

## CURRICULUM VITAE

(FEB 2024)

**NAME:** Jean-Alain HERAUD

**Citizenship:** French  
Born 1949, Nov. 10<sup>th</sup>

**Position:** Emeritus Professor in economics, Université de Strasbourg (France)

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### **Education:**

Agrégation	Qualification as Univ. Prof. in Economics (France)	1990
Ph.D.	Economics, Université Louis Pasteur, Strasbourg	1979
M.A.	Economics Université Louis Pasteur, Strasbourg	1973
B.A.	Economics, Université Louis Pasteur, Strasbourg	1972

### **Academic and Professional Experience**

2008-2012	Dean of the Faculty of economics and management, Université de Strasbourg (Unistra)
2008-2014	Project manager for the “Trinational Metropolitan Region Upper-Rhine Valley”: coordination of common cross-border projects in higher education and research (Unistra and Région Alsace)
2002-2014	Head of Cereq regional centre for Alsace (research activities and expertise in the field of training and employment), within BETA
1993-2014	Professor at Université Louis Pasteur (now Strasbourg University)
1990-1993	Professor at Université Nancy-2
1992-2000	Director of BETA research institute
1898-1991	Deputy Director of BETA
1988-1990	Secondment at CNRS, BETA
1980-1988	Assistant Professor Université Louis Pasteur, Strasbourg

## **Research Experience and Expertise**

Research projects in: economics of innovation; evaluation of innovation policies (regional, national and European levels); economics of energy; territorial impact studies; foresight methods.

Expert for institutions like European Union, regional and local governments in France, South African government, etc., in the area of research and innovation policies and development strategies. Several missions in Australia (Adelaide area) in the domain of regional strategies.

*Chargé de Mission U3M pour le Rectorat et la Préfecture de la Région Alsace* (State-region planning of public investments in research and higher education) in 1998–1999

Expertise of regional innovation systems (Alsace, Bourgogne, Champagne-Ardenne, Centre) in 2007-2008.

Member of the *Conseil de Développement* (strategic planning with citizen participation) of the Strasbourg urban agglomeration.

## **OTHER ACTIVITIES**

President of the *Association de Prospective Rhénane* (purpose: foresight, strategies and long run evolutions in Alsace and the cross-border area of the Upper Rhine Valley)

### **Scientific Boards**

INRA (Paris), 1988-1990.

CEMAGREF (Antony) and ENITRTS (Strasbourg), 1989–90 ;

IEPE (UPR 19 CNRS, Grenoble), 1996

IFREDE, EA 2956 Université Montesquieu (Bordeaux 4), 2001.

Institut Français de l'Energie / Conseil Français de l'Energie, Paris, 2000-2006

Collège Doctoral Européen, Strasbourg (2004-2009)

Maison des Sciences de l'Homme (Ange Guépin), Nantes (2012-2018)

CEEJA (Center for the Study of Japan), Kienzheim (2016-2018)

ANRA (French national agency for the management of nuclear waste): member of the ethics committee, 2019-2023

### **Programme Committees**

#### **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: « Strengthening the coordination of Community and Member States' policies and programmes for international S&T cooperation », 19 - 20 september 2007.

### **Invited researcher/visiting Professor:**

University of Charlottesville (Virginia, USA), Toyo University (Tokyo, Jap), University of Adelaide (South Australia).

### **PUBLISHED WORK (MAIN PUBLICATIONS)**

#### **Books**

Antoine BEYER, Jean-Alain HERAUD, Frédéric ROSSANO, Bruno STEINER, *De la ville-port à la métropole fluviale. Un portulan pour Strasbourg*, Paris: Flammarion (Autrement) (2021).

Jean-Alain HERAUD & Nathalie POPIOLEK, *L'organisation et la valorisation de la recherche. Problématique européenne et étude comparée de la France et de l'Allemagne*, Bruxelles: Peter Lang (2021).

Jean-Alain HERAUD, Fiona KERR, Thierry HELMCHEN-BURGER, *Creative management of complex systems*, London: ISTE.(2018).

#### Some previous books (in French):

Jean-Alain HERAUD & Henri NONN, *Le développement métropolitain de Strasbourg* (Cahier 6 de l'Association de Prospective Rhénane), Néothèque éd., Strasbourg, 2013.

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.

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.

Arman AVADIKYAN, Patrick COHENDET et Jean-Alain HERAUD, (eds.), *The economic dynamics of fuel cell technologies*, Springer, 2003.

#### **Journal Articles**

##### Recently :

Jean-Alain HERAUD & Nathalie POPIOLEK (2024), "A Model of Breakthrough Innovation: Simultaneity of Discovery and Invention", *Journal of Innovation Economics & Management* 2024/1, N°43 (159-186).

Jean-Alain HERAUD (2023), "Restructuration économique et réindustrialisation en Allemagne et en France: quelle contribution de la recherche?", *Revue d'Allemagne et des pays de langue allemande* 55/2 (juil-dec) (257-271).

Jean-Alain HERAUD, Phu NGUYEN-VAN P., T. Kim C. PHAM (2023), "Public services and subjective well-being in a European city: The case of Strasbourg metropolitan area", *Fulbright Review of Economics and Policy*, Emerald Publishing, Vol.3, N°2 (87-110).

Jean-Alain HERAUD & René KAHN (2023), "Recherche et innovation. Une approche critique de l'éthique et de la responsabilité revendiquées", *Innovations (Revue d'Economie et de Management de l'Innovation)* 2023/3 N° 72 (181-207).

Jean-Alain HERAUD, Emmanuel MULLER (2022), “Smart cities and innovation clusters”, *Open Journal of Business and Management*, 10 (387-401).

Jean-Alain HERAUD (2021), “A New Approach of Innovation: from the Knowledge Economy to the Theory of Creativity Applied to Territorial Development”, *Journal of the Knowledge Economy*, 12(1) (201-217). New online publication (DOI: 10.1007/s13132-016-0393-5) of the 2016 paper.

Jean-Alain HERAUD (2017), “Vers une approche créative des politiques territorialisées d’innovation: enseignements tirés de la lecture néo-autrichienne de la ‘découverte entrepreneuriale’”, *Innovations*, N°53 (2017/2) (195-215).

Jean-Alain HERAUD (2017), “Vers une approche créative des politiques territorialisées d’innovation: enseignements tirés de la lecture néo-autrichienne de la ‘découverte entrepreneuriale’”, *Innovations*, N°53 (2017/2) (195-215).

Jean-Alain HERAUD (2016), “A New Approach of Innovation: from the Knowledge Economy to the Theory of Creativity Applied to Territorial Development”, *Journal of the Knowledge Economy*, (DOI: 10.1007/s13132-016-0393-5).

Mickael BENAÏM, Jean-Alain HERAUD, Valérie MERINDOL (2016), “Scientific connectivity of European regions: towards a typology of cooperative schemes”, *Innovations (JIEM)*, N°21 (155-176).

Emmanuel MULLER, Andrea ZENKER, Jean-Alain HERAUD (2015), « Knowledge Angels : Creative Individuals fostering Innovation in KIBS – Observations from Canada, China, France, Germany and Spain », *Management International*, N°19 (201-218).

Jean-Alain HERAUD, Jean LACHMANN (2015), « L’évolution du système de recherche et d’innovation : ce que révèle la problématique du financement dans le cas français », *Innovations*, N°46 (2015/1) (9-32).

#### Before 2013 (selection):

Ionescu O., Héraud J.-A., « The French Framework of Nuclear Waste Repository: The Contribution of Economic Analysis », *Energy Studies Review*, to be published: 2012.

Héraud J.-A., « 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

Muller E., Doloreux D., Héraud J.-A., Jappe A. and A. Zenker « Regional Innovation Capacities in New Member States: a Typology », *European Integration*, Vol. 30, n°5, December, pp. 653-669, 2008

Crespy C., Héraud J.-A. and B. Perry, « Multi-level governance, regions and science in France: between competition and equality », *Regional Studies*, Vol. 41.8, November, pp. 1069-1084, 2007

Héraud J.-A. and Koschatzky K., « Governance: universities and excellence in Europe », *Regions* (Newsletter of the Regional Studies Association), N°263, (pp. 8-9) fall 2006

Héraud J.-A., « Regional innovation systems and European research policy : Convergence or misunderstanding ? », *European Planning Studies*, vol.11, N°1, pp.41-56, Jan. 2003.

- Avadikyan A., Amesse, F., Cohendet, P. and Héraud J-A, « The liberalization of the European gas sector and the strategic positioning of firms: a dynamic approach for corporate competence building », *Energy Studies Review*, vol.10, N°2, pp.121-138, 2002.
- Gagnol L. and Héraud J-A., « Impact économique régional d'un pôle universitaire : application au cas strasbourgeois », *Revue d'Économie Régionale et Urbaine*, n°4, pp.581-604, 2001
- Belis-Bergouignan, M-C., Héraud J-A. and Lung Y., « Public Foresight Exercises at an Intermediate Level: the French national programmes and the experience of Bordeaux », *International Journal of technology Management*, Vol.21, N° 7/8, pp. 726-738, 2001.
- Héraud J-A., « Evolution of environmental technologies in the long run : comparisons of national perceptions », *Économie et Société*, 34, n°5, pp. 41-61, mai 2000.
- Héraud J-A. and Cuhls K., « Current Foresight Activities in France, Spain and Italy », *Technological Forecasting and Social Change*, n°60, pp.55-70, 1999.
- Hahn, R., Gaiser A., Héraud J-A. and Muller, M., « Innovationstätigkeit und Unternehmensnetzwerke : Eine vergleichende Untersuchung von Unternehmen in Elsass und im Bodenseeraum », *Zeitschrift für Betriebswirtschaft*, 65-3, pp. 247-266, 1995.
- Zuscovitch, E., Héraud J-A. and Cohendet, P., « Innovation diffusion from a qualitative standpoint : technological networks and economic evolution through case studies », *Futures*, pp.266-306, june 1988.

## Articles in Edited Volumes and Proceedings

### Recently:

Hansjörg DREWELLO, Jean-Alain HERAUD, Emmanuel MULLER (2022), « Les espaces transfrontaliers à l'épreuve de la gestion de la pandémie. Le cas de l'Eurodistrict Strasbourg-Ortenau, in Birte Wassenberg (dir), *Frontières, acteurs et représentations d'Europe (Fare) – Mélanges en l'honneur de Sylvain Schirmann*, Bruxelles : P.I.E Peter Lang (133-150).

Joachim BECK, Hansjörg DREWELLO, Jean-Alain HERAUD, Emmanuel MULLER (2021), “Strengths and weaknesses of open government in cross-border cooperation – The case of the Upper-Rhine area”, in Joachim BECK (ed.) *Grenzüberschreitende Zusammenarbeit nach der Pandemie. La coopération transfrontalière après la pandémie*. Bruxelles: Peter Lang (487-520).

Hansjörg DREWELLO, Jean-Alain HERAUD (2019), “Cooperation and borders: the economic approach”, in Joachim BECK (ed.) *Transdisciplinary Discourses on Cross-Border Cooperation in Europe*, Bruxelles: Peter Lang (305-319).

Jean-Alain HERAUD (2017), “Science and innovation”, Chapitre 4 in *The Edward Elgar Companion to innovation and knowledge creation*, sld Harald Bathelt, Patrick Cohendet, Sebastian Henn, & Laurent Simon. Cheltenham (UK), Northampton (Ma, USA): Edward Elgar, (56-74).

Jean-Alain HERAUD, Emmanuel MULLER (2017), “ Creativity management: Causation, effectuation and will”, in M. Wagner, J. Valls-Pasola, T. Burger-Helmchen (eds), *The global management of creativity*, New York: Routledge (121-139).

Jean-Alain HERAUD (2015), « De l'économie de la connaissance à la théorie de la créativité », in Elisabeth Campagnac-Ascher (s.l.d.) *Economie de la connaissance – une dynamique métropolitaine ?*, Paris (Anthony) : Editions du Moniteur, Collection POPSU (115-135).

Jean-Alain HERAUD (2015), « Les politiques de recherche et d'innovation », chapitre 8, in M. Dévoluy, G. Koenig (s.l.d.) *Les politiques économiques européennes*, Paris : Le Seuil (283-307).

Jean-Alain HÉRAUD, René KAHN (2015), « 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 (117-128).

Jean-Alain HÉRAUD (2014a) « L'apport de l'économie de la créativité aux stratégies urbaines », in C. Mazzoni, L. D'Emilio (s.l.d. de), *Strasbourg métropole. Images et récits pour la ville archipel*, Paris : La Commune. (177-183).

Jean-Alain HERAUD (2014b), « Culture et créativité au cœur des processus de développement urbains et régionaux : le cas du Rhin Supérieur », chap. in R. Kahn, R. Le Squère, J-M.

Kosianski (s.l.d. de) *Cultures régionales, développement économique. Des ressources territoriales pour les économies régionales*, Paris : L'Harmattan (169-183).

Before 2013 (selection):

- Cohendet, P. Héraud J.-A., Llerena, P. "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.
- Muller, E., Héraud J.-A., Zenker A., « 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
- Muller E., Zenker A. and Héraud J.-A., "France: Innovation system and innovation policy", in *Competing for Global Innovation Leadership: Innovation Systems and Policies in the USA, Europe and Asia*, Reiner Fritsch and Margot Schüller (eds), Fraunhofer Verlag, Stuttgart, pp. 93-118, 2010
- Muller E., Zenker A. and J.-A. Héraud, "Inside the black box: Exploring the existence and function of knowledge angels", Chap 10 in *Knowledge-intensive business services. Geography and innovation*, Doloreux, D., Freel, M. and R. Shearmur (eds) UK: Ashgate, MPG Books Group, pp.211-231, 2010
- Cohendet P., J.-A. Héraud and P. Llerena, "Division of Labour and Division of Knowledge in Firms' Innovative Networks: an Essay on Ehud Zuscovitch's Theoretical Perspectives", Chap 8 in *Innovation, Economic Growth and the Firm: Theory and Evidence of Industrial Dynamics*, Jean-Luc Gaffard and Evens Salies, (eds), Edward Elgar, Cheltenham, pp. 169-190, 2010
- Muller E., Zenker A. and Héraud J.-A., "France: Innovation system and innovation policy", Chap 5 in *New Challenges of Germany in the Innovation Competition*, Final report to the Federal Ministry of Education and Research, Fraunhofer ISI, GIGA, STIP (eds) Germany; Karlsruhe/Hamburg/Atlanta, pp. 127-167, 2008
- Héraud J-A. and R. Lévy, « University-industry relationships and regional innovation systems », in *Innovation policy in a knowledge-based economy*, P. Llerena and M. Matt (eds), Springer, Berlin, Heidelberg, pp.193-219, 2005
- Héraud J-A., « Régions et innovations », in *Encyclopédie de l'innovation*, Economica, P. Mustar, H. Pénan (eds), (pp.645–664),2003
- Muller M., Zenker, A., Héraud J.-A., « Introducing regions and innovation-related needs in the multi-layer logic of the ERA », in *Changing governance of research and technology policy. The European Research Area*, J. Edler and S. Kuhlmann (eds), Edward Elgar, Cheltenham, (pp.230-254), 2003
- Bureth A., Héraud J.-A., « Institutions of technological Infrastructure (ITI) and the Generation and Diffusion of Knowledge », in *Innovation networks. Concepts and challenges in the European Perspective*, K. Koschatzky, M. Kulicke, A. Zenker (eds), Physica Verlag, Springer, Heidelberg, pp. 69-91, 2001.
- Héraud J-A., « Schumpeter », article for the *Dictionnaire des Sciences Économiques*, C. Jessua, C. Labrousse, D. Vitry and D. Gaumont (eds), Presses Universitaires de France, pp.843–845, 2001.
- Cohendet P., Héraud J.-A. and Zuscovitch E. , "Technological learning, networks and spillover effects : towards a restatement of innovation appropriability », Francis Pinter & OECD, 1993.
- Héraud J.-A. and Garouste P., « Auto-organisation et création technologique », Chap. 3 in *Apprendre, se souvenir, décider – une nouvelle rationalité de l'organisation*, B. Ancori (ed.), CNRS Éditions, 1992.
- Cohendet P., Héraud J.-A. and Zuscovitch E., "Apprentissage technologique, réseaux économiques et appropriabilité des innovations », Chap. 2 in *Technologie et richesse des nations*, D. Foray & Ch. Freeman (eds), Economica, 1992.

## Studies (for European and French institutions) - selection

- Jean-Alain HERAUD, René KAHN, Emmanuel MULLER, Participation to the EvaRIO project (directed by Sandrine Wolff) on Research Infrastructures in Europe : redaction of the *focus study* on territorial impact (July 2013).
- Jean-Alain HERAUD & René KAHN, Contribution to the research program POPSU2 (Plate-forme d'observation des projets et des stratégies urbaines) French Minist. for Ecology, Sust. Dev. and Energy, Ecole d'Architecture de Strasbourg (coordination : Cristiana Mazzoni), July 2013: geographic economy and knowledge economics applied to urban strategies; economics of innovation and creativity applied to urban strategies.
- Jean-Alain HERAUD, Contribution to the project ERA-Spaces (Unpacking geographical spaces in research and innovation in Europe », EU network PRIME, PR6 - Citizens and Governance in a Knowledge-based economy, 2004- 2005.
- Jean-Alain HERAUD, Contribution to the project PRIME (Policies for Research and Innovation in the Move towards the European Research Area), European Union (FP5), 2002-2003.
- Patrick COHENDET and Jean-Alain HERAUD, Contrat de recherche sur les technologies duales (Dual technologies and innovation) for Observatoire Économique de la Défense (French observatory of the Min. of Defense), 2001
- Jean-Alain HERAUD, contribution to the EU project CONVERGE « Strategies and policies for Systemic Interaction and Convergence in Europe », DGXII (TSER), 2000.
- Jean-Alain HERAUD, contribution to the EU project ASTPP (« Advanced Science and Technology Policy Planning ») DGXII (TSER). Final report under the direction of direction of Stefan KUHLMANN « Improving Distributed Intelligence in Complex Innovation Systems », Karlsruhe, june1999.
- Patrick COHENDET and Jean-Alain HERAUD and Knut KOSCHATZKY, «Institutions of Technological Infrastructure», study for EUROSTAT (EU statistical office), 1995-1996.