

CURRICULUM VITAE

Short CV March 2015

Family name: **HERAUD**

First name: **Jean-Alain**

Birth: November 10th, 1949

Nationality: French

Civil status: married, 2 children

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Present position: Professor of Economics at Université de Strasbourg (Unistra), France.

Director of BETA-Cereq: Centre for the study of education, skills and employment, within the BETA (Unistra-CNRS) joint research institute.

Education and professional experience:

Master's degree (1973) and PhD (1979) of Economics at Université Louis Pasteur, Strasbourg.

Professor of Economics (Nancy in 1990, Strasbourg since 1993)

Head of BETA, a joint research institute University/CNRS (1991-2000).

Dean (*Doyen*) of the Faculty of economics, FSEG, Unistra (2008-2012).

Direction of or participation to several research programmes of the EC in areas like: technology foresight and policy evaluation, regional convergence, learning systems

Other responsibilities for French public administrations: evaluation, foresight, policies of science, technology and education (at national and regional levels); coordination of cross-border scientific relationships in the Upper-Rhine Valley.

Language skills: French (native), English, German (fluent), Japanese (notions).

Key scientific qualifications:

Economics of innovation;
Science and technology foresight and policy evaluation;
Regional development; Strategic management and Industrial organizations;
Economics of energy;
Education, skills and employment.

Main research activities and scientific expertise (last 10 years)

- Organisation of and contribution to international research programmes financed by the European Union on Technology foresight and policy evaluation (ASTPP), Regional economic/technological convergence in Europe (CONVERGE), Innovation needs of firms at regional level in Europe (RETINE), Professional identities in the different national education and training systems in Europe (FAME), Design and implementation of science and technology policy in the context of the European Research Area (PRIME), Evaluation of Research Infrastructures (EvaRIO).
- Research contracts for various French institutions: Ministry of Defence (innovation process in military vs civilian industrial sectors); Institut Français de l'Energie (competence management and technological trajectories in energy-related industries, technological development and private/public policies in the main world regions: fuel cells); Academic institutions and regional authorities (local economic impact of universities; evaluation of regional innovation systems); etc.
- Member of Scientific Commissions: Maison des Sciences de l'Homme Ange Guépin, Nantes; Dispositif régional scientifique de l'Ile de France DIM-IS2-IT). Participation to expert groups : European Commission, local and regional administrations (Région Alsace, Communauté Urbaine de Strasbourg), etc.

- International expertise: Evaluation of the South African innovation policy (2002); Strategic audit of Fraunhofer Institute ISI (Karlsruhe) in 2004, ERA expert workshop at EC-DG research, Brussels, 2007; etc.
- President of the *Association de Prospective Rhénane* (foresight and regional strategies in the Upper Rhine area).

Courses and lectures at the University of Strasbourg, France

Microeconomics
 Strategic management and firms' structure
 Theory of organisations
 National and regional innovation systems
 Economics and management of creativity
 Economics of Energy

Courses and lectures in other countries

Industrial organisation (University of Virginia, USA)
 National innovation systems (University of Freiburg, Germany)
 Management of creativity (University of Adelaide, Australia)

Main Publications (shortened list, since year 2000)

Books

- Jean-Alain HERAUD, Henri NONN, *Le développement métropolitain de Strasbourg*, Les Cahiers de l'Association de Prospective Rhénane N°2013-6, Strasbourg, 2013. (Metropolitan development of Strasbourg)
- Jean-Alain HERAUD, Tiana RAFANOMEZANTSOA, *L'impact territorial des universités: le cas de l'Alsace*, Les Cahiers de l'Association de Prospective Rhénane, N°2011-3, Strasbourg, 2011. (Territorial impact of universities : the case of Alsace)
- Emmanuel MULLER, Jean-Alain HERAUD, Francis GOSSELIN (eds.), *Regards croisés sur la culture, l'innovation et la créativité en Alsace*, Presse Universitaires de Strasbourg, 2010. (Culture, innovation and creativity in Alsace)
- Arman AVADIKYAN, Patrick COHENDET, Jean-Alain HÉRAUD (eds.), *The economic dynamics of fuel cell technologies*, Springer, 2003.

Articles

- Emmanuel MULLER, Jean-Alain HERAUD, Andrea ZENKER (2015), « Knowledge Angels : Creative Individuals fostering Innovation in KIBS – Observations from Canada, China, France, Germany and Spain », *Management International*, forthcoming 2015.
- Jean-Alain HÉRAUD, Jean LACHMANN, « L'évolution du système de recherche et d'innovation : ce que révèle la problématique du financement dans le cas français », *Innovations – Revue d'économie et de management de l'innovation*, N°46 (2014/4), (9-32). (The evolution of the system of research and innovation : what the French case shows in terms of financing).
- Oana IONESCU, Jean-Alain HERAUD, "The French Framework of Nuclear Waste Repository: the Contribution of Economic Analysis", *Energy Studies Review*, Vol. 18, N°2 (2011).
- Jean-Alain HERAUD, "Reinventing creativity in old Europe: a development scenario for cities within the Upper Rhine Valley cross-border area", *City, Culture and Society* 2 (2011) pp.65-73.
- Jean-Alain HERAUD et Andrea ZENKER, « En Allemagne, les Länder perdent du poids », *Place Publique* (Rennes Métropole), N°9, pp.41-46, January-February 2011. (University and research in Germany : recent trends and federal reforms)
- Emmanuel MULLER, David DOLOREUX, Arlette JAPPE, Jean-Alain HERAUD, Andrea ZENKER, « Regional Innovation Capacities in New Member States », *Journal of European Integration*, Vol.30, N°5, pp. 653-669, December 2008.

- Cécile CRESPIY, Jean-Alain HERAUD, Beth PERRY, « Multi-level governance, regions and science in France : between competition and equality », *Regional Studies*, Vol.41.8, November 2007, pp. 1069-1084.
- Jean-Alain HERAUD, "Regional innovation systems and European research policy: Convergence or misunderstanding?", *European Planning Studies*, 11/1, 2003, pp. 41-56.
- Arman AVADIKYAN, Fernand AMESSE, Patrick COHENDET, Jean-Alain HERAUD, "The liberalization of the European Gas sector and the strategic positioning of firms: A dynamic approach for corporate competence building", *Energy Studies Review*, 10/2, 2002, pp. 121-138.
- Laurent GAGNOL, Jean-Alain HERAUD, "Impact économique régional d'un pôle universitaire: application au cas strasbourgeois", *Revue d'Economie Régionale et Urbaine*, n°4, 2001, pp.581-604 (Local economic impact of an academic cluster).
- Marie-Claude BELIS-BERGOUIGNAN, Jean-Alain HERAUD, Yannick LUNG, "Public Foresight Exercises at an Intermediate Level: the French national programmes and the experience of Bordeaux", *International Journal of Technology Management*, (Special Issue on Technology Foresight, 2000).
- Kerstin CUHLS, Jean-Alain HERAUD, "Current Foresight Activities in France, Spain and Italy", *Technological Forecasting and Social Change*, n°60, pp.55-70, 2000.
- Jean-Alain HERAUD, "Evolution of environmental technologies in the long run: comparisons of national perceptions", *Économie et Société*, N°5, 2000. (Article based on the comparison of national foresight experiences in Japan, Germany and France).

Book chapters

- Jean-Alain HERAUD, « Les politiques de recherche et d'innovation », chapitre 8, in M. Dévoluy, G. Koenig (s.l.d.) *Les politiques économiques européennes*, Paris : Le Seuil, 2015 (283-307) (European Research and innovation policies).
- Jean-Alain HÉRAUD, René KAHN, « La pertinence du modèle de l'entreprise rhénane de nos jours : y a-t-il une spécificité alsacienne ? » in Nicolas Stoskopf, Pierre Lamard, (s.l.d. de) *L'entreprise rhénane*, Collection « Histoire industrielle et société », Paris : Editions Picard, 2015 (117-128) (The relevance of the « Rhine area» model of entreprise nowadays).
- Jean-Alain HÉRAUD « L'apport de l'économie de la créativité aux stratégies urbaines », in C. Mazzoni, L. D'Emilio (eds), *Strasbourg métropole. Images et récits pour la ville archipel*, Paris : La Commune, 2014 (177-183) (The contribution of the economics of creativity to urban strategies).
- Jean-Alain HERAUD "Culture et créativité au coeur des processus de développement urbains et régionaux : le cas du Rhin supérieur", in R. Kahn, R. Le Squère, J-M Kosianski, *Cultures régionales, développement économique. Des ressources territoriales pour les économies régionales*, (169-183), Paris : L'Harmattan, 2014 (Culture and creativity at the core of urban and regional development processes : the case of the Upper-Rhine Valley).
- Patrick COHENDET, Jean-Alain HERAUD, Patrick LLERENA, "A microeconomic approach to the dynamics of knowledge creation" (chap. 3, 43-59) in *Knowledge and the economy*, P. Meusburger, J. Glückler, M. El Meskioui (eds.), Dordrecht: Springer Science+Business Media, 2013.
- Emmanuel MULLER, Jean-Alain HERAUD, Andrea ZENKER, « Innovation, territories and creativity: Some reflections about usual and less usual instruments for innovation-driven regional policies », pp.78-88, in *The Economics of Creativity. Ideas, firms and markets*, Thierry Burger-Helmchen (ed.), London & New York: Routledge, 2013
- Jean-Alain HERAUD, « La recherche en France » in E. Jacob, M. Friesseke, J. Beck, M. Bonnafous, *Formation, recherche et innovation dans la région du Rhin Supérieur*, Dike Verlag AG, Zürich, 2011 (pp.281-291).
- Patrick COHENDET, Jean-Alain HERAUD, Patrick LLERENA, "Une dynamique de l'innovation: une interprétation de l'approche de Michel Callon en termes de communautés de connaissance », (pp. 87-106), in : *Débordements. Mélanges offerts à Michel Callon*, Paris : Presses des Mines, M. Akrich et al. (eds.) 2010. (Innovation dynamics : the Callon approach in terms of knowledge communities).
- Laurent BACH, Jean-Alain HERAUD, Mireille MATT, « L'évaluation des effets économiques des grands programmes publics de R&D – les apports d'une méthode microéconomique déclarative approfondie», in *L'évaluation des politiques publiques en Europe – cultures et futurs*, A. Fouquet, L. Masson (eds), L'Harmattan, Paris, 2009, pp.337-349. (An evaluation method for assessing the microeconomic impact of large public technological programs).
- Jean-Alain HERAUD, « La gouvernance multi-niveaux de la recherche et de l'innovation dans les régions françaises », in *Recherche et enseignement supérieur face à l'internationalisation*, J-Ph. Leresche, Ph. Laredo et K. Weber (eds), Presses polytechniques et universitaires romandes, Lausanne, 2009, pp.259-280. (Multi-level governance of science and technology in French regions)

- Jean-Claude GAUDILLIERE, Jean-Alain HERAUD, Philippe LAREDO, Yves SINTOMER, « Sciences, gouvernements, politiques », *Science & Devenir de l'Homme (Cahiers du MURS)*, N°57/58, 3^{ème} trimestre 2008, pp. 144-162.
- Jean-Alain HERAUD, Francis MUNIER, Patrick RONDE, « La densité scientifique et technologique des régions, facteurs de la capacité d'innovation des firmes » in A. Rallet, A. Torre (eds.), *Quelles proximités pour innover ?*, L'Harmattan, Paris, janvier 2007, pp. 133-149. (Impact of regional scientific and technological density on firms' innovation behaviour)
- Jalal EL OUARDIGHI, Jean-Alain HERAUD, René KAHN, « Une relecture de la politique régionale européenne et du rôle des collectivités : l'exemple des politiques de recherche et d'innovation », in *Convergence et dynamique d'innovation au sein de l'espace européen*, Henri Capron (ed), De Boeck, Bruxelles, 2006, pp.246-273. (European regional innovation policy and local authorities)
- Jean-Alain HERAUD, Rachel LEVY, « University-industry relationships and regional innovation systems », in *Innovation policy in a knowledge-based economy*, P. Llerena et M. Matt (eds), Springer, Berlin, Heidelberg, 2005, pp.193-219.
- Jean-Alain HERAUD, "Régions et innovation", in P. Mustar, H. Pénan (eds.), *Encyclopédie de l'Innovation*, Economica, Paris, 2003, pp.645-664
- Emmanuel MULLER, Andrea ZENKER, Jean-Alain HERAUD, "Introducing regions and innovation-related needs in the multi-layer logic of the European Research Area", in J. Edler, S. Kuhlmann, M. Behrens (eds.), *Changing governance of research and technology policy*, Edward Elgar, Cheltenham, UK, 2003, pp.230-254.
- Antoine BURETH, Jean-Alain HERAUD, "Institutions of Technological Infrastructure (ITI) and the generation and diffusion of knowledge", in K. Koschatzky, M. Kulicke, A. Zenker (eds.), *Innovation networks. Concepts and challenges in the European perspective*, Physica Verlag, Springer, Heidelberg, 2001.

Conferences (invited speaker)

- Jean-Alain HERAUD, Conferences on the management of creativity in Adelaide (AUS) and Singapore, March 2013.
- Jean-Alain HERAUD, Presentation of the French case in a workshop on international comparisons of innovation policies organized by the German Ministry for Professional Training and Research (BMBF), *Fachgespräch « Vergleich internationaler Innovationspolitiken / -strategien »*, Berlin, 28 November 2008.
- Jean-Alain HERAUD, "Science, technology and innovation policy: new governance schemes in Europe, in France and at regional level", Symposium "Developments and Policies on Advanced Technologies", CAPS, Toyo University, Tokyo, Japan, 24 September 2004.
- Jean-Alain HERAUD, Arne ISAKSEN, "Learning regions and less favoured regions in the knowledge-based economy: Territorial strategies in the framework of the European Research Area", Toyo University, Tokyo, Japan, 25 September 2003.
- Jean-Alain HERAUD, "Is there a regional dimension of innovation-oriented knowledge networking?", RESTPOR 2000, Fifth Regional Science and Technology Policy Research Symposium, NISTEP, Kashikojima, Japan, September 5-7th, 2000.