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- 3. Present Position:** Full Professor of Economics  
 Head of Saint-Etienne School of Economics
- 4. Previous Positions:** Associate Professor of Economics, 2001-2015  
 Visiting scholar (University of Cagliari) April 2011  
 Assistant Professor (University of Saint-Etienne and Presles College, 2000-01)  
 Assistant Professor (University of Saint-Etienne, 1996-2000)  
 Assistant Professor (Val de Saône College, Trévoux, 1995-96)
- 5. Education:** Habilitation (HDR), Economics, University of Saint-Etienne, October 2010  
 Ph.D., Economics, University of Saint-Etienne, 2000  
 Master in Monetary Economics, University of Lyon II, 1996  
 CAPES in Economic and Social Sciences, 1995

#### 6. Refereed Journal Articles:

- (1) Effects of cluster policies on regional inventor networks: Evidence from France (with Alain N’Ghauran), **Regional Studies**, 2022, 56:11, 1903-1918.
- (2) Assessing the collaboration and network additionality of innovation policies: a counterfactual approach to the French cluster policy (with Alain N’Ghauran), **Industrial and Corporate Change**, 2021, vol. 26(1).
- (3) A heterogeneous coefficient approach to the knowledge production function (with J. LeSage), **Spatial Economic Analysis**, 2019, vol. 14(2), pages 196-218.
- (4) Agglomeration externalities in Ecuador. Do urbanisation and tertiarisation matter? (with C. Guevara and S. Riou), **Regional Studies**, 2019, vol. 53(5), pages 706-719.
- (5) The Role of R&D Collaboration Networks on Regional Knowledge Creation: Evidence from Information and Communication Technologies (with S. Hazir and J. LeSage), **Papers in Regional Science**, 2018, 97-3, pp.579-567.
- (6) European Knowledge Neighbourhood: Knowledge production in EU neighboring countries and intensity of the relationship with EU countries (with Chalaye, S., Gagliardini, E., & Usai, S.), **Tijdschrift voor economische en sociale geografie, Journal of Economic and Social Geography**, 2017, 108(1), pp 52-75.
- (7) Technological interdependence between South American countries: A spatial panel data growth model (with Carolina Guevara), **Revue d’Economie Régionale et Urbaine**, 2015, 1-2, pp 181-210.
- (8) Geography of Innovation: New Trends and Implications for Public Policy Renewal (with Nadine Massard), **Regional Studies**, 2015, 49(11),pp 1767-1771.
- (9) Determinants of cross-regional R&D collaboration: some empirical evidence from Europe in biotechnology (with Selin Hazir), **Annals of Regional Science**, 2014, 53 (2), pp 369-393.
- (10) Editors’ introduction to spatial knowledge networks: structure\, driving forces and innovative performances (with R. Cowan and N. Massard), **Annals of Regional Science**, 2014, 53 (2), pp 315-323.
- (11) Knowledge Diffusion and Innovation Policies within the European Regions: New Challenges based on recent empirical evidence (with Muriel Fadaïro and Nadine Massard), **Research Policy**, 2013, 42 (1), pp. 196-210.
- (12) Spatial econometrics of innovation: Recent contributions and research perspectives, **Spatial Economic Analysis**, 2012, vol. 7 n°4, décembre, pp.403-419.
- (13) Agglomeration and social return to R&D: Evidence from French plant productivity changes (with Jean-Pascal Guironnet and Nadine Massard), **International Journal of Production Economics**, 2011, vol. 132, n° 1, pp. 34-42.

- (14) Quantifying knowledge spillovers using spatial econometric tools (with James LeSage), **Journal of Regional Science**, 2011, vol. 51, n° 3, pp. 471–496.
- (15) Innovation et espace – Des externalités aux réseaux (with Pascal Billand and Nadine Massard), **Revue d'Economie Industrielle**, 2010, n°129-130, pp. 203-236.
- (16) Adoption of innovation. A typology of EU countries based on the innovation survey (with Sylvie Chalaye, Fabio Manca, Rosina Moreno, Jordi Surinach), **Innovation: The European Journal of Social Science Research**, 2010, Vol 23, Issue 3, pp. 199-222.
- (17) Spatial Econometrics, Innovative Networks and Growth, Introduction to the special issue (with James LeSage James and Nadine Massard) **Annales d'Economie et de Statistiques**, 2007, 87-88, pp.1-7.
- (18) Firm Innovation Strategies: a spatial cohort multinomial probit approach (with James LeSage and Olivier Parent), **Annales d'Economie et de Statistiques**, 2007, 87-88, pp. 63-80.
- (19) Spatial knowledge diffusion through collaborative networks, Introduction to the special issue (with Jacques Mairesse and Nadine Massard), **Papers in Regional Science**, 2007, 86 (3), pp. 341-350.
- (20) Social distance versus spatial distance in R&D cooperation. Empirical evidence from European collaboration choices in Micro and nanotechnologies (with Pascal Billand, David Frachisse and Nadine Massard) **Papers in Regional Science**, 2007, 86 (3), pp. 495-519.
- (21) Where do firms choose to locate their R&D? A spatial conditional logit on French data, **European Planning Studies**, 2006, vol. 14, No. 9, October, pp. 1187-1208.
- (22) Creation of biotech SMEs in France: The role of local environment (with Vincent Mangematin and Nadine Massard), **Small Business Economics**, 2006, vol. 26, No. 2, pp. 173-187.
- (23) The geography of knowledge spillovers and technological proximity, **Economics of Innovation and New Technology**, 2001, vol. 10, pp.237-254.
- (24) Science and knowledge flows: Evidence from the French case, **Research Policy**, 2001, vol. 30, No. 7, pp. 1069-1078.
- (25) Econométrie des externalités technologiques locales et géographie de l'innovation : Une analyse critique (with Nadine Massard), 1999, **Economie Appliquée**, vol. LII, No. 4, pp. 35-68.

#### 7. Other Articles:

- (1) Les déterminants géographiques de l'innovation : diffusion spatiale des connaissances et choix de localisation (with Sylvie Charlot and Nadine Massard), in Thierry Madiès and Jean-Claude Prager (eds) Innovation et compétitivité des régions, Rapport Conseil d'Analyse Economique, La documentation Française, pp.227-266. **La documentation française**, 2008.
- (2) L'influence de l'environnement régional sur la création et la croissance des PME de biotechnologie (with Vincent Mangematin and Nadine Massard), **Education et Formation**, 2006, no.73.
- (3) TIC, diffusion spatiale des connaissances et agglomération (with Christine Largeron and Nadine Massard), **Géographie, Economie et Société**, 2003, no.5, p. 311-330.

#### 8. Editing of special issues:

- (1) Special issue of **Regional Studies**, Geography of Innovation: New trends and implications for public policy, 2015, 49(11), co-edited with Nadine Massard.
- (2) Special issue of **Annals of Regional Science**, Spatial knowledge networks and innovative performances, 2014, 53(2), co-edited with Robin Cowan and Nadine Massard.
- (3) Special issue of the **Annales d'Economie et de Statistiques**, 2007, 87-88, co-edited with James LeSage James and Nadine Massard.
- (4) Special issue of **Papers in Regional Science**, 2007, 86(3), co-edited with Jacques Mairesse and Nadine Massard.

#### 9. Books and Chapters in books:

- (1) Geography of Innovation: New Trends and Implication for Public Policy Renewal (With Nadine Massard), 2018, **Taylor&Francis**, Regions and Cities, Special issues as books.

- (2) Network Formation and Geography: Modelling Approaches, Underlying Conceptions, Recent and Promising Extensions (with Selin Hazir), in T. Scherngell (ed.) 2013, *The geography of networks and R&D collaborations*, **Springer**, series "Advances in Spatial Science", pp. 15-28.
- (3) Innovation and space – From externalities to networks (with Pascal Billand and Nadine Massard), in Johansson, Karlsson and Stough (eds.), 2012, *The Regional Economics of Knowledge and Talent*, **Edward Elgar**, 2012, pp. 63-97.
- (4) Individual and regional determinants of R&D location, in Arauzo, J.M. and Manjón, M. (eds.), 2007, *Entrepreneurship, Industrial location and Economic Growth*, **Edward Elgar**, pp. 271-293.
- (5) Pecuniary and knowledge externalities as agglomeration forces: Empirical evidence from individual French data (with Nadine Massard), in Jordi Suriñach, Rosina Moreno and Esther Vayà (eds.), 2007 *Knowledge Externalities, Innovation Clusters and Regional Development*, **Edward Elgar**.
- (6) Décision de coopérer et réseau européen de collaborations en micro et nanotechnologies, in J-F Boujut, D. Llerena and D. Brissaud (dir.), 2007, *Les systèmes de production. Applications interdisciplinaires et mutations*, **Hermès**, Lavoisier, pp. 247-262.
- (7) Individual and regional determinants of R&D location, in Arauzo, J.M. and Manjón, M. (eds.), 2006, *Entrepreneurship, Industrial location and Economic Growth*, **Edward Elgar**.
- (8) Creation and growth of high-tech SMEs: the role of local environment (with Vincent Mangematin and Nadine Massard), in Laage-Hellman, J., McKelvey, M., Rickne, A., 2003, *The Economic Dynamics of Modern Biotechnology: Europe in Global Trends*, Camberley (UK):**Edward Elgar**, p.368.
- (9) Proximités et activités de R&D (with Christophe Carrincazeaux, Frédéric Corroleur, Michel Grossetti, Nadine Massard), in Claude Dupuy and Antje Burmeister, ed., 2003, *Entreprises et territoires. Les nouveaux enjeux de la proximité*, **La Documentation Française**, coll. Les études de la DF, pp. 71-90.
- (10) The geography of knowledge spillovers and technological proximity, in M. Feldman and N. Massard, ed., 2002, *Knowledge spillovers and the geography of innovation: Institutions and systems of innovation*, **Kluwer Academic Publishers**.

#### 10. Recent working papers and work in progress:

- (1) Aides régionales directes à la R&D privée : enjeux, freins et conditions de mise en place effective d'un dispositif d'évaluation quantitative (with Nesrine Bouzoughoub, 2023)
- (2) Structural holes in networks of cross-organizational R&D teams (with Selin Hazir), 2022.
- (3) Evaluating public policy impact on large firms: a synthetic control approach applied to the science-industry transfer policies (with Ruben Fotso and Nadine Massard), Working paper GATE 2020.

#### 11. Scientific reports:

- (1) Évaluation économétrique de l'impact des Instituts de Recherche Technologique et des Instituts pour la Transition Énergétique (2020). Ministère de l'économie, des finances et de la relance. (with Eparvier, P., de Clairfontaine, A. F., N'Ghauran, A., Seawert, A., Fotso, R., & Laurens, P., Technopolis Group).
- (2) Impacts économiques et territoriaux des pôles de compétitivité selon les territoires (2020). Commissariat Général à l'Égalité des Territoires and France Stratégie Final report.
- (3) L'impact socioéconomique de l'IRT Nanoelec : actualisation et extension (2018). Institut de Recherche Technologique Nanoelec Final report. (with R. Fotso and C. Lecavelier)
- (4) Evaluation de l'Octroi de Mer (2017). Ministère des Outre Mer Final report. (with S. Bonnand-Combret et C. Lecavelier De Etangs Levallois)
- (5) L'impact socioéconomique de l'IRT Nanoelec (2017). Institut de Recherche Technologique Nanoelec Final report. (with A. Adamiak-Forte and S. Bonnand-Combret)
- (6) Assistance à maîtrise d'ouvrage pour la mise en œuvre du mécanisme de suivi et d'évaluation de la Stratégie Régionale d'Innovation vers la Spécialisation Intelligente (2016). Bourgogne-Franche-Comté Region Final report. (with A. Adamiak-Forte and S. Bonnand-Combret)
- (7) Observation des pôles et clusters en Rhône-Alpes (2016). Rhône-Alpes Region Final report (with A. Adamiak-Forte and S. Bonnand-Combret)
- (8) L'impact économique des parcs scientifiques (2015). Report for Société du Grand Paris

- (9) Revue des actions du programme d'investissement d'avenir en faveur de la structuration des filières industrielles, du travail collaboratif et du partage de ressources (2015), BPI Final report (Banque Publique d'Investissement). (with Sylvie Chalaye and Nadine Massard)
- (10) Production d'indicateurs d'innovation pour observer le positionnement des nouvelles régions françaises en Europe (2015), FNAU Final report (Fédération Nationale des Agences d'Urbanisme). (with Sylvie Chalaye and Nadine Massard)
- (11) Appui à la constitution du référentiel de données d'impact en termes de coopérations au sein de l'IRT Nanoelec (2015), IRT Nanoelec Final report. (with Sylvie Chalaye and Nadine Massard)
- (12) Appui à la définition des périmètres et des indicateurs d'impact des DSI (Domaines de Spécialisation Intelligente) de la SRI-SI de la Région Rhône-Alpes (2015), Conseil régional Rhône-Alpes Final report. (with Sylvie Chalaye and Nadine Massard)
- (13) Evaluation des dispositifs AIR (Aide à l'Innovation Responsable) et AIMA (Aide à la Maturation de Projets Innovants). (2014), Conseil régional Ile-de-France final report. (with Sylvie Chalaye and Nadine Massard)
- (14) Les clusters de la Loire : Soutien méthodologique en vue de leur évaluation (2014), Conseil général de la Loire final report. (with Sylvie Chalaye and Nadine Massard)
- (15) Etude ex ante relative à la mise en place d'instruments d'ingénierie financière (2014), Conseil régional Ile de France final report. (with Sylvie Chalaye and Nadine Massard)
- (16) Mise en œuvre d'actions en faveur du développement des écotechnologies en Alsace (2014), DIRECCTE Alsace final report. (with Sylvie Chalaye and Nadine Massard)
- (17) Les relations d'innovation dans les systèmes urbains régionaux – Application aux régions Rhône-Alpes et PACA (2014) FNAU final report (Fédération Nationale des Agences d'Urbanisme). (with Sylvie Chalaye and Nadine Massard)
- (18) Bilan des travaux de la Stratégie Régionale d'Innovation francilienne pour la période 2007-2013 et définition de la déclinaison régionale de la stratégie de spécialisation intelligente pour la mise en place du programme opérationnel francilien 2014/2020. (2013) Final report, Région Ile de France. (with Sylvie Chalaye and Nadine Massard)
- (19) Observation des pôles et clusters de Rhône-Alpes (2013), Conseil régional de Rhône-Alpes final report. (with Sylvie Chalaye and Nadine Massard)
- (20) Knowledge diffusion between European countries and European Neighbouring countries (2012), SEARCH deliverable, November.
- (21) Scientific support to policy activities related to the impact of knowledge flows on regional productivity (2010), IAREG deliverable 4.4, January.
- (22) The underlying mechanisms of knowledge diffusion (2009), IAREG Deliverable 4.2a (with Nadine Massard), December.
- (23) The impact of knowledge flows on firm's performance (2009), IAREG deliverable 4.2b (with Gerd Schienstock), December.
- (24) The Diffusion/Adoption of Innovation in the Internal Market.(2009) Bruxelles: European Communities (with Jordi Surinach, Fabio Manca, Nadine Massard and Rosina Moreno).
- (25) Etude sur la conception et l'analyse d'indicateurs stratégiques de l'innovation dans les territoires (2008). DIACT (with Sylvie Chalaye and Nadine Massard).
- (26) Compétition scientifique et technique des régions : le cas des biotechnologies (2003). Ministère de l'Education Nationale. Sous-direction des statistiques. (with Nadine Massard and Stéphane Riou) Avril.
- (27) Polarisation des activités de recherche-développement et diffusion des connaissances (2003). Commissariat Général du Plan. (with Nadine Massard and Stéphane Riou) Juin.
- (28) Production de connaissances et innovation : positionnement et enjeux (2003). MIIAT Bassin Parisien (with Nadine Massard and Stéphane Riou) Juin.

## 12. Invited Conferences and Seminars:

- (1) Evaluation of regional innovation policies, Utrecht PhD Programme, May 12, 2022
- (2) Effects of cluster policies on regional inventor networks: Evidence from France, Workshop IMPACT, Grenoble, September 7, 2021.

- (3) Evaluation of the French national cluster policy: Some lessons for place-based policies, Keynote Speech, VI International Meeting of Economics National Polytechnic School of Quito, September 1, 2021.
- (4) Cross-unit R&D teams, structural hole formation and their impact on innovation performances, GATE internal Seminar, February 4, 2021.
- (5) Evaluating public policy impact on large firms: a synthetic control approach applied to the science-industry transfer policies, AQR seminar, October 23, 2020.
- (6) Evaluation of the French national cluster policy: Some lessons for place-based policies, Joint Research Center, Commission Européenne, March 4, 2020.
- (7) Cluster policy and SME performances: Subsidized R&D collaborations versus informal knowledge exchange, Workshop axe Politiques publiques et espace, GATE Lyon Saint-Etienne, September 6 2019.
- (8) Innovation et développement territorial, Future Days - Innovation et Villes de demain, Université Paris-Est, Novembre 21, 2018.
- (9) Normativité et évaluations des politiques publiques, 4th International Conference of Philosophy and Economics, Lyon 28 juin 2018.
- (10) L'évaluation est-elle une science, Journées françaises de l'évaluation, Paris, 16-17 novembre 2017
- (11) Quel modèle gagnant de parc scientifique ? Conférence-débat du pôle Matikem, Villeneuve d'Asq, 29 mars 2017
- (12) The Role of R&D Collaboration Networks on Regional Knowledge Creation: Evidence from Information and Communication Technologies (with S. Hazir et J. LeSage), internal GATE-LSE seminar, September 29, 2016.
- (13) The Role of R&D Collaboration Networks on Regional Innovation Performance (with S. Hazir et J. LeSage), Spatial economic workshop, Ecully, December 2014.
- (14) The determinants of innovation: Analysis of the regional effects from the regionalized Community Innovation Survey (with Michelle Mongo, Benoît Buisson, Lionel Doisneau), CRENOS Seminar, Cagliari, May 2011.
- (15) Agglomeration and social return to R&D: Evidence from French plant productivity changes (with Jean-Pascal Guironnet and Nadine Massard), CRENOS Seminar, Cagliari, May 2011.
- (16) Quantifying knowledge spillovers using spatial econometric tools (with James LeSage), CRENOS Seminar, Cagliari, May 2011.
- (17) Spatial econometrics of innovation: Recent contributions and perspectives, DIME workshop Regional innovation and growth: Theory, empirics and policy analysis, Pécs, March 31st – April 1st, 2011.
- (18) Quantifying knowledge spillovers (with James LeSage), CORE Seminar, Université Catholique de Louvain-La-Neuve, May 13th, 2009.
- (19) Innovation et espace - Des externalités aux réseaux, Forum L'innovation à l'ère du web, Lyon, April 2009.
- (20) Specialization, diversity and geographical diffusion of knowledge (with James LeSage), Workshop XREAP, Barcelone, July 1st, 2008.
- (21) Firm Innovation Strategies: a spatial cohort multinomial probit approach (with James LeSage and Olivier Parent), Seminar of Ecole Polytechnique de Milan, July 17th, 2007.
- (22) Collaborative networks and spatial knowledge diffusion, Uddevalla Symposium, Sweden, June 14th-16th, 2007.
- (23) Collaborative networks and spatial knowledge diffusion, AQR seminar, Barcelone, November 27th, 2007.
- (24) Décisions d'implantation des PME de biotechnologies. Une étude sur données françaises (with Nadine Massard), UMR Métafort Seminar, Clermont-Ferrand, June 6th 2006
- (25) R&D lab location. Evidence from the French case, CESPRI Seminar, Milan, April 26th, 2006.
- (26) Compétition scientifique, technique et économique entre régions en biotechnologie (with Vincent Mangematin and Nadine Massard), REPERE seminar, Recherche publique et Dynamiques régionales, Ministère délégué à la recherche et aux nouvelles technologies, Paris, June 24th, 2003.
- (27) Creation and growth of high tech SMEs: The role of local environment (with Vincent Mangematin and Nadine Massard), Workshop Clusters in high-technology Aerospace, biotechnology and software compared, Montréal, Canada, November 1st, 2002.

### 13. Refereed Conferences:

- (1) Structural holes in networks of cross-organizational R&D teams (with Selin Hazir), GEOINNO2022, Milano, July 5-7, 2022
- (2) Assessing the collaboration and network additionality of innovation policies: a counterfactual approach to the French cluster policy (with Alain N'Gauran), 67th Annual North American Meetings of the Regional Science Association International, November 9-13, 2020
- (3) Effects of cluster policies on regional innovation networks (with Alain N'Gauran), GEOINNO2020, Stavanger, January 29-31, 2020.
- (4) A heterogeneous coefficient approach to the knowledge production function (with James LeSage), GEOINNO2018, Barcelone, January 30 – February 2, 2018.
- (5) A heterogeneous coefficient approach to the knowledge production function (with James LeSage), Conférence Abbé Grégoire, Paris, March 28, 2017.
- (6) The Role of R&D Collaboration Networks on Regional Knowledge Creation: Evidence from Information and Communication Technologies (with S. Hazir et J. LeSage), International Conference "What's new in the economics of innovation? Theory, empirics and public policy", Grenoble, December 1-2, 2016.
- (7) The Role of R&D Collaboration Networks on Regional Innovation Performance (with S. Hazir et J. LeSage), Jean Paelinck Seminar, 3rd Geography of innovation conference, Toulouse, January 28-30, 2016.
- (8) The Role of R&D Collaboration Networks on Regional Innovation Performance (with S. Hazir et J. LeSage), Jean Paelinck Seminar, Zaragoza, November 2014.
- (9) The Effect of Spatio-Temporal Knowledge Flows on Regional Innovation Performance: the case of ICT patenting in Europe (with Selin Hazir), 2nd Geography of innovation conference, Utrecht, February 23-25, 2014.
- (10) Spatial Pattern of Cross-Regional Facilitated Knowledge Flows: Some empirical evidence from Europe in biotechnology (with Selin Hazir), 4<sup>th</sup> International Workshop on Social Network Analysis, "Networks in space and time: Models, Data collection and Applications", Roma, June 20-22, 2013.
- (11) Centrality measures and Group Centrality measures of regions: Complementaries or Substitutes? (with Sana Elouaer), 4<sup>th</sup> International Workshop on Social Network Analysis, "Networks in space and time: Models, Data collection and Applications", Roma, June 20-22, 2013.
- (12) The effect of spatio-temporal knowledge flows on regional innovation performance: the case of ICT patenting in Europe (with Selin Hazir), 12th International Workshop Spatial Econometrics and Statistics, Orleans, June 17-19, 2013.
- (13) Spatial Pattern of Cross-Regional Facilitated Knowledge Flows: Some empirical evidence from Europe in biotechnology (with Selin Hazir), 52<sup>nd</sup> European Congress of the Regional Science Association International, Bratislava, August 22-25, 2012.
- (14) Using Affiliation Networks to Study the Determinants of Multilateral Research Cooperation. Some empirical evidence from EU Framework Programs in biotechnology (with Selin Hazir), Journées de l'AFSE, Saint-Etienne, May 10-11, 2012.
- (15) Multilateral Research Cooperation as Affiliation Networks: Some empirical evidence from EU Framework Programs in biotechnology (with Selin Hazir), 1<sup>st</sup> European EuroLIO Seminar, Geography of Innovation, Saint-Etienne, January 26-28, 2012.
- (16) Les extensions régionales de l'enquête innovation: Comment juger de leur pertinence statistique (with Michelle Mongo, Benoît Buisson, Lionel Doisneau), XI<sup>e</sup> Journées de Méthodologie Statistique, Paris, January 24-26, 2012.
- (17) Conceptualizing the Role of Geographical Proximity in Project Based R&D Networks: A Literature Survey (with Selin Hazir), 51<sup>st</sup> European Congress of the Regional Science Association International, Barcelona, 30th August - 3rd September 2011.
- (18) Les déterminants de l'innovation : Analyse des effets régionaux à partir de l'enquête CIS2008 (with Benoit Buisson, Lionel Doisneau and Michelle Mongo), Colloque Territoires, Emploi et Politiques Publiques, Metz, June 23-24 2011.
- (19) The determinants of innovation adoption R&D, Innovation and Intellectual Property (with Jean-Pascal Guironnet and Nadine Massard) International conférence in honor of Jacques Mairesse, Paris, September 2010.

- (20) Productivity Changes and Intangible Assets: Evidences from French Plants (with Jean-Pascal Guironnet and Nadine Massard), and IAREG Workshop, Cagliari, October 1st 2009.
- (21) Productivity Changes and Intangible Assets: Evidences from French Plants (with Jean-Pascal Guironnet and Nadine Massard), DIME Workshop on Technology Skills and Geography, University of Sussex, Brighton, september 2009.
- (22) Quantifying knowledge spillovers using spatial econometric models (with James LeSage), Spatial Econometric Association Conference, Barcelone, 8-10 juillet 2009.
- (23) Productivity Changes and Intangible Assets: Evidences from French Plants (with Jean-Pascal Guironnet and Nadine Massard), 3<sup>rd</sup> Journées Economie et Espace, Dijon, 29-30 juin 2009.
- (24) Social Distance versus Spatial Distance in R&D Cooperation: Empirical Evidence from European Collaborations Choices in Micro and Nanotechnologies (with Pascal Billand, David Frachisse, and Nadine Massard), Inek final workshop, Marseille, April 3rd-4th 2008.
- (25) Innovation et espace, des externalités aux réseaux. Industrial organization in the last thirty years: results and perspectives (with Pascal Billand and Nadine Massard), Revue d'Economie Industrielle : 30 ans, Juans les Pins, November 13th-14th 2008.
- (26) R&D partnerships in nanotechnology within the 6th FP, Network analysis and cooperation choices (with Pascal Billand, David Frachisse, and Nadine Massard), Workshop IPTS on Research Collaboration networks in the ERA, Sevilla, November 19th-20th 2007.
- (27) The location of new biotechnology SMEs. Empirical evidence from the French case (with Nadine Massard), 47th congress of the European Regional Science Association, Paris, August 29th- September 2nd 2007.
- (28) Network Effects in R&D Partnership. Evidence from the European Collaborations in Micro and Nanotechnologies (with Pascal Billand, Christophe Bravard and Nadine Massard), DIME - Workshop on Interdependencies of interactions in local and sectoral innovation systems, Jena, March 22nd-24th 2007.
- (29) Firm innovation strategies: A spatial multinomial probit approach (with James LeSage and Olivier Parent), 53<sup>ème</sup> colloque de la North American Regional Science Association, Toronto, 6-18 novembre 2006 and ADRES Conference on Networks of Innovation and Spatial Analysis of Knowledge Diffusion, Saint-Etienne, 14-15 Septembre, 2006.
- (30) Network effects in R&D partnership. Evidence from the European collaborations in micro and nanotechnologies (with Pascal Billand, Christophe Bravard and Nadine Massard), ADRES Conference on Networks of Innovation and Spatial Analysis of Knowledge Diffusion, Saint-Etienne, September 14-15, 2006.
- (31) Décisions d'implantation des PME de biotechnologies. Une étude sur données françaises (with Nadine Massard), 6th Proximity Congress, Bordeaux, 29-30 juin, 2006.
- (32) Firm innovation strategies: A spatial multinomial probit approach (with James LeSage and Olivier Parent), Workshop on Spatial Econometrics, Grenoble, 14 juin, 2006.
- (33) Firm innovation strategies: A spatial multinomial probit approach (with James LeSage and Olivier Parent), Workshop on Spatial Econometrics and Statistics, Rome, May 25-27, 2006.
- (34) Regional advantage and R&D lab location. Empirical evidence from French firm location choices, Wokshop on Firm Demography and Industrial Location, Reus, 17-18 Novembre, 2005.
- (35) Pecuniary and knowledge externalities as agglomeration forces. Empirical evidence from individual French data (with Nadine Massard), Knowledge and Regional Economic Development, Barcelone, 9-11 juin, 2005.
- (36) Where do firms choose to locate their R&D: A spatial conditional logit on French data, Workshop on Spatial Econometrics, Kiel, 8-9 avril, 2005.
- (37) Nature et source des externalités dans les dynamiques d'agglomération. Une étude sur données individuelles françaises (with Nadine Massard), 4<sup>th</sup> Journées de la Proximité, Marseille, June 17-18, 2004.
- (38) Disparités locales dans la production d'innovations : L'incidence du choix des indicateurs (with Nadine Massard), 4<sup>th</sup> Journées de la Proximité, Marseille, 17-18 juin, 2004.
- (39) Economie géographique et externalités. Une étude sur données individuelles (with Nadine Massard), 13<sup>th</sup> journées du SESAME, Caen, 8-10 septembre, 2003.
- (40) Spécialisation, diversité et diffusion géographique des connaissances, XXXIX<sup>ème</sup> colloque de l'ASRDLF, Concentration et Ségrégation, Lyon, 1-3 septembre, 2003.
- (41) Specialization, diversity and geographical diffusion of knowledge, DRUID Summer Conference, Copenhagen, 12-14 juin, 2003.

- (42) TIC, diffusion spatiale des connaissances et agglomération (with Christine Largeron and Nadine Massard), Workshop TIC et réorganisation spatiale des activités économiques, ENST-Bretagne, Brest, november 2002.
- (43) Creation and growth of high tech SMEs: The role of local environment (with Vincent Mangematin and Nadine Massard), Workshop Clusters in high-technology Aerospace, biotechnology and software compared, Workshop Biotech, Gothenburg, Suède, 23-24 septembre, 2002.
- (44) Diffusion des connaissances et efficience technologique (with Catherine Ris), Colloque Proximité, Paris, Décembre, 2001.
- (45) Knowledge flows and technological efficiency (with Catherine Ris), AEA annual meeting, Bruxelles, Novembre 2001.
- (46) Scientific interactions, geographic spillovers and innovations. An empirical study on the French case (with Nadine Massard), 40th European Regional Science Association Congress, Barcelone, 30 août–2 Septembre, 2000.
- (47) Origine sectorielle des externalités technologiques locales : une étude sur le cas français (with Nadine Massard), Congrès AFSE, Paris, September 23-24, 1999.
- (48) La recherche publique française produit-elle des externalités ?, 9èmes Journées du SESAME, Saint-Etienne, September 8-9-10, 1999.
- (49) Geography of knowledge spillovers and technological proximity, International Conference on Technological spillovers and the geography of innovation, Saint-Etienne, July 1-2, 1999.
- (50) Géographie des externalités de connaissance et proximité technologique, Journées des Ecoles Doctorales, Strasbourg, May 17-18, 1999 and 2èmes Journées de la Proximité, Toulouse, May 19-20, 1999.

#### **14. Doctoral and post-doctoral supervision**

##### ***Post-doc supervision***

Paul Charruau (2023-2024) Dynamiques urbaines et politiques d'innovation

##### ***PhD supervision***

Nesrine Bouzeghoub (2020- ) Analyse et projection des impacts économiques d'une politique régionale en matière de soutien à la Recherche et à l'Innovation

Adhen Benlhalou (2017-2022) Peer effects in knowledge production

Alain N'Ghauran (2016-2020) Analyse des dynamiques spatiales de l'innovation collaborative

Ruben Fotso (2015-2019) Evaluation of innovation policies based on science-industry transfer

Carolina Guevara (2012-2015) Agglomeration and growth in South American countries

Selin Hazir (2010-2014) Spatial dynamics of knowledge networks

Fabrice Periac (2009-2014) Cultural diversity, networks and innovation

##### ***Participation in thesis defense committees***

Ecem Bilge DELICIK (2022) Collaboration network characteristics and inventors' performance: A multidimensional approach », Côte d'Azur University

Jia LIU (2022) Knowledge Flow within China and its Economic Consequences, Strasbourg University

Aurélien Quignon (2020) Essays on the Economics of Innovation, Paris Nanterre University

Marcel Bednarz (2020) Dimensions of Spatial Knowledge Diffusion, Utrecht University



Kymble Christophe (2019) Essays on Empirical Evaluation of the European R&D Policy, Paris Nanterre University

Clément Gorin (2017) Skilled mobility, networks and the geography of innovation, Jean Monnet University

Michèle Mongo (2013) Innovation dans les services : essais sur les déterminants individuels et territoriaux, Jean Monnet University

Julie Poirier (2013) Four Essays in Empirical Environmental Economics, Lyon 2 University

### ***PhD thesis reports***

Ecem Bilge DELICIK (2022) Collaboration network characteristics and inventors' performance: A multidimensional approach », Côte d'Azur University

Jia LIU (2022) Knowledge Flow within China and its Economic Consequences, Strasbourg University

Marcel Bednarz (2020) Dimensions of Spatial Knowledge Diffusion, Utrecht University

Julie Poirier (2013) Four Essays in Empirical Environmental Economics, Lyon 2 University

Ernest Miguelez (2012) Essays on the Geography of Innovation: Knowledge Workers' Mobility, Networks and Spillovers, University of Barcelona

Das (2010) Innovation and Location, Norway

### ***Doctoral scientific stay supervision***

Shoaib Abdul Basit (2018-19) Do Knowledge Competencies and Competitive Market Environment Raise Innovation? An Empirical Analysis of German Firms.

## **15. Grants and Research Contracts:**

### ***European research contracts:***

- SEARCH (Sharing Knowledge Assets: InteRregionally Cohesive NeigHborhoods) Collaborative project of the European Commission, 7thFP (2011-2014). Coord: J. Surinach. GATE-LSE leader: C. Autant-Bernard
- FEDER, Europ'Act Réseaux de compétences pour l'observation de l'innovation localisée (EuroLIO), (2009-2012) Coord.: N. Massard
- IAREG (Intangible Assets and Regional Economic Growth) Collaborative project of the European Commission, 7thFP (2008-2011). Principal Coord: J. Surinach. Work Package 4 Coord: C. Autant-Bernard.
- ECFIN/2007/020 Commission Européenne, DG Economie et Finance, Innovation Diffusion in the Internal Market (2009). Coord.: C. Autant-Bernard and J. Surinach.

### ***National research contracts:***

- ANR RENEWAL (REthinking NEtWork And Location in economics of innovation: Theory and public policy evaluation) ANR (2014-2017). Coord : N. Massard. GATE-LSE leader: C. Autant-Bernard
- Spanish Ministry of Science project ECO2009-12678 (2010-2012) Determinants of Innovation Diffusion and their effect on productivity. Resp: Jordi Suriñach Caralt.
- Délégation Interministérielle à l'Aménagement et la Compétitivité des Territoires (2008-2009), Conception d'un Tableau de Bord Territorialisé de l'innovation – suivi des clusters. Resp.: N. Massard.
- Délégation Interministérielle à l'Aménagement et la Compétitivité des Territoires (2007, 2008) Etude sur la conception et l'analyse d'indicateurs stratégiques de l'innovation dans les territoires. Resp.: N. Massard.
- ACI « Espace et territoires » projet Innovation et proximité : modèles et mesures sur données de relations (2005-2007). Resp.: N. Massard

- Agence Nationale pour la Recherche et la Technologie (2006) Analyse de la formation des réseaux dans les programmes cadre européens. Resp.: N. Massard.
- Ministère de l'Education Nationale et de la Recherche (2003) Compétition scientifique et technologique entre régions françaises : le cas des biotechnologies. Resp.: V. Mangematin and N. Massard.
- Commissariat Général du Plan (2003) Polarisation des activités de recherche-développement et diffusion des connaissances. Resp. scientifique: N. Massard.
- CNRS (1998, 2000, 2002) Les enjeux économiques de l'innovation. Resp. scientifique: D. Encaoua, D. Foray, A. Atchuel and J. Mairesse

#### ***Sub-national contracts:***

- AAP UJM, Evaluation des politiques de soutien à la recherche collaborative (2020-2021)
- SCUSI-Région Auvergne Rhône Alpes, Areas of innovation: how to promote knowledge diffusion? (2017-2020)  
Coord.: C. Autant-Bernard
- Bourgogne Franche-Comté Region (2016)
- Ile de France Region (2013, 2014)
- Rhône-Alpes Region (2002, 2005, 2006, 2007, 2011, 2014, 2016)
- Saint-Etienne Metropole (2005, 2006, 2007, 2011-2013)
- Conseil général de la Loire (2007, 2012)
- MIIAT Bassin Parisien (2003) Production de connaissances et innovation : positionnement et enjeux.

## **16. Appraisal and dissemination activities**

#### ***Referree (77 reports)***

Annals of Regional Science, Economic Geography, Economics of Innovation and New Technology, European Planning Studies, Economie et Société, Industrial and Corporate Change, Journal of Economic Geography, Journal of Geographical Systems, Journal of Regional Science, Louvain Economic Review, Management International, Papers in Regional Science, Regional Studies, Research Policy, Revue d'Economie Rurale et Urbaine, Science and Public Policy, Small Business Economics, Spatial Economic Analysis, Société Française d'Economie Rurale.

#### ***Scientific and program committee of conferences***

- Geography of Innovation 2024 (Manchester, January 2024)
- Geography of Innovation 2022 (Milano, January 2022)
- Geography of Innovation 2020 (Stavanger, January 2020)
- ERSA2019 (Lyon, August 2019)
- Geography of Innovation 2018 (Barcelona, February 2018)
- What's new in the Economics of Innovation: Theory, Empirics and Public Policy (Grenoble, December 2016)
- Barcelona Workshop on Regional and Urban Economics (Barcelona, October 2016)
- Geography of Innovation 2016 (Toulouse, January 2014)
- Geography of Innovation 2014 (Utretch, January 2014)
- Barcelona Workshop on Regional and Urban Economics (Barcelona, October 2012)
- Journées de l'AFSE (Saint-Etienne, May 2012)
- EuroLIO European Seminar (Saint-Etienne, January 2012)
- PRO-VE Conference (Saint-Etienne, October 2010)
- EuroLIO National Seminar (Toulouse, June 2010)

- IAREG Workshop, Knowledge flows, intangible assets and regional performance (Cagliari, October 2009)
- Spatial Econometrics Conference (Barcelona, July 2009)
- ADRES Conference (Saint-Etienne, September 2006)

#### ***Organisation committee of conferences***

- Geography of Innovation 2022 (Milano, July 2022)
- Geography of Innovation 2020 (Stavanger, January 2020)
- ERSA2019 (Lyon, August 2019)
- Geography of Innovation 2018 (Barcelona, February 2018)
- Geography of Innovation 2016 (Toulouse, January 2016)
- Geography of Innovation 2014 (Utrecht, January 2014)
- Journées de l'AFSE (Saint-Etienne, May 2012)
- EuroLIO European Seminar (Saint-Etienne, January 2012)
- Workshop IAREG Knowledge flows, intangible assets and regional performance (Cagliari, October 2009)
- EuroLIO Inaugural Conference (Saint-Etienne, June 2009)
- 2<sup>nd</sup> journées "Economie et Espace" (Saint-Etienne, June 2008)
- ADRES Conference (Saint-Etienne, September 2006)

#### ***Other appraisal and dissemination activities***

- Participation in the creation and active involvement in the observatory EuroLIO, European Localized Innovation Observatory (since 2008)
- Organization of the training program in competitive intelligence for University Jean Monnet (2012-2013). Resp.: C. LARGERON
- Visiting Scholar, University of Cagliari, Italy, April 2011.
- Introduction of the round table on Innovation and new growth, Conférence "Recherche, innovation au service d'une nouvelle croissance", Lyon, February 11th, 2010.
- Organization and coordination of training module in competitive intelligence for the members of the cluster Viameca (2008-2009), Saint-Etienne. Resp.: C. LARGERON.
- Training for the DRIRE seniors (2008), IGPDE Paris.
- Economie de l'innovation : un aperçu des principaux questionnements des économistes sur les processus d'innovation et leurs implications économiques (2011), Cahiers du Musée des confluences, Volume 7, pp. 11- 26.
- Interview on Innovative Clusters, Le progrès, January 2016

#### **17. Awards and/or distinctions**

- National Doctoral supervision and scientific research award 2015-2018 and 2021-2024
- National Scientific excellence award 2011-2014

#### **18. Main Courses**

- Economics of innovation
- Applied econometrics
- Geography of innovation
- Innovation policies
- Competitive intelligence
- Monetary economics

## **19. Administrative activities**

Head of Saint-Etienne School of Economics (since 2021)  
Dean of the Department of Economics (from 2016 to 2021)  
Head of Master programme in Economic Analysis and Policy (from 2016 to 2022)  
Scientific leader of EuroLIO (from 2014 to 2019)  
Member of EuroLIO steering committee (from 2008 to 2021)  
Member of EuroLIO board of directors (from 2008 to 2021)  
Member of the University de Lyon steering committee (from 2016 to 2017)  
Member of the University Jean Monnet steering committee (from 2015 to 2021)  
Member of the University Jean Monnet recruitment committee (from 2003 to 2015)  
Member of the University Jean Monnet selection committee (from 2003 to 2010)  
Member of the University Jean Monnet committee of legal status (from 2003 to 2008)  
Member of the ISEAG-IAE steering committee (from 2003 to 2011)  
Member of the ISEAG-IAE board of directors (from 2003 to 2010)  
Mission leader communication for the ISEAG-IAE (from 2003 to 2010)  
Coordinator of the GATE-LSE research field in Public Policy and Space (from 2010 to 2015)  
Coordinator of the research seminar (from 2000 to 2002 and from 2010 to 2011)  
Head of Master programme in Economic Engineering (from 2015 to 2016)  
Leader of Master 1 in Economic Engineering (from 2014 to 2016)  
Member of the board development of the IEGI master 2 (from 2009 to 2021)  
Member of the steering committee of the Economics and Management department (since 2013 and from 2003 to 2010)