

CURRICULUM VITAE

LAURENT CRETEGNY

February 2010

RÉSUMÉ

Senior Economist (2009-Present)

Laurent Cretegnny is a Senior Economist in the Climate Change Team of the Environment Department at the World Bank. His work focuses primarily on the economics of adaptation to climate change. In this context he leads the development of analytical tools, and help implement these tools in different case study countries. He is also the team leader of the Samoa case study, which is one of the seven test cases in a large study on the the Economics of Adaptation to Climate Change.

Principal Economist (2005-2009)

In 2005, Laurent Cretegnny founded the Institute for Economic Modelling to specialize in applied economic modelling and policy consultancy. He developed applied models and simulation programs to address a variety of economic policy issues, ranging from agricultural policy to liberalization of trade in services, including transport and energy policy. His primary clients were the Swiss Government, the European Commission, and the World Bank.

Post-Graduate Education

Laurent Cretegnny completed a post-doctoral fellowship with the Centre for Policy Studies at Monash University, Australia. He holds a PhD in economics and a Master's degree in Banking and Finance from the University of Lausanne, Switzerland.

Co-founder & Member of the Board of Directors

As co-founder of the company TerraSport SA in Cossonay, Switzerland, Laurent Cretegnny was responsible for moving the business entity from private partnership to a private equity company. He is a member of the Board of Directors and acted until 2009 as an independent consultant in the company's strategy development.

Member of the Foundation Board

In addition to his main activities, Laurent Cretegny was involved in the management of the Foundation *La Prévoyante* where he was in charge of specific projects within the finance and the information technology sectors. The Foundation's purpose is to provide concessional finance for acquiring building churches. It is a nonprofit organization whose managers are not remunerated.

BUSINESS ADDRESS

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PERSONAL DETAILS

Profession	Economist
Address	4716 45th St, NW Washington DC, 20016 USA Phone +1-202-507-8745
Date of birth	November 21, 1970
Nationality	Swiss
Family	Married, 3 children

EDUCATION

1997-2001	Ph.D. in Economics, University of Lausanne, Switzerland.
1997-1998	Ph.D. programme in Economics, Study Center Gerzensee, Switzerland.
1995-1996	Visiting scholar, Iowa State University, USA.
1994-1995	M.S. in Banking and Finance, University of Lausanne, Switzerland.
1991-1994	B.S. in Economics, University of Lausanne, Switzerland.

PROFESSIONAL QUALIFICATIONS

EXPERIENCE

- 2009- Senior Economist, The World Bank, USA.
- 2005-2009 Principal Economist, Institute for Economic Modelling, Switzerland.
- 2004-2005 Economist, Ecoplan, Switzerland.
- 2003-2004 Post-doctoral research associate, Monash University, Australia.
(Supervisor: Thomas F. Rutherford)
- 2002-2003 Researcher, University of Lausanne, Switzerland.
- 2002- Member of the Board of Directors, TerraSport SA,
Switzerland.
- 1999-2005 Lecturer, Institute of Banking & Financial Training, Switzerland.
- 1999-2003 Member of the Foundation Board, Fondation La Prévoyante,
Switzerland.
- 1998-2001 Lecturer, Latin Cantonal Bank, Switzerland.
- 1996-2001 Teaching/research assistant, University of Lausanne, Switzerland.
- 1993-2005 Business and Information Technology Consultant,
TerraSport SA, Switzerland.

COMPUTER SKILLS

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| Modelling languages | GAMS (incl. MPSGE), GEMPACK. |
| Programming languages | Fortran, Visual Basic. |
| Mathematics | Mathematica, Matlab, Maple. |
| Econometrics | E-Views, Gauss. |
| Office tools | L ^A T _E X, Scientific Workplace, MS Office (incl. Access). |

LANGUAGES

French (mother tongue) - Fluent in English - Good knowledge of German -
Elementary Italian.

AWARDS

- 2003 Post-doctoral research fellowship, Swiss National Science Foundation.
- 2002 Chamber of Commerce and Industry Prize of the state of Vaud for
Ph.D. dissertation.
- 1994 BCV Prize for performance in a portfolio management simulation game.

ECONOMIC MODELLING

IFPRI-EG - A Single-country Recursive-Dynamic CGE Model for Energy Policy Analysis in Developing Countries (formulated in GAMS/MPSGE).

SwissGEN - A Multiregional Intertemporal CGE Model for Generic Policy Analysis (formulated in GAMS/MPSGE).

SwissAGE - A Single-country Recursive-Dynamic CGE Model for Historical and Decomposition Analysis (formulated in GEMPACK).

SwissTRANS - A Single-country Intertemporal CGE Model for Swiss Transport Policy Analysis (formulated in GAMS/MPSGE).

SwissAG - A Multiregional CGE Model For Swiss Agricultural Policy Analysis (formulated in GAMS/MPSGE).

SwissSER - A Multiregional CGE Model for Services Liberalization Analysis (formulated in GAMS/MPSGE).

CONSULTANCY

CURRENT PROJECTS

Industry Forecasting in the Swiss Economy Using the SwissAGE Model (with A. Müller).

Historical Simulation 2001 to 2005 using the SwissAGE Model.

PUBLICATIONS

The Cost to Developing Countries of adapting to Climate Change - New Methods and Estimates. Washington DC, USA: The World Bank Group, 2009.

Economic Impacts on Switzerland of Agricultural Trade Liberalization. *Confidential Report*. Berne, Switzerland: State Secretariat for Economic Affairs, 2007.

The Swiss Model of World Production, Consumption and Trade (with A. Müller and R. van Nieuwkoop). Berne, Switzerland: Federal Chancellery, 2007.

Liberalizing Services in Switzerland and with the European Union. (with A. Müller). In *Strukturberichterstattung Nr. 33E*. Berne, Switzerland: State Secretariat for Economic Affairs, 2005.

Strukturwandel - Ursachen, Wirkungen und Entwicklungen (with A. Müller and R. Oleschak). *Strukturberichterstattung Nr. 29*. Berne, Switzerland: State Secretariat for Economic Affairs, 2005.

RESEARCH

CURRENT RESEARCH

The Economics of Adaptation to Climate Change - Test Case on Samoa.

Assessing the Cost of Adaptation at the Country Level (with Robert R. Schneider).

PUBLICATIONS

The socio-economic impacts of transport pricing reforms (with Stef Proost et al.). EU Sixth Framework Programme. ITS, University of Leeds, 2007.

The socio-economic effects of transport pricing in sensitive areas (with Stefan Suter). Annex to D9, Socio-economic impacts of transport pricing reforms, EU Sixth Framework Programme. ITS, University of Leeds, 2007.

The Swiss Railway Investment Fund (with Urs Springer and Stefan Suter). In A. de Palma, R. Lindsey, and S. Proost (Eds.), *Investment and the use of Tax and Toll Revenues in the Transport Sector*, ch. 9. Oxford, UK: Elsevier Ltd, 2007.

The Reform of the Swiss Agricultural Policy : An Approach Through the Multifunctionality of Agriculture in a CGE Framework. *Ph.D. Thesis*, Department of Economics, University of Lausanne, 2001.

American Commodity Futures Options : Review of the Theory and Application to Soybean Intradaily and Daily Data. *Master's Thesis*, Institute of Banking and Finance, University of Lausanne, 1995.

WORKING PAPERS

Economic Impacts of Energy Investment in Uganda. AFCRI, The World Bank, 2007.

Analyzing Economic Structural Change in a General Equilibrium Framework: The case of Switzerland from 1990 to 2001. *General Working paper G-155*, Centre of Policy Studies, Monash University, 2005.

Agricultural Policy and Consumer Welfare (with A. Mattei). *Working paper 03.11*, Department of Economics, University of Lausanne, 2003.

A 1995 Social Accounting Matrix for Switzerland disaggregated for Agriculture and Households. *Unpublished paper*, Department of Economics, University of Lausanne, 2003.

CONFERENCES

The Economics of Adaptation to Climate Change - A Bottom-Up and Top-Down Integrated Assessment Framework. Paper presented at the *12th Annual Conference on Global Economic Analysis*, Santiago, 2009.

Analyzing Regionally Differentiated Transport Pricing Strategies in Switzerland. Paper presented at the *11th Annual Conference on Global Economic Analysis*, Helsinki, 2008.

Liberalizing Services in Switzerland and with the European Union. Paper presented at the *9th Annual Conference on Global Economic Analysis*, Addis Ababa, 2006.

Analyzing Economic Structural Change in a General Equilibrium Framework: The case of Switzerland from 1990 to 2001. Paper presented at the *8th Annual Conference on Global Economic Analysis*, Lübeck, 2005.

Solving MPSGE Models Using GEMPACK (with M. Horridge, K. Pearson and T. F. Rutherford). Paper presented at the *7th Annual Conference on Global Economic Analysis*, Washington DC, 2004.

The Reform of the Swiss Agricultural Policy : A Multifunctionality Approach of the Agriculture in a CGE Framework. Paper presented at the *17th Annual Congress of the European Economic Association*, Venice, 2002.

Modelling the Multifunctionality of Agriculture in a CGE Framework. Paper presented at the *International Conference on Policy Modeling*, Free University of Brussels, 2002.

The Key Role of the Milk Quota in the Reform of the Swiss Agricultural Policy. Paper presented at the *5th Annual Conference on Global Economic Analysis*, Taipei, 2002.

The Agricultural Policy Reform in Switzerland : An Assessment of the Agriculture Multifunctionality (revised version). Paper presented at the *56th European Meeting of the Econometric Society*, University of Lausanne, 2001.

The Agricultural Policy Reform in Switzerland : An Assessment of the Agriculture Multifunctionality. Paper presented at the *4th Annual Conference on Global Economic Analysis*, Purdue University, 2001 and at the *75th International Conference on Policy Modeling for European and Global Issues*, Free University of Brussels, 2001.

Swiss Agricultural Policy : A Public Good Approach in a CGE framework. Paper presented at the *3rd Annual Conference on Global Economic Analysis*, Monash University, 2000.