

Prof. Dr. Emmanuel MULLER

Main professional achievements

Senior researcher:

- at BETA (Bureau d'Economie Théorique et Appliquée), Université de Strasbourg since 1992;
- at the Fraunhofer Institute for Systems and Innovation Research (Fraunhofer ISI), Karlsruhe since 1993.

Professor at the University of Applied Sciences Heidelberg (Faculty of Management) since 2001.

Initiator and coordinator of the evoREG French-German research chair devoted to innovation and regional development (www.evoREG.eu) at the University of Strasbourg .

Language skills

Trilingual: English, French and German.

Academic qualifications

- 2011: French habilitation (*HDR: habilitation à diriger les recherches*) under the supervision of Professor Patrick Llerena (University of Strasbourg).
Title of the habilitation thesis 'Jongler avec l'intangible - De l'importance des services intensifs en connaissance et des régions dans une économie de l'innovation et de la créativité'.
- 1999 European PhD in economics (Université Louis Pasteur –Strasbourg I) under the supervision of Professor Jean-Alain Héraud.
Title of the PhD thesis: 'Innovation Interactions between Knowledge–Intensive Business Services and Small and Medium-Sized Enterprises - An Analysis in Terms of Evolution, Knowledge and Territories'.
- 1993 D.E.S.S (*Diplôme d'Etudes Supérieures Spécialisées*) in international financial management (Université Louis Pasteur –Strasbourg I).

Visiting scholarships

- 2016 Visiting professor at the Faculty of Economics and Management at the Tôyô University (Tokyo).
- 2005-2010 Visiting professor and visiting associated professor at the Faculty of Economics and Management of the University of Strasbourg.
- 2007–2008 Visiting lecturer at the Telfer Business School of the University of Ottawa.
- 1999–2005 Lecturer for innovation systems and policies. *Institut d'Etudes Politiques* (Université Robert Schuman –Strasbourg III).
- 1992–1993 Lecturer for mathematics and statistics at the Faculty of Economics and Management (Université Louis Pasteur – Strasbourg I).
- 1998 University College London, department of geography (Professor Peter Wood).
Main topic: knowledge-intensive business services.
- 1996 National Institute of Scientific Research, (INRS-Urbanisation) Montreal (Professor Benoît Godin).
Main topic: SMEs and regional innovation capacities.
- 1993 Technical University of Budapest, department of history of science (Professor Imre Hronsky).
Main topic: national innovation systems and transition economics.

Memberships in evaluation committees and further expertise activities

Member of the steering committee of the Black Forest Diamond Initiative (2018-2019).

Economic expert at ADEUS (Urban development agency), City and Eurometropole Strasbourg (2013-2018).

Expert at the European Commission (DG Research) for the H2020 program evaluation (2016).

Expert at the European Commission (DG Regio) for the evaluation of ETC (European Territorial Cooperation) program (2015).

External evaluator for the Federal Research Chairs Programme (since 2002) of the Social Sciences and Humanities Research Council of Canada (SSHRC) and external evaluator in the frame of the SSHRC programmes entitled 'Knowledge Impact in Society Grants in Management, Business and Finance' and 'Public Outreach Grants in Management, Business and Finance', Ottawa (2007–2008).

Invited member of the Expert Group 'Constructing regional advantage' of the European Commission, DG Research, Brussels (2005).

Member of the Research Advising Committee of the Innovation Systems Research Network (ISRN), University of Toronto (2001–2005).

External evaluator for the CIR-CE programme of the Federal Austrian Research Ministry, Vienna (2005, 2007 and 2009).

Member of the COSEM (*Conseil d'Orientation Stratégique de l'Ecole des Mines*), Paris (2007–2008).

Member of the 'Futuris committee' organised by the French National Agency for Research and Technology (ANRT), Paris (2003–2004).

External evaluator for the Social Innovation Fund of the Province of Quebec (2003).

EMMANUEL MULLER

Publication list

Awarded paper

2012 UAM - ACCENTURE award in economics and innovation management : 'Knowledge Angels: fostering innovation in knowledge-intensive business services through creative individuals'.

Articles in international journals

'Smart specialisation strategies and cross-border integration of regional innovation systems: Policy dynamics and challenges for the Upper Rhine'. (E. Muller, A. Zenker, M. Hufnagl, J.-A. Héraud, E. Schnabl, T. Makkonen, H. Kroll, 2017). *Environment and Planning C: Politics and Space* 2017, Vol. 35(4) 684–702.

'Knowledge Angels: fostering innovation in knowledge-intensive business services through creative individuals'. (E. Muller, A. Zenker, J.-A. Héraud, 2015). *Management International*. Vol. 19. pp. 201-218.

'What we should know about knowledge-intensive business services (KIBS)'. (Muller, E., Doloreux, D. 2009). *Technology in Society*. Vol. 31. Issue 1. pp. 64–72.

'Services à forte intensité de connaissances, contexte régional et comportements d'innovation : une comparaison internationale.' (D. Doloreux, A. Zenker, E. Muller, 2009). *Revue d'Economie Régionale et Urbaine*. No. 2. pp. 347–368.

'Getting to grips with innovation in Knowledge Intensive Business Services (KIBS)' (D. Doloreux, M. Freel, E. Muller, 2008): *International Journal of Services Technology and Management*, Vol. 10, Nos. 2/3/4. pp. 147–151.

'Tracking knowledge angels – a research proposal' (E. Muller, 2008). *International Journal of Services Technology and Management*, Vol. 10, Nos. 2/3/4. pp. 343–348.

'KIBS start-ups in Stuttgart – a surprising below-average rate?' (T. Stahlecker, E. Muller, 2008). *International Journal of Services Technology and Management*, Vol. 10, Nos. 2/3/4. pp. 330–336.

'A regional typology of innovation capacities in New Member States' (E. Muller, D. Doloreux, A. Jappe, J.-A. Héraud, A. Zenker, 2008). *Journal of European Integration*, Vol. 30, No. 5. pp. 653–669.

'Business Services as Actors of Knowledge Transformation: the Role of KIBS in Regional and National Innovation Systems' (E. Muller, A. Zenker, 2001). In : *Research Policy*, Vol. 30 (9) pp. 1501–1516.

'Transition and Development of Innovation Capacities in Hungary' (R. Larue de Tournemine, E. Muller, 1996). In : *R&D Management*, Volume 26, Number 2. pp. 101–114.

'Innovationstätigkeit und Unternehmensnetzwerke' (R. Hahn, A. Gaiser, J.-A. Héraud, E. Muller, 1995). In : *Zeitschrift für Betriebswirtschaft*, 65. pp. 247–266.

'Innovationstätigkeit der Unternehmen und regionales Umfeld' (R. Hahn, A. Gaiser, J.-A. Héraud, E. Muller, 1995). In : *Raumforschung und Raumordnung*, 3. pp. 193–202.

Books

Strategies for bilateral research cooperation: French-German experiences ' (A. Zenker, E. Baier, E. Muller, J.-A. Héraud, V. Tippmann, Eds 2013). *Fraunhofer Verlag* : Stuttgart.

Regards croisés sur la culture d'innovation et la créativité en Alsace (E. Muller, J.-A. Héraud, F. Gosselin, Eds 2010). *Presses Universitaires de Strasbourg* : Strasbourg.

Innovation Interactions between Knowledge-Intensive Business Services and Small and Medium-Sized Enterprises – An Analysis in Terms of Evolution, Knowledge and Territories (E. Muller, 2001). *Physica-Verlag* : Heidelberg.

Books chapters

- 'Are innovation systems complex systems?' (E. Muller, A. Zenker, J.-A. Héraud, 2017). In: First Complex Systems Digital Campus World E-Conference 2015 (P. Parrend, P. Bourguine, P. Collet). Springer, pp. 167-173.
- 'Creativity management - Causation, effectuation and will' (J.-A. Héraud, E. Muller, 2016). In: The Global Management of Creativity (M. Wagner, J. Valls-Pasola, T. Burger-Helmchen, Eds.). Routledge, London and New-York, pp. 121-139.
- 'Research landscapes and innovation policies in France and in Germany: an overview' (A. Zenker, V. Tippmann, E. Baier, J.-A. Héraud, E. Muller, E. Schricke, M. Covillard, 2013). In: Strategies for bilateral research cooperation: French-German experiences' (A. Zenker, E. Baier, E. Muller, J.-A. Héraud, V. Tippmann, Eds). Fraunhofer Verlag, Stuttgart, pp. 5-29.
- 'Innovation, territories and creativity: some reflections about usual and less usual instruments for innovation-driven regional policies' (E. Muller, A. Zenker, J.-A. Héraud, 2013). In: The Economics of Creativity – ideas, firms and markets (T. Burger, Ed.). Routledge, London and New-York, pp. 78-88.
- 'Innovation, territories and creativity: some reflections about usual and less usual instruments for innovation-driven regional policies' (E. Muller, A. Zenker, J.-A. Héraud, 2013). In: The Economics of Creativity – ideas, firms and markets (T. Burger, Ed.). Routledge, London and New-York, pp. 78-88.
- 'Knowledge Angels Creative Behaviors and Emerging Innovation Modes: Observations from Alsace, Baden-Württemberg and Catalonia' (E. Muller, A. Zenker, E. Baier, 2012). In: Exploring Knowledge-Intensive Business Services. Knowledge Management Strategies (E. Di Maria Grandinetti, B. Di Bernardo, Eds). Palgrave Macmillan, Basingstoke. pp. 35-55.
- 'Knowledge Angels or How Creative People Foster Innovation in the Service Industry - Emerging Concepts and International Observations' (E. Muller, A. Zenker, E. Baier, 2012). In: Innovation System Revisited – Experiences from 40 years of Fraunhofer ISI Research (K. Koschatzky, Ed.). Fraunhofer Verlag, Stuttgart. pp. 153-169.
- 'La coopération Fraunhofer-Carnot, fer de lance de futures politiques européennes de recherche appliquée?' (V. Tippmann, A. Zenker, E. Muller, 2010). In: La recherche et l'innovation en France (Lesourne, J., Randet, D, Eds). Odile Jacob . Paris. pp. 221-247.
- 'Inside KIBS' Black Box: Exploring the Existence and Function of Knowledge Angels' (E. Muller, A. Zenker, J.-A. Héraud, 2010). In: (D. Doloreux, M. Freel, R. Shearmur, Eds). Farnham: Ashgate. pp. 211-231.
- 'France: Innovation System and Innovation Policy' (E. Muller, A. Zenker, J.-A. Héraud, 2010). In: Competing for Global Innovation Leadership: Innovation Systems and Policies in the USA, Europe and Asia (R. Frietsch, M. Schüller, Eds). Stuttgart: Fraunhofer Verlag. pp. 93-118.
- 'Les anges de la connaissance: moteurs de l'innovation du tertiaire supérieur en Alsace et au Bade-Wurtemberg?' (E. Muller, A. Zenker, 2010). In: Regards croisés sur la culture d'innovation et la créativité en Alsace (E. Muller, J.-A. Héraud, F. Gosselin, Eds). Strasbourg : Presses Universitaires de Strasbourg. pp. 90-99.
- 'Métropoles créatives: acteurs et facteurs à Montréal, Barcelone et Mannheim' (F. Gosselin, E. Baier, E. Muller, A. Zenker, P. Cohendet, 2010) In: Regards croisés sur la culture d'innovation et la créativité en Alsace (E. Muller, J.-A. Héraud, F. Gosselin, Eds). Strasbourg : Presses Universitaires de Strasbourg, pp. 148-155.
- 'L'Eurodistrict Strasbourg-Ortenau et la Région Métropolitaine du Rhin Supérieur comme zones en émergence de créativité politique' (J.-A. Héraud, R. Woessner, E. Muller, 2010). In: Regards croisés sur la culture d'innovation et la créativité en Alsace (E. Muller, J.-A. Héraud, F. Gosselin, Eds). Strasbourg : Presses Universitaires de Strasbourg, pp. 156-165.
- 'Introducing Regions and Innovation-related Needs in the Multi-layer Logic of the ERA : a Typology Proposal' (E. Muller, A. Zenker, J.-A. Héraud, 2003). In: Changing Governance of Research and Technology Policy - The European Research Area (J. Edler, S. Kuhlmann, M. Behrens, Eds). Cheltenham Glos: Edward Elgar. pp. 230-254.
- 'Katalysatoren und Hemmnisse der regionalen Innovationsdynamik' (K. Koschatzky, E. Muller, A. Zenker, 2003). In : Innovative Impulse für die Region -Aktuelle Tendenzen und Entwicklungsstrategien (Knut Koschatzky, Ed.). Fraunhofer IRB Verlag : Stuttgart. pp. 133-152.
- 'Mapping und Clustering als Werkzeuge zur Bildung von Regionaltypologien' (A. Zenker, E. Muller, 2003). In : Innovative Impulse für die Region -Aktuelle Tendenzen und Entwicklungsstrategien (Knut Koschatzky, Ed.). Fraunhofer IRB Verlag : Stuttgart. pp. 67-94.
- 'Regional Innovation Capacities and Economic Transition : The Example of West Transdanubia' (E. Muller, A. Zenker, T. Döry, 2002). In : Industrial Transformation in Central and Eastern Europe : The Role of Small Firms and Entrepreneurship (G.H. Walter, O. Pfirrmann, Eds). Physica-Verlag : Heidelberg. pp. 251-271.

'Knowledge, Innovation Processes and Regions' (E. Muller, 2001). In : Innovation Networks – Concepts and Challenges in the European Perspective. (K. Koschatzky, M. Kulicke, A. Zenker, Eds). Physica-Verlag : Heidelberg. pp. 37–51.

'Analysis of Innovation-oriented Networking Between R&D Intensive Small Firms and Knowledge Intensive Business Services - Empirical Evidence from France and Germany' (E. Muller, A. Zenker, 1999). In : New Technology Based Firms in the 1990s (R. Oakey, W. Doring, S.-M. Mukhtar, Eds). Volume 6. Permagon : Amsterdam, Oxford. pp. 143–169.

'Methods for Ascertaining Firms' Needs for Innovation Services' (E. Muller, U. Gundrum, K. Koschatzky, 1997). In : Technology-Based Firms in the Innovation Process (K. Koschatzky, Ed.) : Physica-Verlag : Heidelberg. pp. 245–262.

'Methodische Ansätze zur Erfassung des Unternehmensbedarfs für innovationsunterstützende Dienstleistungen' (E. Muller, U. Gundrum, K. Koschatzky, 1997) : In : Technologieunternehmen im Innovationsprozeß (K. Koschatzky, Ed.) : Physica-Verlag : Heidelberg. pp. 247–266.

'Réseaux d'innovation et tissu industriel régional : une comparaison Alsace/Bade Wurtemberg' (J.-A. Héraud, R. Hahn, A. Gaiser, E. Muller, 1995). In : Technologie et performances économiques (B. Haudeville, J.-A. Héraud, M. Humbert, Eds.), Economica: Paris. pp. 97–121.

Communications during international conferences

'Creativity management: causation, effectuation and will', IKMAP 2016 conference, Kobe (Japan), October 23-24, 2016.

'Beyond smart specialisation: New insights for regional innovation policies', 6th Conference of the International Joseph A. Schumpeter Society (ISS), Montreal (Canada), 6-8 July, 2016.

'Knowledge angels ... and how they may contribute to the evolution of human resources in creating new forms of economic and social values', Symposium Tôyô University – University of Strasbourg : 'Innovative Human Capital in the Global Symbiotic Society : Creative Challenge of "Knowledge Angels" for the future work and Economy: France and Japan', Tokyo (Japan), September 22, 2015.

'Smart specialisation strategies and cross-border integration of regional innovation systems: Policy dynamics and challenges for the Upper Rhine', 10th Regional Innovation Policies Conference, 15-16 October 2015, Karlsruhe (Germany),

'Introduction to the European Service Innovation Scoreboard (ESIS)', International Conference 'European Service Innovation Center', 9-10 September 2014, Helsinki (Finland).

'Investigating KIBS: toward a new research agenda?', International Conference 'Exploring Knowledge intensive business services - Entrepreneurships, business models and knowledge management strategies', 18-19 March 2011, University of Padua (Italy).

'Knowledge Angels: How Creative People Foster Innovation in KIBS – Observations from Germany, France and China', DIME workshop: 'Technology, skills and geography', SPRU, Sussex University, Brighton (United Kingdom), 11–12 September 2009.

'Les nouvelles orientations du développement régional: le cas de l'Alsace' présentation au colloque Territoires et action publique territoriale de l'ASRDLF (Association des Sciences Régionales de Langue Française), Rimouski (Canada), 26 August 2008.

'Analysing Canadian clusters – a few figures on a few key-words', presentation at the Innovation Systems Research Network (ISRN) Meeting 2005, Toronto (Canada), May 5–6, 2005.

'Stars, cars and metal bars: some reflections on the empirical investigation of Canadian clusters', comments presented at the Innovation Systems Research Network (ISRN) Meeting 2004, Vancouver (Canada), May 13–15, 2004.

'The contribution of Knowledge-intensive Business Services (KIBS) to Regional Innovation Capacities' (in collaboration with A. Zenker), paper presented at the Six Countries Programme Conference on Services in Innovation, Utrecht (The Netherlands), May 11–12, 2000.

'Knowledge-intensive Business Services (KIBS) and Regional Innovation Capacities' (in collaboration with A. Zenker), paper presented at the 'HEC Montréal Conference 'L'économie du savoir : enjeux économiques et enjeux de gestion', Montréal (Canada), May 5–6, 2000.

'Knowledge, Innovation Processes and Regions', paper presented at the conference 'Innovation Networks - Concepts and Challenges in the European Perspective', Karlsruhe (Germany), November 18–19, 1999.

'There is No Territorial Fatality ! (or How Innovation Interactions between KIBS and SMEs May Modify the Development Patterns of Peripheral Regions)', paper presented at the 39th ERSA (European Regional Science Association) Congress, Dublin (Ireland), August 23–27, 1999.

'Innovation Interactions between KIBS and SMEs : A Virtuous Evolutionary Circle ? Empirical Evidence from France and Germany', paper presented at the 8th Annual RESER Conference Service-Manufacturing Links, Berlin (Germany), October 8–10, 1998.

'The Impact of Universities and Research Institutions Labs on the Creation and Diffusion of Innovation-Relevant Knowledge: the Case of the Upper-Rhine Valley' (in collaboration with J.-A. Héraud), paper presented at the 38th ERSA (European Regional Science Association) Congress, Vienna (Austria), August 28–31, 1998.

'Analysis of Innovation-oriented Networking Between R&D Intensive Small Firms and Knowledge Intensive Business Services - Empirical Evidence from France and Germany' (in collaboration with A. Zenker), paper presented at the High-Technology Small Firm Conference, Twente (The Netherlands), June 4–5, 1998.

'Firm Innovation and Region - Theoretical and Political Conclusions on Regional Innovation Networking' (in collaboration with K. Koschatzky), paper presented at the 37th ERSA (European Regional Science Association) Congress, Roma (Italy), August 26–29, 1997.

'Transition and Development of Innovation Capacities in Hungary' (in collaboration with R. Larue de Tournemine), paper presented at the symposium 'Innovationen in Europäischen Wachstumsregionen', Berlin (Germany), October 7–8, 1994.

Communications during workshops

'Centaur rising - How AI-human interactions will reinvent the very nature of expertise and what this will mean for the future of innovation policies in cities and regions', presentation at the workshop 'Innovation and cost management'. Constance (Germany), October 5, 2018.

'Smart specialization strategies – the Fraunhofer ISI survey(s)', evoREG workshop 'Innovation, territories and policies', Strasbourg (France), January 22, 2014.

'Évaluation des projets pilotes INNOV'30 et INNOV'60', Atelier de diffusion des résultats de la phase pilote de Management de l'innovation, Tunis (Tunisia), November 27, 2012.

'Grenzüberschreitend anders denken: Das Beispiel der Universität de Strasbourg am Oberrhein', Workshop 'Governance Regional' Berlin (Germany), November 20, 2012.

'Culture d'innovation, créativité et territoire : Cas de l'Alsace et du Rhin Supérieur', presentation at the congress 'Management du Futur' Council of Europe, Strasbourg (France), March 9, 2010.

'Kreativität in einer digitalisierten Popwelt', presentation at the congress 'Zukunft pop 08' Popakademie Baden-Württemberg, Mannheim (Germany), November 22, 2008.

'Objectifs et situation intermédiaire du programme d'accompagnement de la coopération Fraunhofer-Carnot', presentation at the workshop 'Recherche appliquée et PME en France et en Allemagne', Pôle Européen de Gestion et d'Economie, Strasbourg (France), October 24, 2008.

'Innovation aus Sicht der Ökonomik : kreative Zerstörung, Prozesse und Austausch', presentation at the DAI (German Archaeological Institute) workshop 'Innovation : technisch, sozial', Frankfurt/Main (Germany), June 29, 2007.

'Enlarging the ERA: Identifying priorities for regional policy focusing on research and technological development in the New Member States and Candidate Countries' (in collaboration with A. Jappe) presentation at the European Commission (DG Research), Brussels (Belgium), January 30, 2006.

'Regional innovation systems and knowledge-based regional development', presentation at the inaugural meeting of the Euro-Latin American Forum, Turin (Italy), October 6–8, 2005.

'Enlarging the European Research Area : identifying priorities for regional policy focusing on Research and Technological Development : the RISSECO project' (in collaboration with C. Nauwelaers), presentation at the European Commission (DG Research) Expert Group meeting 'Constructing regional advantage', Brussels (Belgium), February 1, 2005.

'Strengthening & materialising creativity: The role of business incubators', paper presented at the Trentino plus 10 Foresight Workshop, Trento (Italy), July 14–15, 2003.

'The RETINE Project : Introducing Regions and Innovation-related Needs in the Multi-layer Logic of the ERA' (in collaboration with A. Zenker and J.-A. Héraud), paper presented at the Autumn Workshop of the Working Group on Politics and Technology of the German Political Science Association, Karlsruhe (Germany), November 9–10, 2001.

'Main Results of the Innovation Survey Carried Out in the region West Transdanubia : Preconditions in West Transdanubia for Using Regional Resources in Global Competition' (in collaboration with A. Zenker and T. Döry), paper presented at the workshop 'Innovation and Technology Policy Action Plan for Increasing of Innovation Potential of the Region West Transdanubia', Győr (Hungary), December 14, 2000.

'University-Industry Relations and Innovations in Regions' (in collaboration with A. Zenker), paper presented to the Network of Innovating Regions in Europe at the CEEC Exchange Meeting, Budapest (Hungary), April 10–11, 2000.

'The role of policies and institutions in the regional innovation capabilities' (in collaboration with J.-A. Héraud, A. Sander and A. Zenker), paper presented at the CONVERGE workshop, Strasbourg (France), January 7–8, 2000.

'Knowledge, Innovation and Regions – Conceptual Challenges and Empirical Responses' (in collaboration with A. Zenker), paper presented to the delegation of the Centre for Science Research and Statistics (CSRS, Moscow), Karlsruhe (Germany), February 1, 1999.

'Innovation, PME et services intensifs en information', paper presented at the meeting 'L'efficacité des systèmes d'aide à l'innovation des PME', Université Louis Pasteur, Strasbourg (France), June 26, 1997.

'Hochwertige Dienstleistungsunternehmen - Einige theoretische Überlegungen und empirische Hinweise', paper presented at the DFG (Deutsche Forschungsgemeinschaft) Conference 'Technologischer Wandel und Regionalentwicklung in Europa', Schwerte (Germany), May 29–31, 1997.

'Analyse régionale des interactions à caractère innovant entre PME manufacturières et tertiaire supérieur', paper presented at INRS-Urbanisation (Institut National de la Recherche Scientifique), Montréal (Canada), October 9, 1996.

'Innovationspotentiale Baden-Elsaß', paper presented at the DFG (Deutsche Forschungsgemeinschaft) Conference 'Technologischer Wandel und Regionalentwicklung in Europa', Freiberg (Germany), May 9–12, 1996.

'Some Elements of Reflection on the Analysis of Demand', paper presented at the workshop 'Regional Innovation and Technology Transfer Strategies and Infrastructures', Luxembourg (Great Duchy of Luxembourg), May 31, 1995.

'Regional Technology Policy - Main Results of the Workshop', paper presented at the workshop 'Regional Technology Policy', Maribor (Slovenia), November 10–11, 1994.

Working papers

'Éléments de cadrage d'une évaluation ex ante des impacts socio-économiques du projet «Pour un Grenelle des mobilités»' (in collaboration with J.-A. Héraud). evoREG research note. Strasbourg, November 2018.

'Creativity management: causation, effectuation and will' (in collaboration with J.-A. Héraud). evoREG research note. Strasbourg, October 2016.

'Are innovation systems complex systems?' (in collaboration with J.-A. Héraud and A. Zenker). evoREG research note. Strasbourg, June 2016.

'Attractivité des territoires : mirages, virages et ancrages'. evoREG research note. Strasbourg, June 2016.

'Attractivité endogène et profils métropolitains - Strasbourg en milieu de tableau des métropoles françaises'. evoREG research note. Strasbourg, June 2015.

'Service Innovation and Economic Performance at Regional Level' (in collaboration with A. Zenker and H. Hollanders). evoREG research note. Strasbourg, March 2015.

'Policy dynamics and challenges for the Upper Rhine - Cross-border integration of regional innovation systems and smart specialisation strategies' (in collaboration with A. Zenker, M. Hunagl, J.-A. Héraud and E. Schnabl). evoREG research note. Strasbourg, January 2015.

'Attractivités métropolitaines comparées : quid de Strasbourg ?'. evoREG research note. Strasbourg, November 2014.

'From Smart Concept to Challenging Practice - How European Regions Deal with the Commission's Request for Novel Innovation Strategies' (in collaboration with H. Kroll, E. Schnabl and A. Zenker. Fraunhofer ISI Working Papers Firms and Region, Karlsruhe, No. R2/2014.

'Revisiter l'attractivité strasbourgeoise - Quelques concepts et pistes'. evoREG research note. Strasbourg, November 2013.

'Ways and means of cooperation along evolutionary economics in the Upper Rhine: the BETA-ISI link' (in collaboration with J.-A. Héraud and K. Koschatzky). evoREG research note. Strasbourg, April 2012.

'Le soutien local et régional apporté aux Universités : quelques réflexions basées sur des observations internationales' (in collaboration with J.-A. Héraud, A. Zenker and D.-A. Bonne). evoREG research note. Strasbourg, December 2011.

'Happiness and innovation - Avenues for further research' (in collaboration with T. Stehnken and A. Zenker). and D.-A. Bonne). evoREG research note. Strasbourg, November 2011.

'Virtual Open Projects and Communities' (in collaboration with J.-C. Ramos). evoREG research note. Strasbourg, October 2011.

'Clusters et politiques de clusters en Allemagne et au Canada' (in collaboration with A. Zenker and E. Schricke). evoREG research note. Strasbourg, May 2011.

'Note bibliographique sur la mesure de l'impact et l'évaluation des clusters' (in collaboration with J.-A. Héraud, N. Menz, M. Benaim and A. Zenker). evoREG research note. Strasbourg, January 2011.

'Résultats d'une enquête portant sur la perception du Rhin Supérieur par les acteurs du Pilier Science de l'opération Région Métropolitaine Trinationale' (in collaboration with M. Peters, J.-A. Héraud, A. Zenker and F. Gosselin). evoREG research note. Strasbourg, November 2010.

'Die Wahrnehmung des Oberrheins durch die Akteure der Säule Wissenschaft in der Trinationalen Metropolregion Oberrhein (TMO)' (in collaboration with M. Peters, J.-A. Héraud, A. Zenker and F. Gosselin). evoREG research note. Strasbourg, November 2010.

'Un Ideas Lab à Strasbourg : Quelles perspectives' (in collaboration with F. Gosselin, J.-A. Héraud, A. Zenker and L. Simon). evoREG research note. Strasbourg, December 2009.

'Entering the KIBS's Black Box: There Must Be an Angel! (Or Is There Something Like a Knowledge Angel?)' (in collaboration with A. Zenker and J.-A. Héraud). Fraunhofer ISI Working Papers Firms and Region, Karlsruhe, No. R7/2009.

'France: Innovation System and Innovation Policy' (in collaboration with A. Zenker and J.-A. Héraud). Fraunhofer ISI Discussion Papers Innovation Systems and Policy Analysis, Karlsruhe, No. 18, 2009.

'Services à forte intensité de connaissances, contexte régional et comportements d'innovation : une comparaison internationale' (in collaboration with D. Doloreux, A. Zenker). Fraunhofer ISI Working Papers Firms and Region, Karlsruhe, No. R1/2008.

'The key dimensions of knowledge-intensive business services (KIBS) analysis : a decade of evolution' (in collaboration with D. Doloreux). Fraunhofer ISI Working Papers Firms and Region, Karlsruhe, No. R1/2007.

'A regional typology of innovation capacities in New Member States & Candidate Countries' (in collaboration with A. Jappe, J.-A. Héraud and A. Zenker). Document de travail BETA n° 2006-18. Université Louis Pasteur, Strasbourg, 2006.

'A regional typology of innovation capacities in New Member States & Candidate Countries' (in collaboration with A. Jappe, J.-A. Héraud and A. Zenker). Fraunhofer ISI Working Papers Firms and Region, Karlsruhe, No. R1/2006.

'Business services as actors of knowledge transformation and diffusion : some empirical findings on the role of KIBS in regional and national innovation systems' (in collaboration with A. Zenker). Fraunhofer ISI working paper, series Firms and Region, Karlsruhe, No. R2/2001.

'There is no territorial fatality ! (or how innovation interactions between KIBS and SMEs may modify the development patterns of peripheral regions)'. Fraunhofer ISI working paper, series Firms and Region, Karlsruhe, No. R3/1999.

'Analyse von innovationsorientierten Beziehungen zwischen industriellen KMUs und hochwertigen Unternehmensdienstleistern - Theoretische Überlegungen und empirische Hinweise'. Fraunhofer ISI working paper, Karlsruhe, 1997.

'Entwicklungs- und Innovationspotentiale der Industrie im Elsaß' (in collaboration with H. Traxel). Fraunhofer ISI working paper, Karlsruhe, 1997.

'Regionale Inventions- und Adaptionstile - Untersuchungen zu "different best practices" bei der Einführung von CIM-Techniken in Deutschland' (in collaboration with K. Koschatzky, C. Dreher and U. Gundrum). Fraunhofer ISI working paper, Karlsruhe, 1996.

'Regionale Innovations- und Technologieförderung - Ansatzpunkte für die Nutzung regionaler Innovationspotentiale' (in collaboration with K. Koschatzky and U. Gundrum). Fraunhofer ISI working paper, Karlsruhe, 1995.

Reports

EFFORTI: Evaluation Framework for Promoting Gender Equality in R&I - Horizon 2020 - Science with and for Society (SWAFS) programme - Country Note France. Fraunhofer ISI report prepared on behalf of the European Commission. Karlsruhe, 2017.

Frugal innovation for Europe (under the direction of H. Kroll). Fraunhofer ISI – NESTA report prepared on behalf of the European Commission. Karlsruhe, London, 2017.

Review of Ireland's membership of International Research Organisations (under the direction of A. Kennedy). CIRCA – Fraunhofer ISI report prepared for the Irish Department of Jobs, Enterprise and Innovation. Dublin, Karlsruhe, 2015.

MAMSI : Mission d'assistance à la structuration et au marketing des services innovation en Tunisie (in cooperation with A. Zenker). Fraunhofer ISI report for the German International Cooperation Society (GIZ), Karlsruhe, 2014.

ESIC: Methodology report - European Service Innovation Scoreboard (in cooperation with H. Hollanders et al.). Report prepared for the European Commission – DG Enterprise, Maastricht et al., 2014.

Évaluation des projets pilotes "INNOV'30" et "INNOV'60" – Soutien méthodologique réalisé par l'Institut Fraunhofer d'Étude des Systèmes et d'Innovation (in cooperation with A. Zenker). Fraunhofer ISI report for the German International Cooperation Society (GIZ), Karlsruhe, 2012.

Laboratoire d'usages et d'idées de Strasbourg (in cooperation with F. Gosselin and J.-A. Héraud). BETA/Fraunhofer ISI report prepared for the Agence Régionale d'Innovation Alsace, 2010.

Regards croisés sur la culture d'innovation et la créativité en Alsace. BETA/Fraunhofer ISI/Strasbourg Conseil report prepared for the Région Alsace, 2009.

Culture régionale d'innovation: une revue du champ de recherche (in cooperation with J.-A. Héraud and T. Rafanomezantsoa). BETA/Fraunhofer ISI report prepared for the Région Alsace, 2009.

The French Innovation System and Policies (in cooperation with A. Zenker and J.-A. Héraud). Fraunhofer ISI report prepared for the German Federal Research Ministry, 2008.

Les entreprises de services à forte intensité de connaissances : étude du cas du Québec en comparaison avec l'Europe (in cooperation with D ; Doloreux and R. Shearmur). Report prepared for the Ministry of Regions and Universities of Québec, 2008.

Specific Analysis on the Regional Dimensions of Investment in Research. The case of Midi-Pyrénées. Report prepared on behalf of IPTS, European Commission, 2007.

Study on the trends in European public and private investments in ICT R&D and on the globalisation of R&D and the competitiveness of the European innovation system in ICT. Country report France. Report prepared in the frame of the ETEPS network on behalf of IPTS, European Commission, 2007.

Enlarging the ERA : identifying priorities for regional policy focusing on research and technological development in the New Member States and Candidate Countries (under the direction of E. Muller and C. Nauwelaers). Collective working report Fraunhofer ISI/MERIT prepared for the European Commission, DG Research, 2005.

The Science and Technology Base of the Provincia Autonoma di Trento: Capacities, Trends and Opportunities (in co-operation with K. Cuhls, A. Jappe, K. Koschatzky, S. Kuhlmann, V. Lo, T. Stahlecker). Fraunhofer ISI report prepared for the Autonomous Province Authority of Trento, 2003.

Technologiestadtteil Bremen (under the direction of Ernst Basler + Partner AG). Collective report prepared for the Senator for Economic Affairs of the Free State of Bremen, 2003.

Institutions of technological support and regional innovation-based strategies (under the direction of E. Muller). Fraunhofer ISI working document targeted to the support of lagging-behind regions of Argentina on behalf of the Columbus association, 2003.

Regional Indicators of e-Government and e-Business in Information Society Technologies - Report on methods, targets and indicators (in co-operation with M. Atakhan, B. Beckert, S. Kimpeler, and A. Zenker). Collective working report Fraunhofer ISI prepared for the European Commission, DG Information Society, 2002.

FuE-Dienstleistungen in Deutschland - Bestandsaufnahme, Marktanalyse und innovationspolitische Schlussfolgerungen (under the direction of K. Koschatzky). Fraunhofer ISI report prepared for the German Federal Research Ministry, 2002.

Systematischer Vergleich der Instrumente und Institutionen der finanziellen Förderung von KMU in ausgewählten Ländern der EU (under the direction of M. Kulicke). Fraunhofer ISI report prepared for the German Federal Ministry of Economic Affairs, 2002.

RETINE [REgional Typology of Innovation NEeds] (under the direction of E. Muller). Collective working report Fraunhofer ISI/BETA prepared for the European Commission, DG Research, 2001.

Regionale Verteilung von Innovations- und Technologiepotentialen in Deutschland und Europa (under the direction of K. Koschatzky). Fraunhofer ISI report prepared for the German Federal Research Ministry, 2001.

Entwicklung eines Indikatorensystems zur Potentialanalyse von Forschung und Innovation in Ungarn (under the direction of G. Walter). Fraunhofer ISI report prepared for the German Federal Research Ministry, 2000.

TIPIK: Technology and Infrastructures Policy in the Knowledge-based Economy - The Impact of the Tendency towards Codification of Knowledge (in collaboration with A. Zenker and F. Meyer-Krahmer). Fraunhofer ISI report prepared for the European Commission – DG Research, 2000.

Zur technologischen Leistungsfähigkeit Deutschlands - Zusammenfassender Endbericht 1999 (under the direction of G. Licht and H. Legler). Collective report ZEW/NIW/DIW/Fraunhofer ISI prepared for the German Federal Research Ministry, 2000.

The Consequences of a Growing Codification of Knowledge on the Evolution Capacities of European Firms and Regions – Reflections and Hypotheses (in collaboration with A. Zenker and F. Meyer-Krahmer). Working report Fraunhofer ISI prepared for the European Commission – DG XII, 1998.

Evaluation de la Technopole de Nancy Brabois (in collaboration with C. Lemaignan, K. Koschatzky et J. de Saint-Martin). Collective report 3IN/Fraunhofer ISI prepared for ADUAN (Agence de Développement et d'Urbanisme de l'Agglomération Nancéienne) and the European Commission - DG XIII, 1997.

Institutions of Technological Infrastructure (under the direction of K. Koschatzky and J.-A. Héraud). Collective report Fraunhofer ISI/BETA prepared for the European Commission – Eurostat, 1996.

Needs Analysis of the Innovation and Technology Support Requirements of Firms within a Region (in collaboration with U. Gundrum and K. Koschatzky). Fraunhofer ISI report prepared for the European Commission - DG XIII, 1995.

Innovative Regions? A Comparative Review of Methods of Evaluating Regional Innovation Potential (in collaboration with C. Nauwelaers, A. Reid, U. Gundrum and K. Koschatzky). European Innovation Monitoring System (EIMS) Report N. 21, European Commission - DG XIII, 1995.

Horizontal Review of Regional Innovation Capabilities (in collaboration with U. Gundrum and K. Koschatzky). Fraunhofer ISI report prepared for the European Commission - DG XIII, 1994.

Report on the Expert Workshop 'Regional Technology Policy' (in collaboration with U. Gundrum). Proceedings of the Fraunhofer ISI workshop for the German Federal Research Ministry, 1994.

Renditen von Venture-Capital-Gesellschaften (in collaboration with M. Kulicke). Fraunhofer ISI report prepared for the German Federal Research Ministry, 1994.

Le Système d'Innovation Hongrois et son Financement (under the supervision of J.-L. Netzer, I. Hronsky and J.-A. Héraud). Report prepared with the support of the Regional Council of Alsace, 1993.

Les Indicateurs Régionaux de R-D et d'Innovation: Le Cas de l'Alsace (under the direction of P. Cohendet and J.-A. Héraud). BETA report prepared for the French Observatory of Sciences and Technologies (OST), 1993.

Les Réseaux Economiques et Technologiques de l'Industrie Alsacienne (under the direction of J.-A. Héraud). BETA report prepared for the Regional Council of Alsace, 1993.