

## Thomas Roediger-Schluga: Publications and Presentations

### Book

Roediger-Schluga T. (2004): *The Porter Hypothesis and the Economic Consequences of Environmental Regulation: A Neo-Schumpeterian Approach*. Edward Elgar: Cheltenham, UK and Northampton, MA, US, 368pp (ISBN 1 84376 644 2).

### Refereed Journal Articles

Roediger-Schluga T. and M. Barber (2007): R&D collaboration networks in the European Framework Programmes: Data processing, network construction and selected results, *International Journal of Foresight and Technology Policy* (accepted for publication).

Barber M., A. Krüger, T. Krüger and T. Roediger-Schluga (2006): The network of EU-funded collaborative R&D projects, *Physical Review E* 73, 036132, (arXiv:physics/0509119).

Mahlich J. and T. Roediger-Schluga (2006): The determinants of pharmaceutical R&D: evidence from Japan, *Review of Industrial Organisation* 28(2), 145-164.

Roediger-Schluga T. (2003): Some microevidence on the 'Porter Hypothesis' from Austrian VOC emission standards, *Growth and Change* 34(3), 357-377.

### Book Chapters/Sections

Roediger-Schluga T. (2007): Public-private R&D partnerships: Current issues and challenges. In J.C. Mahlich and W. Pascha (Eds.), *Innovation and Technology in Korea*. Springer, 105-116.

Paier M. and T. Roediger-Schluga (2006): Cooperation with Austrian enterprises and research organisations. In Gesellschaft zur Förderung der Forschung (Ed.), *Research and Development in South Eastern Europe*. Neuer Wissenschaftlicher Verlag: Vienna, Graz, 117-163.

Roediger-Schluga T. (2002): The stringency of environmental regulation and the 'Porter Hypothesis'. In L. Marsiliani, M. Rauscher and C. Withagen (Eds.), *The International Dimension of Environmental Policy*. Kluwer Academic Publishers: Boston, MA; Dordrecht, Netherlands, 123-148.

### Non Refereed Journal Article

Mahlich J. and T. Roediger-Schluga (2002): New opportunities for Asian pharmaceutical firms, *Asia Pacific Tech Monitor*, Jan-Feb 2002, pp 40-45.

### Contributions in Conference Proceedings

Roediger-Schluga T. and M. Barber (2006): The structure of R&D collaboration networks in the European Framework Programmes, *11th ISS Conference, International J. A. Schumpeter Society*, Sophia-Antipolis, France, 21-24 June, 38 pp (available online at [www.schumpeter2006.org/conftool/uploads/319/1-Paper\\_TRS\\_MB\\_ISS2006.pdf](http://www.schumpeter2006.org/conftool/uploads/319/1-Paper_TRS_MB_ISS2006.pdf)).

Roediger-Schluga, T. (2004), Best Available Technology from a Neo-Schumpeterian Perspective: A Re-Evaluation. *Proceedings of the 13th Annual Conference of EAERE* (CD-ROM), Budapest, Hungary, June 25-28, 25 pp, (also available at <http://eaere2004.bkae.hu>).

- Roediger-Schluga, T. and B. Dachs (2004): Does technology affect network structure? A quantitative analysis of collaborative research projects in two specific EU programmes. *10th ISS Conference, International J. A. Schumpeter Society*, Milan, Italy, June, 9-12, 34 pp, (available online at <http://www.schumpeter2004.uni-bocconi.it/papers.php>).
- Roediger-Schluga T. (2002): Some microevidence on the 'Porter Hypothesis' from Austrian VOC emission standards, *Proceedings of the 42nd Congress of the European Regional Science Association*, Dortmund, Germany, August 27-31, 24 pp.
- Wagner P., C. Schrefel and T. Roediger-Schluga (2000): Sustainable regional development: The case of biomass in the district of Güssing/Burgenland. In Buchinger E., Maderthaner R., Schrefel C. and Wagner P. (eds.): *Proceedings of the EuroConference 'Quality of Life – Sustainability – Environmental Changes: Event 3'*, OEFZS-S-0089/3, pp. 117-145.

### Research Reports

- Leo, H., M. Berger, M. Falk, R. Falk, K.S. Friesenbichler, H. Gassler, W. Hölzl, K.-H. Leitner, Brigitte Nones, T. Roediger-Schluga, C. Seibt, A. Schibany, C. Steindl and F. Unterlass (2007), Österreichischer Forschungs- und Technologiebericht 2007 [Austrian Research and Technology Report 2007]', BMWF, BMVIT, BMWA: Vienna, 181 pp.
- Kubeczko K., M. Paier, T. Roediger-Schluga and D. Schartinger (2006): F&E-Positionierung – Internationaler Vergleich ausgewählter Stadt-Umland Regionen. ARC—sys/ZIT 0012, ARC systems research GmbH, ZIT Zentrum für Innovation und Technologie GmbH: Vienna, 38 pp.
- Schibany A., M. Böheim, B. Dachs, R. Falk, H. Gassler, W. Hölzl, K. Kubeczko, K.-H. Leitner, S. Mahroum, B. Nones, W. Polt, T. Roediger-Schluga, I. Schacherl, C. Steindl, G. Streicher, M. Weber and B. Woitech (2006): Österreichischer Forschungs- und Technologiebericht 2006 [Austrian Research and Technology Report 2006]. BMBWK, BMVIT, BMWA: Vienna, 207 pp.
- Roediger-Schluga T. (2005): The governance of interactions between large research organisations and universities in Europe – A selective country comparison, ARC—sys-0069, 40 pp.
- Roediger-Schluga T. and K. Kubeczko (2005): Internationaler Vergleich präkompetitiver F&E Positionierung von Stadt-Umland Regionen, ARC—sys/ZIT 0004, ARC systems research GmbH, ZIT Zentrum für Innovation und Technologie GmbH: Vienna, 25 pp.
- Roediger-Schluga T. and D. Schartinger (2004), European Innovation System (EIS) – Final Report, ARC—sys-0014, 42 pp.
- Leo H., B. Dachs, M. Dinges, M. Falk, R. Falk, N. Knoll, F. Ohler, T. Roediger-Schluga, A. Schibany, H. Schiffbänker, M. Weber, K. Whitelegg and K. Zinöcker (2004), Österreichischer Forschungs- und Technologiebericht 2004 [Austrian Research and Technology Report 2004]', BMVIT, BMBWK: Vienna, 159 pp.
- Roediger-Schluga T. (2003), European Innovation System (EIS) – Interim Report 2002, ARC-S-0215, 35 pp.

- Hörlesberger M., T. Roediger-Schluga and N. Böck (2003): EICSTES (European Indicators, Cyberspace and the Science-Technology-Economy System) – Transborder Co-Operation. Deliverable 5.3b, Contract Number IST-1999-20350, ARC systems research: Seibersdorf, 45 pp.
- Hutschenreiter G., N. Knoll, H. Leo, M. Peneder, G. Booth, H. Gassler, N. Gretzmacher, W. Polt, A. Schibany, H. Schiffbänker, G. Streicher, B. Dachs, T. Roediger-Schluga, K. Whitelegg and J. Mahlich (2003): Österreichischer Forschungs- und Technologiebericht 2003 [Austrian Research and Technology Report 2003]. BMBWK, BMVIT, BMWA: Vienna, 191 pp.
- Roediger-Schluga T. (2003): The Techno-Economic Consequences of Environmental Regulation – The case of Austrian VOC emission standards. ARC-S-0194, 235 pp.
- Roediger-Schluga T. (2001): Intervention in complex systems – The case of Austrian VOC emission standards. In Buchinger E., Fröhlich J., Pohn-Weidinger S. and Roediger-Schluga T. (eds.): CPX – Intervenieren in komplexen Systemen, OEFZS-S-0117, pp. 95-136.
- Warta K., Polt W., Buchinger E., Noll M., Kopcsa A., Schibany A., Roediger-Schluga T., Mahlich J., Sint P.P., Paier M., Topolnik M. and Ohler F. (1999): *Ökonomie von Wissen und Information [Economics of Knowledge and Information]*, OEFZS-S-0043, 350 pp.
- Clement W., Farar D., Maurer C., Preissl M., Roediger-Schluga T. Seubert P. and Schröck T. (1998): *Bioenergie-Cluster Österreich [Bioenergy Cluster Austria]*, IWI-Studien, Vol. XXIX, 510 pp.
- Humpl S., Preissl M. and Roediger-Schluga T. (1998): *Bundesländerprofil Österreich [Country Profile – Austria]*, IWI: Vienna, 128 pp.

#### *Other Academic Output*

- Roediger-Schluga T. (2002): *The Techno-Economic Consequences of Environmental Regulation – The case of Austrian VOC emission standards*. Department of Economic Geography & Geoinformatics, Vienna University of Economics and Business Administration, Vienna, PhD Thesis, 235 pp.
- Roediger-Schluga T. (1996): *Protecting the Pension Promise – A comparative analysis of the statutory protection of pension benefits from occupational pension schemes in the U.K. and Austria*. Department of English Business Communication, Vienna University of Economics and Business Administration, Vienna, MA Thesis, 95 pp.

#### *Work in Progress*

- 'Does technology affect network structure? A quantitative analysis of collaborative research projects in two specific EU programmes' (jointly with Bernhard Dachs), UNU-MERIT working paper, 2006-041, available from <http://www.merit.unu.edu/publications/wppdf/2006/wp2006-041.pdf> (submitted for publication)
- 'The structure of R&D collaboration networks in the European Framework Programmes' (jointly with M. Barber), UNU-MERIT working paper, 2006-036, available from <http://www.merit.unu.edu/publications/wppdf/2006/wp2006-036.pdf>
- 'Environmental regulation and innovation: A Neo-Schumpeterian perspective'

- 'Best available technology from a Neo-Schumpeterian perspective: a re-evaluation'
- 'The political negotiation of environmental regulation and technological change – the case of Austrian VOC emission standards'
- 'Mapping evolutionary economics – a bibliometric analysis' (jointly with Bernhard Dachs)

#### *Conference Presentations*

- Roediger-Schluga T. and M. Barber (2006): The structure of R&D collaboration networks in the European Framework Programmes, *11th Annual Conference of the International Schumpeter Society*, "Innovation, competition and growth: Schumpeterian perspectives", Sophia-Antipolis, France, 21-24 June 2006.
- Mahlich J. and T. Roediger-Schluga 'The determinants of pharmaceutical R&D: evidence from Japan', *Academy of International Business Annual Meeting*, Beijing, China, June 23–26, 2006
- Roediger-Schluga T. 'A neo-Schumpeterian perspective on environmental regulation and innovation: Evidence from Austrian VOC emission standards', *OECD Conference on Public Environmental Policy and the Private Firm*, Washington D.C., United States, June 2005
- Roediger-Schluga T. 'Best available technology from a Neo-Schumpeterian Perspective: A Re-Evaluation', *13th Annual Conference of the European Association of Environmental and Resource Economists (EAERE)*, Budapest, Hungary, June 2004
- Roediger-Schluga T. and B. Dachs 'Does technology affect network structure? A quantitative analysis of collaborative research projects in two specific EU programmes', *10th Annual Conference of the International Schumpeter Society*, Milan, Italy, June 9–12, 2004
- Dachs B. and T. Roediger-Schluga 'Patterns of research collaboration – A quantitative analysis of joint research projects in ACTS and FAIR', *3rd European Meeting on Applied Evolutionary Economics (EMAE)*, Augsburg, Germany, April 2003
- Roediger-Schluga T. 'Some microevidence on the 'Porter Hypothesis' from Austrian VOC emission standards', *42nd Congress of the European Regional Science Association (ERSA)*, Dortmund, Germany, August 2002
- Mahlich J. and T. Roediger-Schluga 'The changing nature of pharmaceutical R&D – opportunities for Asia?', *78th Conference of the Applied Econometrics Association*, Brussels, Belgium, November 2001
- Roediger-Schluga T. 'Some micro-evidence on the 'Porter Hypothesis''. *2nd EURESCO Conference on 'The International Dimension of Environmental Policy'*, Aquafredda di Maratea, Italy, October 2001
- Dachs B., T. Roediger-Schluga, C. Widhalm and A. Zartl 'Mapping evolutionary economics – A bibliometric analysis'. *2nd European Meeting on Applied Evolutionary Economics (EMAE)*, Vienna, Austria, September 2001
- Roediger-Schluga T. 'The political negotiation of environmental regulation and technological change – The case of Austrian VOC emission standards', *3rd International POSTI Conference*, London, UK, December 2000

Roediger-Schluga T. 'The stringency of environmental regulation and the 'Porter Hypothesis'', *1st EuroConference on 'Environmental Policy, Competitiveness and the Location Behaviour of Firms'*, Kerkrade, Holland, October 2000

Wagner P., C. Schrefel and T. Roediger-Schluga 'Sustainable regional development: The case of biomass in the district of Güssing/Burgenland'. *EuroConference 'Quality of Life – Sustainability – Environmental Changes: Event 3'*, Stadtschlaining, Austria, April 2000

#### *Presentations at Symposia and Workshops*

Roediger-Schluga T. 'The structure of R&D collaboration networks in the European Framework Programmes', *Ökonomisches Forschungsseminar - WU Wien*, Vienna, Austria, March 2007

Roediger-Schluga T. 'Comments on M. Shapiro "Public-Private R&D Collaboration in Korea: A Survey of Public Sector Institutes"', *Austrian Federal Economic Chamber, Innovation and Technology in Korea*, Vienna, Austria, October 2005

Roediger-Schluga T. 'Analysing the EU funded R&D collaboration graphs. Methodology and Data', *EXYSTENCE Thematic Institute for Complexity and Innovation*, Vienna, Austria, September–October 2004

Roediger-Schluga T. 'Analysing R&D collaboration networks. Why, how and to which purpose?', *Madeira Math Encounters XXVII, Networks, Stochastic Analysis, Production Engineering*, Funchal, Portugal, July–October 2004

Roediger-Schluga T. 'The political negotiation of environmental regulation and technological change', *BMBF International Summer School on Economics, Innovation, Technological Progress and Environmental Policy*, Seon, Germany, September 2001

Roediger-Schluga T. 'The stringency of environmental regulation and the 'Porter Hypothesis'', *European Summer School on Industrial Dynamics (ESSID)*, Cargese, France, September 2000

Roediger-Schluga T. 'Environmental regulation and innovation – Some methodological remarks', *Economics of Technological and Institutional Change (ETIC) Doctoral Training Program*, Maastricht, Holland, October 1999

Roediger-Schluga T. 'Environmental regulation and innovation – The case of Austrian VOC standards'. *European Summer School on Industrial Dynamics (ESSID)*, Cargese, France, September 1999