

Sebnem Sahin

1620 Leeds Castle Dr Vienna - VA 22182, USA

Cell: + 1 202 631 9240

E-mail: Sebnem@serapllc.com

PROFILE HIGHLIGHTS

- Economist with robust experience in Computable General Equilibrium (CGE) modelling as it applies to sustainability, climate change and international trade.
- Proven track record in high quality publications, analytical advisory services to decision makers in Eastern and Central Europe, South-East Asia; Middle East; and Africa.
- Excellent communication skills in Turkish, English, and French.

RELEVANT PROFESSIONAL EXPERIENCE

Lead Modelling Expert, International Consultant 7/2019-present

UNDP – Afghanistan

Developed a GTAP (CGE) model to support Afghanistan's attainment of Sustainable Development Goals (SDGs). Supporting Ministries of Economy and Finance on evidence-based policy advice including recovery from the current banking crisis, Corona Virus Pandemic, Climate resilience, SDG attainment, regional trade, and social protection. Lead author/modeler for the Afghanistan Rapid Appraisal (2018).

Founding Manager, Lead Development Economist 2018-present

Socio-Economic Research Applications and Projects LLC

Lead modeler for the World Bank projects in North Macedonia Green Deal and MSME Digitalization. Developed strategic policy research for: (i) World Bank Project climate change adaptation in Bulgaria (EU funded, 2018); (ii) Program for Results for Climate Resilient Inclusive COVID-19 Recovery in Jordan and Senegal (2020-21) using GTAP model. Provided real-time briefs to Ministers/ries and training services on evidence-based analysis for policy development and implementation in conflict-affected countries.

Senior Environmental Economist (staff and consultancy assignments)

The World Bank, Washington D.C.

Europe and Central Asia Region, West Africa and the Middle East Units 2018-present

Macro-economist leading the analysis for Climate Resilient Green Growth studies for Georgia and Turkey; an Assessment of Climate Change Impact on the Sava River Basin. Developed economic analysis to support Macro-economics, Trade and Innovation Global Practice's investment promotion projects for Jordan and Ethiopia. Developed GEMPACK and Gams based CGE models for these projects.

MENA Chief Economist Unit 2017

Co-author and CGE modeler for "Blueprint for Recovery and Reconstruction in Yemen" and "Peace and Recovery in the Middle East". Developed CGE analyses for several conflict countries in MENA.

South Asia Region, Environment, Climate Change, and Agriculture Units 2010-2016

Led strategic analytical work on green and climate resilient growth for India Bangladesh; Sri Lanka; and cross-border river basins in South Asia entitled "Low Water High Growth" report. Analyzed subsidy removal and its impact on the poor in Bangladesh and Pakistan using GTAP-CGE. Focal point for benchmarking and analysis to support country partnership documents.

Africa Region, Macro-Fiscal Management Unit 2009

Developed Growth Accounting and Growth Diagnostics analysis for Sao Tome and Principe as part of the Country Economic Memorandum.

Finance, Economics and Urban Department 2008

Analyzed the economic impacts of climate shocks on health using valuation techniques and economy-wide analyses on intra-regional and global trade. Drafted papers and book chapters conducted joint research with the U.N., "Natural Hazards, Un-Natural Disasters".

Latin America and the Caribbean Region, Urban unit 2007
Developed an analytical tool to forecast the fiscal impact of extreme events, which was used by the WBG, IADB, and IMF staff and the Caribbean Catastrophe Insurance Facility in pricing catastrophic insurance risk premiums.

Development Economics, Prospects Group 2006
Member of the modelling team working on the Global Economic Prospects (2007) using LINKAGES global CGE model.

Economist (Staff) 2004-2006
OECD, Paris, Environment Directorate
Co-author of the OECD Environmental Outlook (2008). Member of the modelling team working on the OECD global CGE model (ENV-LINKAGE) and climate policies in BRICS.

Consultant

Centre for International Economics (CEPII), Paris 2000-2001

Member of the FEMISE (Forum Euro-Mediterranean des Instituts des Sciences Economiques) team working on industrial competitiveness in the Mediterranean countries.

EDUCATION

Université Sorbonne, Paris, PhD in Economics (with honors) February 2004
PhD Thesis (in French): A Sustainable Development Policy Assessment for Turkey within a Regional CGE Model for Turkey (TURCO)

SELECT PUBLICATIONS and CONTRIBUTIONS TO PUBLICATIONS

UNDP (2021), [Afghanistan: Socio-Economic Outlook 2021-2022 \(undp.org\)](https://www.undp.org/publications/afghanistan-socio-economic-outlook-2021-2022)

UNDP (2020), Lead CGE modeler and author for the below Country Notes for Afghanistan:

[Economic Instability and Uncertainty in Afghanistan 9 September 2021 0.pdf \(undp.org\)](https://www.af.undp.org/content/afghanistan/en/home/library/knowledge-products/Corona-ImpactonSDGAttainment-NoteIII.html)

<https://www.af.undp.org/content/afghanistan/en/home/library/knowledge-products/Corona-ImpactonSDGAttainment-NoteIII.html>

<https://www.af.undp.org/content/afghanistan/en/home/library/knowledge-products/Afghanistan-Coronavirus-impact-Note2.html>

<https://www.af.undp.org/content/afghanistan/en/home/library/knowledge-products/Afghanistan-Coronavirus-impact-notel.html>

How Much Would Bangladesh Gain from the Removal of Subsidies on Electricity and Natural Gas? With Marinos Tsigas, Govinda Tmilsina, Sheoli Pargal. World Bank Policy Research Working Paper No 8677. 2018.

Macroeconomic Implications of Climate Change-Analysis: Bulgaria Climate Change Adaptation Report with Badri Narayanang. The World Bank. August 2018.

Handbook of Sustainable Development in Asia. Chapter 6. 2018. Routledge. New York.

Blueprint for Recovery and Reconstruction in Yemen. 2017. The World Bank.

Low Water High Growth in the South Asian Economies. The World Bank. 2017.

Managing Natural Coastal Natural Wealth in Sri Lanka for Resilient and Sustainable Livelihoods. The World Bank. 2017.

“Economic and Land Use Impacts of Improving Water Use Efficiency in Irrigation in South Asia”. 2016. With Farzad Taheripour, Tom Hertel, Badri Narayanan, Anil Markandya and Bijon Mitra, Journal of

Environmental Protection. No, 7. pp 1571-1591. 2016.

Reforming Electricity Subsidies in Pakistan: Measures to Protect the Poor. With Thomas Walker and Kristy Mayer. The World Bank. 2015.

“How to Go Green: A General Equilibrium Investigation of Environmental Policies for Sustained Growth with an Application to Turkey's Economy”. With Erinc Yeldan and Aziz Bouzaher. Letters in Spatial and Resource Sciences, March 2015, Volume 8, Issue 1, pp 49–76.

“Agricultural Policies and Trade Paths in Turkey”. With Don Larson, Will Martin, and Marinos Tsigas. World Bank Policy Research Working Paper, No 7059. 2014.

LANGUAGES

Turkish (Native), English, French.

GAMS, GEMPACK, GEMSIM, RunDyn, E-views, and GAUSS Software.

REFERENCES

Abdallah Al Dardari, UNDP Afghanistan Resident Representative, Email: Abdallah.aldardari@undp.org, Phone: + 93 728 959 560

Cem Mete, The World Bank Practice Manager, Social Protection Unit for Europe, and Central Asia, Cmete@worldbank.org, Phone: + 1 202 281 48 04

Hans Lofgren, Former World Bank, Senior CGE Modeler, Email: hanslofgren01@outlook.com, Phone: + 1 703 981 98 56.