

Stefanos Xenarios

CURRICULUM VITAE

Current Contact Details

OSCE Office in Tajikistan,
18a Ahmadi Donish Avenue,
734012,Dushanbe, Tajikistan

Personal Information

Date of Birth: 29.12.1973
Place of Birth: Athens, Greece
Nationality: Greek

Education

- 2007 PhD in Environmental Economics, *Thesis: Valuating ecological services in receiving waters of urban wastewater systems. The European Experience*, Department of Economic and Regional Development, Panteion University of Social and Political Sciences, Athens, Greece
- 2002 Postgraduate Diploma in Ecological Economics, *Dissertation: Assessing the socio-economic value of the Axios Delta river in North Greece*, School of Geosciences, University of Edinburgh, Scotland, UK
- 1997 BA in Faculty of Political Science and Public Administration, Sector: International and European Studies, National and Kapodistrian University of Athens, Greece

Awards and Distinctions

- 10/06-7/07 Intra-European European Fellowship for career Development (Marie Curie-IEF) at the Research Sustainable Institute (RSI), Leeds University, United Kingdom
- 10/95-05/96 Erasmus Grant to conduct abroad elective rotation in the University of Utrecht, Department of Social and Behavioral Sciences, The Netherlands

Professional Positions

Senior Professional

10/15-Present Organization for Security and Co-operation in Europe – OSCE, Dushanbe, Tajikistan

Researcher

11/11--09/15 Norwegian Institute for Agricultural and Environmental Research - Bioforsk, Aas, Norway

Post-Doctoral Fellow

10/08-10/11 International Water Management Institute-IWMI, East Africa and Nile Basin office, Addis Ababa, Ethiopia (2010-2011) and South Asian Sub-Region Office, New Delhi, India (2008-2009)

Research Associate

10/07-08/08 Hellenic Foundation for European & Foreign Policy-ELIAMEP, Athens, Greece
01/03-10/06 Institute of Urban and Regional Development-UEHR, Athens, Greece

Research Assistant

05/02-10/02 International Council for Local Environmental Initiatives in Europe- ICLEI, Germany
01/01-12/01 Laboratory of environmental economics, Aegean University- ENVECON, Greece
10/98-12/00 World Wide Fund for Nature-WWF, Athens, Greece

Civil Service

01/97-07/98 Hellenic Armed Air Force, Central and Southeast Greece

Professional Activities

Central Asia (Tajikistan-Afghanistan)

10/15-Present Supporting governmental authorities and civil society of Tajikistan in a) assessing climate change effects and dam safety policies in the country b) enhancing co-operation between Tajikistan and Afghanistan on river basin management approaches c) supervising feasibility studies for small hydropower plants in rural areas of Tajikistan

South Asia (India-Nepal-Pakistan-Bangladesh)

04/12-08/15 "An integrated science-stakeholder-policy approach to develop adaptation framework for water and agriculture sectors in Andhra Pradesh and Tamil Nadu states of India-ClimaAdapt", Funding: Norwegian Embassy in Delhi, India, www.climaadapt.org, *Activity: Assessing potential gender inequalities emerged from climate variability conditions (South India)*, *Means: Multivariate Statistics, Attribute Agreement Analysis*

12/11-12/14 "Sustaining rice production under climate change in Bangladesh-RiceClima, Funding: Norwegian Embassy in Dhaka, Bangladesh, <http://www.pestrisk.net/wordpress/>, *Activity: Assessment of efficient agricultural interventions and development of vulnerability index (East and South Bangladesh)*, *Means: Multicriteria with Visual Promethee 1.4, Principal Component*

10/08-12/09 "Basin Focal Project for Indus-Gangetic Basin", Funding: Challenge Program on Water and Food (CPWF), <http://cpwfbfp.pbworks.com/w/page/5926948/FrontPage>, *Activity: Assessing direct and indirect costs of agricultural water use (Pakistan, India, Nepal)*, *Means: Demand-driven costs functions*

"Sustainable Livelihood Improvement through Need Based Integrated Farming System Models in Disadvantaged Districts of Bihar", Funding: Indian Institute for Agricultural Research (ICAR), <http://www.bird-bihar.org/naip.php>, *Activity: Identifying economic implications of agricultural water to small and marginal farmers (Eastern India)*, *Means: Demand-driven cost functions, Water supply modeling*

Southeast Asia (Laos-Philippines-Indonesia)

04/04-05/06 "Feasibility study for the implementation on energy integrated urban planning (EUIP) in ASEAN cities and applicability of European approach", Funding: EUROPE-AID, <http://www.centric.at/downloads/download-publications-and-reports>, *Activity: Assessing costs of sustainable urban planning in South Asia (Vietnam, Laos and Philippines)*, *Means: Cost-Effectiveness of selected energy systems*

East and West Africa (Ethiopia-Ghana)

01/10-10/11 "Re-Thinking Water Storage for Climate Change Adaptation in Sub-Saharan Africa", Funding: Deutsche Gesellschaft für Technische Zusammenarbeit (GTZ) GmbH, <http://africastorage-cc.iwmi.org/>, *Activity: Economic assessment of water storage options (Ghana, Ethiopia)*, *Means: Electre III Outranking Multicriteria Method, AquaCrop modeling*

"Groundwater in sub-Saharan Africa: Implications for food security and livelihoods", Funding: Rockefeller Foundation, <http://gw-africa.iwmi.org/>, *Activity: Valuating drilling costs and conducting forecasting analysis (selected Sub-Saharan African countries)*, *Means: Cost disaggregation, Institutional Economics and Time series analysis*

Middle East (Egypt)

10/07-08/08 "Climate change effects in vulnerable groups with reference to women, children and environmentally forced migration", Funding: Greek Ministry of Foreign Affairs, <http://www.eliamep.gr/en/category/security-regional-developments/climate-change-and-human->

security, Activity: Technical Coordinator and conducting of compilation study in climate change and human security, Means: Categorical data classification in conceptual and qualitative terms

Europe (Greece-Austria-Italy-Germany)

- 04/04-05/06 “Feasibility study for the implementation on energy integrated urban planning (EUIP) in ASEAN cities and applicability of European approach”, Funding: EUROPE-AID, <http://www.centric.at/downloads/download-publications-and-reports>, Activity: Assessing costs of sustainable urban planning in South Asia (Vietnam, Laos and Philippines), Means: Cost-Effectiveness of selected energy systems
- 04/03-10/06 “Cost-effective development of urban wastewater systems for Water Framework Directive compliance”, Funding: Fifth Framework Research Program of European Union (FP5), http://cordis.europa.eu/projects/rcn/69082_en.html, Activity: Economic assessment of environmental services in catchments associated with wastewater systems (Greece, Austria), Means: Generic ecological-economic framework
- 01/03-10/06 “Développement d’Actions pour le Marketing et la Gestion post évènements”, Funding: INTERREG IIIB MEDOCC Programme, European Union <http://www.uib.cat/secc6/lsig/webdamage/index.html>, Activity: Assessing direct economic impacts of natural disasters (North Italy), Means: Combination of non-market and market valuation techniques
- 05/02-10/02 “Developing Institutional and Social Capacities for Urban Sustainability- DISCUS”, Funding: Fifth Framework Research Programme of European Union (FP5), <http://localcapacity21.iclei-europe.org/index.php?id=1442>, Activity: Identifying economic implications of urban sustainable development (Germany), Means: State-Pressure applied frameworks
- 01/01-12/01 “European Catchments: Catchment changes and their impact on the coast- EUROCAT”, Funding: Fourth Framework Research Programme of European Union (FP4), <http://www.eugris.info/DisplayProject.asp?P=4637>, Activity: Economic assessment of coastal areas through multicriteria decision aid tools (North Greece), Means: Content Analysis and Focus Groups technique
- 10/98-12/00 Workcamp organizer and assistant research officer in WWF’s European Freshwater Scorecard Project “European Freshwater Programme, Water and Wetland Index”, Funding: WWF International, <http://www.ramsar.org/news/wwfs-european-freshwater-programme-launches-water-and-wetland-index>, Activity: Water quality assessment and economic implications (North Greece), Means: Qualitative data analysis

Publications

Peer-Reviewed Papers

1. Alamanos, A., **Xenarios S.**, Mylopoulos N. and Stålnacke P. (2016) Hydro-economic modeling and management with limited data: the case of Lake Karla Basin, Greece, *European Water*, 54: 3-18, 2016
2. **Xenarios S.**, Nemes, A., Sarker, G W., Nagothu U S. (2016) Assessing vulnerability to climate change: Are communities in flood-prone areas in Bangladesh more vulnerable than those in drought-prone areas? *Water Resources and Rural Development Journal*, Vol. 7, p.1-19
3. **Xenarios S.**, Polatidis H., McCartney, M. and Nemes, A. (2015) A user-based decision framework for water storage investments in Sub-Saharan Africa: the case of Blue Nile basin in Ethiopia, *Journal of Water Economics and Policy*, Volume 01, Issue 04
4. Ranjan, R., Ngai, W., C. and **Xenarios S.** (2015) Sustainability of rice production systems: an empirical

evaluation to improve policy, *Environment, Development and Sustainability Journal*, DOI 10.1007/s10668-015-9638-x

5. **Xenarios S.** and Polatidis H. (2015) Alleviating climate change impacts in rural Bangladesh: a PROMETHEE outranking-based approach for prioritizing agricultural interventions, *Environment, Development and Sustainability Journal*, Volume 17, Issue 5, p. 963-985
6. McCartney, M. Rebelo, L-M. **Xenarios, S.** Smakhtin, V. (2013) Agricultural water storage in an era of Climate Change: assessing need and effectiveness in Africa. Colombo, Sri Lanka: International Water Management Institute (IWMI). 37p. (*IWMI Research Report 152*). doi:10.5337/2013.207
7. **Xenarios S.** and Pavelic P. (2013). Assessing and forecasting groundwater development costs in Sub-Saharan Africa, *Water SA*, Vol. 39, No. 4
8. **Xenarios, S.** and Bithas, K. (2012) The use of economic instruments for urban wastewater control: evidences from an international survey, *Journal of Environmental Policy and Governance*, Volume 22, Issue 1, Pages: 14–26
9. **Xenarios, S.,** Amarasinghe, U., Sharma, B. (2011) Economic Implications of Agricultural Water Use in Eastern India, *Journal of Natural Policy Research*, 3:4, 371-391
10. Sharma, B., Amarasinghe, U., Xueliang, C., de Condappa, D., Shah, T., Mukherji, A., Bharati, L., Ambili, G., Qureshi, A., Pant, D., **Xenarios, S.,** Singh, R. and Smakhtin, V. (2010) The Indus and the Ganges: river basins under extreme pressure, *Water International*, 35: 5, 493 — 521
11. **Xenarios S.** (2009). Developing an ecological - economic assessment framework for urban wastewater systems: the case of Athens and Vils wastewater systems, *Urban Water Journal* 6(2):147-167
12. **Xenarios, S.,** and Bithas, K. (2009) Valuating the Receiving Waters of Urban Wastewater Systems through a Stakeholder-based Approach, *International Journal of Water Resources Development*, 25:1, 123 — 140
13. **Xenarios, S.,** and Bithas, K. (2009) Welfare Improvisation from the Receiving Waters of Urban Wastewater Systems in the Context of the Water Framework Directive, *Water Resources Management*, Volume 23, Number 5
14. **Xenarios, S.,** Tziritis I. (2007) Improving pluralism in Multi Criteria Decision Aid approach through Focus Group technique and Content Analysis, *Journal of Ecological Economics*, 62 , 692-703
15. **Xenarios S.,** and Bithas K. (2007) Extrapolating the benefits arising from the compliance of urban wastewater systems with the Water Framework Directive, *Desalination Journal*, 211, pp. 200–211

Peer-Reviewed Chapters in Books

1. Kakumanu, K.P., Palanisami, K., Reddy, K.,G., Nagothu, U.,S., Tirupataiah, K., **Xenarios, S.,** Ashok, B. (2013). *An insight of farmers' willingness to pay for insurance premium in South India: Hindrances and Challenges* in “The Challenges of index-based insurance for food security in developing countries” Gomme A.R. and Kayitakire F. (eds), ISBN: 978-92-79-27783-2, DOI: 10.2788/713, EU, Brussels
2. **Xenarios, S.** (2008) *Valuation of ecological services in conservation areas* (pp. 475-493) in “Sustainable Management of Conservation areas” Dimopoulos, P., Pantis, I., D., Tzanoudakis, D. and Vagenas, D. (eds), Pappas Publ. ISBN: 978-960-89071-2-6
3. Halzilacou, D., Kallis, G., Coccosis, H., Svoronou, E., Mexa, A., **Xenarios S.** and Tziritis, I. (2007) *Scenario Workshops as a Tool for Sustainable Water Resource Governance: The Case of the Island of Naxos, Greece*, Chapter 8 (pp. 95-117) in “Integrated Evaluation for Sustainable River Basin Governance”, Nuno Videira, Giorgos Kallis, Paula Antunes, and Rui Santos (eds), International Water Association (IWA)

Peer-Reviewed Papers at Conferences (selected)

1. **Xenarios S.,** Polatidis, H., Sekhar, N.U., Biswas, J.C, Maniruzzaman, M. and Sarker, G.W. (2013) *Encountering climate change impacts in rural Bangladesh through efficient agricultural interventions*, 3rd International Conference on Water Economics, Statistics and Finance, Marbella, Spain organized by the International Water Association (IWA)
2. **Xenarios S.,** McCartney M., Polatides, H. and Eguavoen, I. (2011) *Economic Assessment of water storage for adaptation to climate change in Sub-Saharan Africa*, International Conference on Integrated Water

Resources Management “ Management of Water in a Changing World: Lessons Learnt and Innovative Perspectives” , Dresden, Germany

3. **Xenarios, S.**, McCartney, M., Adenew, B. (2011) *Identifying efficient water storage schemes for climate change adaptation in agriculture: evidences from Indris Watershed in Ethiopia*. Paper presented at the Conference on Ecosystem Conservation and Sustainable Development (ECOCASD), Ambo University, Ethiopia.
4. **Xenarios, S.**, Sharma, B., Singh, A. (2010) *Environmental services and water use in South Asia: evidences from Indo-Gangetic basins*. Proceedings of the Republican Scientific Practical Conference on Efficient Agricultural Water Use and Topical Issues in Land Reclamation, Central Asian Research Institute of Irrigation (SANIIRI), Tashkent, Uzbekistan
5. **Xenarios, S.**, McCartney, M. (2010) *Economic and environmental related aspects of water storage in Sub-Saharan Africa*. In CTA Annual Seminar, “Closing the Knowledge Gap: Integrated Water Management for Sustainable Agriculture”, Johannesburg, South Africa, organized by Wageningen Netherlands: ACP-EU Technical Centre for Agricultural and Rural Cooperation (CTA)

Working Reports (selected)

1. Aleixo, A., Queiroga, H., **Xenarios, S.** & Lillebø, A (2014) *Catch estimates and bioeconomic analysis of bait digging: the case of the tube worm Diopatra neapolitana* , Bioforsk RAPPORT, Vol. 9 Nr. (136) 2014, ISBN-no: 978-82-17-01340-2
2. **Xenarios, S.**, Sarker, G W., Biswas J C., Maniruzzaman, Md., Nemes, A., Nagothu U. S. (2014) *Agricultural interventions and investment options for climate change in drought and saline-flood prone regions of Bangladesh*, Bioforsk RAPPORT, Vol. 9 Nr. (91) 2014, ISBN-no: 978-82-17-01290-0
3. **Xenarios, S.**, Sarker, G.W., Nemes, A., Nagothu, U.S., Biswas, J.C., Maniruzzaman, Md. (2014) *Socio-ecological Vulnerability assessment of Drought and Flood-Saline prone regions in Bangladesh*, Bioforsk RAPPORT, 9(24) 2014, ISBN: 978-82-17-01233-7, Norway
4. **Xenarios, S.**, Nemes, A., Sarker, G.W., Nagothu, U.S., Biswas, J.C., Maniruzzaman, Md. (2014) *Climate Change and Vulnerability in Bangladesh*, Bioforsk TEMA, Vol. 9 No.11, ISBN: 978-82-17-01255-9, Norway
5. *Final Valuation Framework on the Cost-effective development of urban wastewater systems for Water Framework Directive compliance* project, (2007) (**Xenarios. S.** on behalf of Institute of Urban Environment and Human Resources (IUEHR), Panteion University), Athens, 120pp. for the research project “Cost-effective development of urban wastewater systems for Water Framework Directive compliance”
6. Energy Integrated Urban Planning, (2005) *Working Report for Luang Prabang (Lao PDR), Can Tho (Vietnam) and Naga city (Philippines)*, Organized by EIUP Working Team (Contributor in EIUP Working Team: **Xenarios S.**)

Other Publications

1. **Xenarios, S.**, Sharma, R.B., Amarasinghe, U., Singh, A. (2011) Research Analysis on *The effects of agricultural water and landholdings to rural livelihoods in Indo-Gangetic basin (with emphasis on Bihar State*, [Report of the NAIP-IFAD Project on Water and Rural Livelihoods], International Water Management Institute, Sri Lanka, 96p. <http://www.iwmi.cgiar.org/publications/library-catalog/>
2. **Xenarios, S.** (2008) *Concise Compilation of Climate Change and Human Security related Research Projects in “Climate Change: Addressing the Impact on Human Security”*, Thanos Dokos (ed), Published by the Hellenic Foundation for European and Foreign Policy (ELIAMEP), ISBN: 978-960-8356-24
3. **Xenarios, S.** (2008) Trans-Balkan travel to the polluted Axios river in North Greece (in Greek), 20 April 2008, Kathimerini News, Special Issue

Reviewer in twenty (20) Refereed Journals

Climatic Change (IF:3.43), Ecological Economics (IF:2.72), Desalination Journal (IF:2.14), Urban Water Journal (IF:1.79), Environmental Management (IF:1.72), Water (IF:1.42), Journal of Environmental Planning and Management (IF:1.36), Water and Environment Journal (IF:1.34), Environmental Engineering and Management (IF:1.06), Water International (IF:1.06), Aquatic Living Resources (IF:1.01), Sustainability (IF:0.94), Water Policy (IF:0.83), Environment, Development and Sustainability (IF: 067), International Journal of Climate Change Strategies

and Management (IF:0.42), International Journal of Environment and Sustainable Development (IF:0.41), International Journal of Construction Management (Indexed: Scopus), Journal of Environment and Natural Resources Research (Indexed: Google Scholar Metric), Journal of Development and Agricultural Economics (Indexed: Google Scholar Metric), African Journal of Agricultural Research (Indexed: DOAJ)

Scientific Editing

Editorial Board Member in Procedia, Environmental Management and Engineering, <http://www.procedia-eseem.eu/index.html> (8/2014- present)

Editorial Board Member in the e-Journal Integrated Water Resources Management in Central Asia, www.water-ca.org (10/2015- present)

Teaching Experience

03/06-04/06 Teaching in the MSc “Environmental Management of Protected Areas” for the module

03/07-04/07 “Environmental economics and managerial applications”, Dpt. of Environmental and Natural

03/08-04/08 Resources Management, University of Patras, Greece

Supervising Committee of the following master and doctorate theses:

Irene Maili, Valuation of direct and indirect benefits from alternative tourism activities: the case of Kalymnos, University of Patras, Master Thesis, (completed 2006)

Lina Nouska, Valuation of ecological goods and services in Mediterranean forests, University of Patras, Master Thesis, (completed 2006)

Roula Kyriazi, Application of Multi Criteria Analysis and Geographical Information Systems for the designing of marine reserves, University of Patras, Master Thesis, (completed 2007)

Aggelos Alamanos, Hydro-Economic modeling of Lake Karla in Central Greece, University of Thessaly, PhD Thesis, Co-Supervising with Prof. N. Mylopoulos and Dr. Per Staalnacke (2015-Ongoing)

Membership in Professional Societies

Committee Member on the Specialist Group of Statistics and Economics in International Water Association (IWA)

Continuous Professional Development (selected)

“Applied economic modeling of environmental issues using GAMS”, Department of Forest Economics, 2-6 March 2015, SLU-Umea, Sweden”

“Agro-Economic Modelling with GAMS”, Department of Agricultural Economics, Technical University of Madrid, Spain, 2-6 June, 2014

“Capacity Development for Farm Management Practices to Improve Crop-Water Productivity using AquaCrop Model”, 8-12 October 2012, Bangladesh Rice Research Institute, Gazipur, Bangladesh

“Stated Preference Methods. State-of-the-art Modeling”, Department of Forest Economics, 2-6 May 2011, SLU-Umea, Sweden”

Computer Skills

GAMS 24.2.3, AQUACROP 4.0, STATISTICA 10, ECOPATH 6.4, LIMESURVEY 1.92,

Languages

English (Proficient), Greek (Native Language) , Norwegian (Fair), Russian (Basic)