

CURRICULUM VITAE

Christos Zoumides

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PERSONAL INFORMATION

Date of birth: 2nd June 1983
Nationality: Cypriot
Current Position: PhD Student / Research Fellow
Work Address: Department of Environmental Science & Technology
Cyprus University of Technology
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RESEARCH INTERESTS

- Water footprint and virtual water trade
- Agricultural water management in arid and semi-arid environments
- Sustainability Indicators
- Economics of water

EDUCATION

2009 (Oct.) – Ph.D. (Candidate) Environmental Management
Cyprus University of Technology
Supervisor: Ass. Prof. T. Zachariadis

2007–2008 M.Sc. (with Distinction) Ecological Economics
University of Edinburgh

2004–2007 **B.Sc. (Hons)** Economics & Environmental Science
University of Stirling

ACCADEMIC AWARDS

2008 Henry Gilbert Prize for presenting the best M.Sc. dissertation in the School of Geosciences on an agricultural topic.

RESEARCH EXPERIENCE

- 2012–** AGWATER: Options for sustainable agricultural production and water use in Cyprus under global change. Funded by the Research Promotion Foundation of Cyprus. Coordinator: The Cyprus Institute
- 2012–** COST Action ES1106 - EURO-AGRIWAT: Assessment of EUROpean AGRiculture WATer use and trade under climate change. Member of Management Committee (delegate for Cyprus) and Member of Working Group II (Food and Virtual Water Trade).
- 2009–2012** Energy, Economic and Environmental Analysis for Sustainable Development in Europe and Cyprus. Research Prize (-2009) from the Research Promotion Foundation of Cyprus. Grant Holder: Ass. Prof. T. Zachariadis.
- 2011** Effect of climate variability and climate change on crop production and water resources in Cyprus. Funded by the Cyprus Ministry of Agricultural, Natural Resources and the Environment.

TEACHING EXPERIENCE

- 2010–** Sustainable Management of Natural Resources (EST 104), Department of Environmental Science & Technology, Cyprus University of Technology

PROFESSIONAL DEVELOPMENT

- ICCG-CMCC Summer School “Climate Change Impacts and Policy in the Mediterranean Basin”, Island of San Giorgio Maggiore, Venice, Italy, 20-24 May 2013
- European Science Foundation Junior Summit "Water: Unite and Divide. Interdisciplinary approaches for a sustainable future", Stresa, Lago Maggiore, Italy, 27-31 August 2012
- UNESCO-IHE, “Water Footprint Training”, Delft, the Netherlands, 27-29 October 2009

LANGUAGE SKILLS

- Greek (native)
- English (fluent)

COMPUTER LITERACY

- Statistical software: MS Excel, Minitab, STATA
- Geographical Information System: ArcMap
- Agricultural Water Management: CROPWAT, AquaCrop

MEMBERSHIPS IN SCIENTIFIC ASSOCIATIONS

- European Association of Environmental and Resource Economists (since 2009)
- Water Footprint Network (since 2009)

PUBLICATIONS

Articles in Referred Journals

Zoumides, C., Bruggeman, A., Hadjikakou, M. and Zachariadis, T. (2014). Policy-relevant indicators for semi-arid nations: The water footprint of crop production and supply utilization of Cyprus. *Ecological Indicators* (accepted).

Zoumides, C., Bruggeman, A., Zachariadis, T. and Pashiardis, S. Quantifying the poorly known role of groundwater in agriculture: the case of Cyprus. *Water Resources Management*, Vol. 27(7): 2501-2514. doi: [10.1007/s11269-013-0299-y](https://doi.org/10.1007/s11269-013-0299-y)

Chenoweth, J., Hadjikakou, M. and **Zoumides, C.** (2013). Quantifying the human impact on water resources: a critical review of the water footprint concept. *Hydrology & Earth System Sciences Discussions*, 10, 9389–9433.

Zoumides, C. and Zachariadis, T. (2009). Irrigation Water Pricing in Southern Europe and Cyprus: The effects of the EU Common Agricultural Policy and the Water Framework Directive. *Cyprus Economic Policy Review*, Vol. 3(1): 99–122. Available [here](#).

Research Reports

Zoumides, C. and Zachariadis, T. (2013). Development and application of an agro-economic model for optimal allocation of water resources for agriculture in Cyprus. *Economic Analysis Papers No. 06-13*, Economics Research Centre, University of Cyprus.

Bruggeman, A., **Zoumides, C.**, Pashiardis, S., Hadjinicolaou, P., Lange, A. M. and Zachariadis, T. (2011). Effect of climate variability and climate change on crop production and water resources in Cyprus. [*Study for the Ministry of Agriculture, Natural Resources and Environment, commissioned by the Agricultural Research Institute of Cyprus, June 2011*]. Report available [here](#).

Zoumides, C. and Bruggeman, A. (2010). Temporal and spatial analysis of blue and green water demand for crop production in Cyprus. [*Report for the Water Framework Directive Public Consultation, November 2010*]. Report available [here](#).

Conference Proceedings

Bruggeman, A., **Zoumides, C.**, Pashiardis, S. and Lange, A. M. (2012). Green or blue water? The importance of soils. 8th International Symposium Agro Environ 1 - 4 May 2012, Wageningen, The Netherlands. Paper available [here](#).

Zoumides, C., Bruggeman, A. and Zachariadis T. (2012). "Global versus local crop water footprints: the case of Cyprus", in Zhang G. P., Hoekstra, A.Y. and Tickner, D. (eds.) Proceedings of the session "Solving the Water Crisis: Common Action Toward a Sustainable Water Footprint", Planet under Pressure Conference, London, 26 March 2012.

Value of Water Research Report Series No. 60, UNESCO-IHE, pp. 7-27. Delft, the Netherlands. Paper available [here](#).

Newspaper Articles

"*How fast are we depleting natural resources?*" (in Greek), Kathimerini, 27th June 2010.

"*Climate change and population growth: less people, less emissions, less cost*" (in Greek), Politis, 18th October 2009.

CONFERENCE, WORKSHOP AND SEMINAR PRESENTATIONS

Zoumides, C., Bruggeman, A. and Zachariadis T. "*Quantifying the effects of climate variability on crop water use in Cyprus*". ICCG-CMCC Summer School: Climate Change Impacts and Policy in the Mediterranean Basin. Island of San Giorgio Maggiore, Venice, Italy, 24th May 2013.

Zoumides, C., Bruggeman, A. and Zachariadis T. "*Can the water footprint contribute to integrated water resource management policies?*" European Science Foundation Junior Summit, Water: Unite and Divide - Interdisciplinary approaches for a sustainable future. Stresa, Lago Maggiore, Italy, 30th August 2012. Abstract available [here](#).

Zoumides, C., Bruggeman, A. and Zachariadis T. "*Global versus local water footprint assessment: the agricultural production and consumption water footprint of Cyprus*". Planet under Pressure, Session: Solving the water crisis - common action toward a sustainable water footprint. London, UK, 26th March 2012. Presentation available [here](#).

Zoumides, C., Bruggeman, A. and Zachariadis T. "*How can the water footprint contribute to the formulation of a national climate change adaptation strategy?*" CYPADAPT workshop. Nicosia, Cyprus, 2nd November 2011.

Zoumides, C. and Bruggeman, A. "*Temporal and spatial analysis of blue and green water demand for crop production in Cyprus*". MEDIWAT workshop. Lemesos, Cyprus, 18th March 2011.

Bruggeman, A. and **Zoumides, C.** "*Can groundwater supply match irrigation water demand in Mediterranean environments?*" EGU General Assembly 2011, Geophysical Research Abstracts 13, EGU2011-9552. Abstract available [here](#).

Zoumides, C. and Bruggeman, A. "*Model for sustainable management of agricultural water use – results and policy implementations*". Water Framework Directive - Public Consultation Day. Nicosia, Cyprus, 1st December 2010. Presentation available (in Greek) [here](#).

Zoumides, C., Bruggeman, A. and Zachariadis T. "*The Water Footprint of Crop Production in Cyprus*". World Water Week (SIWI), Session: Water Footprint and Public Policy - What can governments do to reduce humanity's water footprint. Stockholm, Sweden, 5-11 September 2010. Presentation available [here](#).

Zoumides, C and Zachariadis T. "*The Water Footprint of Crop Production in Cyprus*". Global Footprint Forum. Colle di Val d'Elsa (University of Sienna), 7-10 June 2010. Abstract available [here](#).

Zoumides, C. and Zachariadis, T. "*Water footprint: a new water management tool*". TECHNEAU workshop, Session: Consumers and the Drinking Water Industry. Cyprus University of Technology, Lemesos, Cyprus, 12th April 2010.

Zoumides, C. and Zachariadis, T. "*Incorporating the water footprint into national water management policy*". Global System Dynamics - Water Seminar Day. Frederic University, Nicosia, Cyprus, 18th March 2010.

Zoumides, C. and Zachariadis, T. "*Challenges in implementing new water management policies in a semi-arid island state: An overview and proposed policy reforms in Cyprus*". 10th Global Conference on Environmental Taxation. Lisbon, Portugal, 23-25 September 2009. Abstract available [here](#).

Zoumides, C. "*Water Resources Management*". Invited lecture to the MSc Ecological Economics module "Applications in Ecological Economics". University of Edinburgh, UK, 2nd March 2009.

Zoumides, C. "*Water Management in Cyprus*". Invited lecture to Grammar School students during the Environment Week, Nicosia, Cyprus, 20th February 2009.

Zoumides, C. "*Economic Growth and the Environment*". Invited lecture to the BSc Economics module "Environmental Economics". University of Stirling, UK, 3rd April 2007.