www.fao.org/docrep/014/i2330e/i2330e.pdf>

FAO (2008). Climate change and food security: a framework document. <http://www.fao.org/forestry/15538-079b31d45081fe9c3dbc6ff34de4807e4.pdf>

FAO (2005). “e-Agriculture”, a definition and profile of its application. Bridging the rural digital divide. <http://www.e-agriculture.org/sites/default/files/uploads/media/e-agriculture.pdf>

G20 Agriculture Ministers (2011). Action plan on food price volatility and agriculture. Ministerial declaration, meeting of G20 Agriculture Ministers, Paris, 2011. http://agriculture.gouv.fr/IMG/pdf/2011-06-23_-_Action_Plan_-_VFinale.pdf

Garrido, A. et al. (2010). Insurance as an adaptation measure to climate variability in agriculture. CEIGRAM. http://www.ceigram.upm.es/sfs/otros/ceigram/Contenido%20Divulgaci%C3%B3n/Contenido%20Publicaciones/Contenido%20Working%20Papers/CEIGRAM_WP%20N0%20002.pdf

GEO Agricultural Monitoring Community of Practice (2007). Developing a strategy for global agricultural monitoring in the framework of Group on Earth Observations (GEO) workshop report. http://www.earthobservations.org/documents/cop/ag_gams/200707_01/20070716_geo_igol_ag_workshop_report.pdf

► Crop modelling

GEO User Interface Committee (2010). Critical earth observations priorities: agriculture societal benefit area. GEO task US-09-01a. http://sbageotask.larc.nasa.gov/Agriculture_US0901a-FINAL.pdf

GlobalAgRisk (2010). State of knowledge report – data requirements for the design of weather index insurance – innovation in catastrophic weather insurance to improve the livelihoods of rural households. http://www.globalagrisk.com/Pubs/2010_GlobalAgRisk_State_of_Knowledge_Data_sept.pdf

GMFS (2011). Final Report Stage 1 and Stage 2. Global Monitoring for Food Security. http://esamultimedia.esa.int/docs/EarthObservation/GMFS_Final_Report_v5-4_2.pdf

GMFS (2009). GMFS South Sudan CFSAM support kit for JRC.
Reference no longer available

GMFS (2008). Promotion & training. Version 5.2.
http://www.gmfs.info/uk/publications/documents/GMFS_C15_trainingplan_v5.2.pdf

GMFS (2008). Core user needs and user standards dossier. Version 5.1.
http://www.gmfs.info/uk/publications/documents/GMFS_U1_v5.1.pdf

GMFS (2008). Service Operations Report Malawi 2007-2008.
http://www.gmfs.info/uk/publications/documents/GMFS_S6_MWI_v5.0.pdf

Grita, F. GIEWS workstation Global Information and Early Warning System. Presentation
http://www.earthobservations.org/documents/cop/ag_gams/200707_01/giews_workstation.pdf

Haggblade, S. (2010). Unscrambling Africa: regional requirements for achieving food security. MSU International Development Working Paper 107.
<http://www.aec.msu.edu/fs2/papers/idwp107.pdf>

Haggblade, S., Longabaugh, S., Tschirley, D. (2009). Spatial patterns of food staple production and marketing in South East Africa: implications for trade policy and emergency response. MSU International Development Working Paper 100.
<http://www.aec.msu.edu/fs2/papers/idwp100.pdf>

Haile, M. (2009). User requirements in the use of space technologies for crop monitoring and food security. WFP. GEOLAND forum 5, Berlin. Presentation.
Link no longer available.

Harvest Choice (2012). Better choices, better lives. Brochure.
<http://harvestchoice.org/sites/default/files/HarvestChoice%20%28long%2920120523.pdf>

IFAD (2010). The potential for scale and sustainability in weather index insurance for agriculture and rural livelihoods.
<http://www.ifad.org/ruralfinance/pub/weather.pdf>

► Crop modelling

IMF / World Bank (2011). Responding to global food price volatility and its impact on food security. [http://siteresources.worldbank.org/DEVCOMMINT/Documentation/22887406/DC2011-0002\(E\)Food-Security.pdf](http://siteresources.worldbank.org/DEVCOMMINT/Documentation/22887406/DC2011-0002(E)Food-Security.pdf)

Imran, M., Zurita-Milla, R., By, R. de (2011). Integrated environmental modeling- an SDI-based framework for integrated assessment of agricultural Information. AGILE 2011 http://www.gams.com/docs/contributed/sp_100.pdf

IPC (2010). How does earth observation support decision-making for food security? AAAS annual meeting, San Diego. Presentation. http://ec.europa.eu/dgs/jrc/downloads/jrc_aaas2010_earth_observation_alinovi.pdf

ISRO. Space technology enabled village resource centre (VRC) <http://www.isro.org/publications/pdf/VRCBrochure.pdf>

Iturrioz, R., (2009). Agricultural Insurance. World Bank, primer series on insurance, issue 12. http://siteresources.worldbank.org/FINANCIALSECTOR/Resources/Primer12_Agricultural_Insurance.pdf

Jayne, T.S., et al. (2010). Patterns and trends in food staples markets in Eastern and Southern Africa: toward the identification of priority investments and strategies for developing markets and promoting smallholder productivity growth. MSU International Development Working Paper no. 104. <http://www.aec.msu.edu/fs2/idwp104.pdf>

JRC (2011). MARS pasture bulletin vol. 19 no. 9 (pasture monitoring in Europe 28.06.2011). <http://mars.jrc.ec.europa.eu/mars/Bulletins-Publications/MARS-BULLETIN-Vol.19-No.-9-Pasture-monitoring-in-Europe-28.06.2011>

Laborte, A.G. et al. (2012). Rice yields and yield gaps in Southeast Asia: past trends and future outlook. European Journal of Agronomy. <http://www.sciencedirect.com/science/article/pii/S1161030111000979>

Massart, M., et al. (2010). The use of remote sensing data and meteorological information for food security monitoring, examples in East Africa. Advances in Earth Observation for Global Change, chapter 15. <http://www.springer.com/earth+sciences+and+geography/remote+sensing/book/978-90-481-9084-3>

Milesi, C. et al. (2010). Decadal variations in NDVI and food production in India. Remote sensing. <http://www.mdpi.com/2072-4292/2/3/758/>

MSU Food Security Group (2009). Lessons learned from 25 years of food security research, capacity-building, and outreach. MSU International Development Working Paper no. 101. <http://www.aec.msu.edu/fs2/idwp101.pdf>

Mude, A., et al. (2010). Project summary: index based livestock insurance for Northern Kenya's arid and semi-arid lands, the Marsabit Pilot. http://www.basis.wisc.edu/live/ilbi_summary.pdf

► Crop modelling

Patankar, M., (2011). Comprehensive risk cover through remote sensing techniques in agriculture insurance for developing countries. Research paper no. 6.

<http://www.ilo.org/public/english/employment/mifacility/download/repaper6.pdf>

Piccard, I. et al, (2010). The use of remote sensing and agrometeorological modelling for crop damage & risk assessment in support of the Belgian Calamity Fund. Belgian earth observation day 2010. Presentation. <http://eo.belspo.be/Docs/Resources/Presentations/BE0Day2010/ADASCIS.pdf>

Rosema, A., et al. (2010). FESA methodology – methodology, validation contract design. Food Early Solutions for Africa.

<http://www.agroinsurance.com/files//documents/FESA%20METHODOLOGY,%20VALIDATION,%20CONTRACT%20DESIGN.pdf>

Rudorff, B.F.T. et al. (2010). Studies on the rapid expansion of sugarcane for ethanol production in Sao Paulo State (Brazil) using Landsat data. Remote Sensing.

www.mdpi.com/2072-4292/2/4/1057/pdf

Santacroce, P. (2008). Comprehensive food security & vulnerability analysis (CFSVA) – Cambodia. WFP VAM.

<http://home.wfp.org/stellent/groups/public/documents/ena/wfp227417.pdf>

Smith, V.H. and Watts, M. (2010). Index based agricultural insurance in developing countries: feasibility, scalability and sustainability.

<http://www.agriskmanagementforum.org/farmd/sites/agriskmanagementforum.org/files/Documents/vsmith-index-insurance.pdf>

Tschirley, D., Flores, L., Mather, D. (2010). Agricultural and food security policy analysis in Central America: assessing local institutional capacity, data availability, and outcomes. MSU International Development Working Paper no. 105.

http://www.aec.msu.edu/fs2/papers/idwp105_English.pdf

USAID (2010). Special brief: revising the FEWS NET food insecurity severity scale. September 2010.

http://www.fews.net/docs/Publications/SB_FEWS%20NET%20Food%20Insecurity%20Severity%20Scale_091710.pdf

USAID (2010). Southern Africa food security outlook - January to June 2010. FEWS NET.

http://www.fews.net/docs/Publications/South_Outlook_Jan_2010_final.pdf

USDA (2010). Food security assessment, 2010-20.

<http://www.ers.usda.gov/Publications/GFA21/GFA21.pdf>

VITO et al. (2010). World Wide Watch - earth observation products for FAO operational locust habitat monitoring and for GIEWS agriculture monitoring. Belgian earth observation day.

<http://eo.belspo.be/Docs/Resources/Presentations/BE0Day2010/WWW.pdf>

► Crop modelling

Wagner, W. et al (2010). CANASAT : monitoring of the sugarcane cultivation area in South Central Brazil. ISPRS.

http://www.isprs.org/proceedings/XXXVIII/part7/b/pdf/535_XXXVIII-part7B.pdf

World Bank (2011). Market information, transparency and food price volatility. Agricultural risk management team, agriculture and rural development department. Presentation.

<http://ec.europa.eu/dgs/jrc/downloads/events/20110928-food-sec/20110928-sadler.pdf>

World Bank (2005). Managing agricultural production risk – innovations in developing countries. Agriculture and rural development department.

http://siteresources.worldbank.org/INTARD/Resources/Managing_Ag_Risk_FINAL.pdf

Wood, S. et al. (2008). Leveraging GSDI for harmonization of spatial resources in support of global agricultural development. IFPRI Harvest Choice. Presentation.

<http://www.gsdocs.org/gsdiconf/GSDI-10/slides/TS38.2.pdf>