

List of Publications

Davit Stepanyan

August, 2019

Peer-Reviewed Journal Articles

Stepanyan, Davit, Harald Grethe, and Khalid Siddig (2019). Comment on "A Monte Carlo filtering application for systematic sensitivity analysis of computable general equilibrium results". *Economics Bulletin*, Volume 39, Issue 3, pages 1925-1929

Working Papers:

Siddig, Khalid, Davit Stepanyan, Manfred Wiebelt, Tingju Zhu, and Harald Grethe (2018). Climate change and agriculture in the Sudan: Impact pathways beyond changes in mean rainfall and temperature. MENA RP Working Paper 13. Washington, DC and Cairo, Egypt: International Food Policy Research Institute (IFPRI).

<http://ebrary.ifpri.org/cdm/ref/collection/p15738coll2/id/132833>

Stepanyan, Davit (2016). From Static to Dynamic – Stochastic Agricultural Partial Equilibrium Models: the Role of Price Expectations and Stockholding. Working Paper. DOI: 10.13140/RG.2.2.29755.52001

Reports

Stepanyan, Davit (2018). Application of Gaussian Quadratures in the Global Biosphere Management Model (GLOBIOM) as an Efficient Approach to Uncertainty Analysis. International Institute for Applied Systems Analysis (IIASA), Laxenburg, Austria.

http://www.iiasa.ac.at/web/home/education/yssp/YSSP_report_Davit_Stepanyan.pdf

Conference Papers:

Stepanyan, Davit, Harald Grethe, Georg Zimmermann, Khalid Siddig, Andre Deppermann, Arndt Feuerbacher, Jonas Luckmann, Hugo Valin, Takamasa Nishizawa, Tatiana Ermolieva, and Petr Havlik (2019). Multiple Rotations of Gaussian Quadratures : An Efficient Method for Uncertainty Analyses in Large-Scale Simulation Models. Presented at the 22nd Annual Conference on Global Economic Analysis, Warsaw, Poland.

<https://www.gtap.agecon.purdue.edu/resources/download/9432.pdf>.

Luckmann, Jonas, Davit Stepanyan (2018). Water Pricing Under Climate Uncertainty – an Economy-Wide Model Considering Precipitation Stochastics. Presented at the 21st Annual Conference on Global Economic Analysis, Cartagena, Colombia.

https://www.gtap.agecon.purdue.edu/resources/res_display.asp?RecordID=5548

Stepanyan, Davit, Khalid Siddig, Harald Grethe, and Georg Zimmermann (2018). Remarks on uncertainty analysis in large-scale simulation models.

Presented at the International Conference on Economic Modeling (EcoMod 2018), Venice, Italy.

[https://editorialexpress.com/cgi-](https://editorialexpress.com/cgi-bin/conference/download.cgi?db_name=ECOMOD2018&paper_id=110)

[bin/conference/download.cgi?db_name=ECOMOD2018&paper_id=110](https://editorialexpress.com/cgi-bin/conference/download.cgi?db_name=ECOMOD2018&paper_id=110)

Siddig, Khalid, Davit Stepanyan, Tingju Zhu, Manfred Wiebelt, and Harald Grethe (2018). Beyond mean rainfall and temperature changes: distributional effects of stochastic yield variability in the Sudan. Presented at the 30th International Conference of Agricultural Economists, Vancouver, British Columbia, Canada.

[https://editorialexpress.com/cgi-](https://editorialexpress.com/cgi-bin/conference/download.cgi?db_name=ECOMOD2018&paper_id=191)

[bin/conference/download.cgi?db_name=ECOMOD2018&paper_id=191](https://editorialexpress.com/cgi-bin/conference/download.cgi?db_name=ECOMOD2018&paper_id=191)

Nishizawa, Takamasa, Arndt Feuerbacher, Davit Stepanyan, Harald Grethe (2018). Bhutan's Quest for Increased Food Self-sufficiency under Crop Yield Uncertainty: A Stochastic CGE Model Approach. Presented at the International Conference on Economic Modeling (EcoMod 2018), Venice, Italy.

[https://editorialexpress.com/cgi-](https://editorialexpress.com/cgi-bin/conference/download.cgi?db_name=ECOMOD2018&paper_id=340)

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