



# Marc Baudry

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## **Axe de recherche**

Transitions, Environnement, Énergie, Institutions, Territoires

## **Thème(s)**

Economie de l'environnement et des ressources naturelles;  
Economie de l'innovation, du changement technologique et de  
la propriété intellectuelle; Econométrie appliquée;  
Microéconomie appliquée

**HAL:** [Lien](#)

## **Présentation**

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### **Situation actuelle**

Depuis septembre 2011: Professeur des Universités en Sciences Economiques, Université Paris Nanterre (UFR SEGMI)

Depuis janvier 2013: Responsable du Pole "Tarification du CO2 et innovation bas carbone", Chaire Economie du Climat (<http://www.chaireeconomieduclimat.org/>)

De février 2016 à février 2022: Directeur du département d'économie (UFR SEGMI, Université Paris Nanterre)

### **Situations antérieures**

De septembre 2008 à aout 2011: Professeur des Universités en Sciences Economiques, Université de Nantes (IEMN-IAE)

De septembre 1999 à aout 2008: Maître de Conférences, Université de Rennes1 (Faculté des Sciences Economiques)

### **Diplômes**

Habilitation à Diriger des Recherches, obtenue en octobre 2007 (Université de Rennes 1)

Doctorat es Sciences Economiques, obtenu en janvier 1999 (Université de Rennes1)

### **Thèmes de recherche**

Economie de l'innovation, du changement technologique et de la propriété intellectuelle

Economie de l'environnement et des ressources naturelles

Microéconomie appliquée

Econométrie appliquée

Economie publique

## Documents de travail

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**HAL:** [Lien](#)

**12/2022** - Land allocation and the adoption of innovative practices in agriculture: a real option modelling of the underlying hidden costs

Marc Baudry, Edouard Civel, Camille Tévenart

**11/2021** - The case for a Carbon Border Adjustment: Where do economists stand?

Marc Baudry, Alienor Cameron

**10/2020** - Technological Progress and Carbon Price Formation: an Analysis of EU-ETS Plants

Marc Baudry, Anouk Faure

**07/2019** - Emissions Trading with Transaction Costs

Marc Baudry, Anouk Faure, Simon Quemin

**06/2018** - The Fate of Inventions. What can we learn from Bayesian learning in strategic options model of adoption ?

Marc Baudry, Edouard Civel

**02/2017** - The Private Value of Plant Variety Protection and the Impact of Exemption Rules

Marc Baudry, Adrien Hervouet

**02/2017** - Market pull instruments and the development of wind power in Europe: a counterfactual analysis

Marc Baudry, Clément Bonnet

**02/2017** - Promoting innovation on the seed market and biodiversity: the role of IPRs and commercialisation rules

Marc Baudry, Adrien Hervouet

**02/2017** - Revisiting the hedonic price method to assess the implicit price of environmental quality with market segmentation

Marc Baudry, Masha Maslianskaïa-Pautrel

**02/2017** - Valuing patents using renewal data: an inquiry into the feasibility of an automated patent scoring method

Marc Baudry, Béatrice Dumont

# Publications

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**HAL:** [Lien](#)

**2024** - Laurence Cret, Marc Baudry, Frédéric Lantz. How to implement the 2023 IMO GHG strategy? Insights on the importance of combining policy instruments and on the role of uncertainty. *Marine Policy*, 2024, 169, pp.106332. (10.1016/j.marpol.2024.106332). (hal-04677483)  
<https://hal.inrae.fr/hal-04677483v1>

**2024** - Marc Baudry, Béatrice Dumont. Chapter 3: Credibility of the EU-ETS to decarbonize the European economy. *Financial Stability, Economic Growth and Sustainable Development*, Routledge, pp.30 - 41, 2024. (hal-04607867)  
<https://hal.science/hal-04607867v1>

**2023** - Marc Baudry, Edouard Civel, Camille Tévenart. Land allocation and the adoption of innovative practices in agriculture: a real option modelling of the underlying hidden costs. 2023. (hal-04159839)  
<https://hal.science/hal-04159839v1>

**2023** - Marc Baudry, Aliénor Cameron. The case for carbon leakage and border adjustments: where do economists stand?. *Environmental Economics and Policy Studies*, 2023, pp.435-469. (10.1007/s10018-023-00366-0). (hal-04087880)  
<https://hal.science/hal-04087880v1>

**2022** - Marc Baudry, Aliénor Cameron. The case for a Carbon Border Adjustment: Where do economists stand?. 2022. (hal-04159819)  
<https://hal.science/hal-04159819v1>

**2021** - Marc Baudry. Low carbon transition of the EU-ETS firms: Assessing the long-term effects of Covid-19. *Energy Transition, Climate Change, and COVID-19. Economic Impacts of the Pandemic*, Springer, pp.45 - 72, 2021. (hal-03564449)  
<https://hal.science/hal-03564449v1>

**2021** - Marc Baudry. Chapter 50. Value - The value of innovations: specificity and evaluation methods of innovation. *Innovation Economics, Engineering and Management Handbook 1*, Wiley, pp.389 - 395, 2021. (hal-03271281)  
<https://hal.science/hal-03271281v1>

**2021** - Marc Baudry. Chapter 13. Diffusion - Diffusion and adoption behavior of innovations. *Innovation Economics, Engineering and Management Handbook 1*, Wiley, pp.123 - 128, 2021. (hal-03271272)  
<https://hal.science/hal-03271272v1>

**2021** - Marc Baudry, Béatrice Dumont. Chapter 2. Total Factor Productivity and Patents: an Ambivalent Link. *Competitiveness and Economic Development in Europe: Prospects and Challenges*, Routledge, 2021. (hal-03271293)  
<https://hal.science/hal-03271293v1>

**2021** - Marc Baudry, Anouk Faure, Simon Queminn. Emissions trading with transaction costs. *Journal of Environmental Economics and Management*, 2021, 108, pp.102468. (10.1016/j.jeem.2021.102468). (hal-03210325)  
<https://hal.science/hal-03210325v1>

**2021** - Anouk Faure, Marc Baudry. Technological Progress and Carbon Price Formation: an Analysis of

EU-ETS Plants. 2021. (hal-04159764)  
<https://hal.science/hal-04159764v1>

2020 - Anouk Faure, Marc Baudry, Simon Quemin. Emissions Trading with Transaction Costs. 2020. (hal-04159716)  
<https://hal.science/hal-04159716v1>

2020 - Marc Baudry, Béatrice Dumont. Chapter 10. When innovation innovates: How artificial intelligence challenges the patent system. Systemic Innovation. Entrepreneurial strategies and market dynamics, Wiley, pp.205 - 222, 2020, Innovation, Entrepreneurship, Management Series / Innovation in Engineering and Technology Set. (hal-03086566)  
<https://hal.science/hal-03086566v1>

2018 - Marc Baudry, Clément Bonnet. Demand-pull instruments and the development of wind power in Europe: a counterfactual analysis. Environmental and Resource Economics, 2018, 73 (2), pp.385-427. (10.1007/s10640-018-0267-3). (hal-01839661)  
<https://hal.science/hal-01839661v1>

2018 - Marc Baudry, Edouard Civel. The Fate of Inventions. What can we learn from Bayesian learning in strategic options model of adoption ?. 2018. (hal-04141698)  
<https://hal.science/hal-04141698v1>

2018 - Marc Baudry, Béatrice Dumont. Les brevets : incitation ou frein à l'innovation ?. ISTE Editions, 2018, Smart Innovation. (hal-01709409)  
<https://hal.science/hal-01709409v1>

2017 - Marc Baudry, Adrien Hervouet. The private value of plant variety protection and the impact of exemption rules. Economics of Innovation and New Technology, 2017, 26 (3), pp.202-226. (10.1080/10438599.2016.1165714). (hal-01449992)  
<https://hal.science/hal-01449992v1>

2017 - Marc Baudry, Béatrice Dumont. Patents: prompting or restricting innovation?. Wiley - ISTE, 2017, Smart innovation SET, coordinated by D. Uzunidis. (hal-01610883)  
<https://hal.science/hal-01610883v1>

2016 - Marc Baudry. La "figure de l'entrepreneur" est-elle absente de l'analyse économique?. Journal of Applied Physiology, 2016, 19, pp.106-116. (hal-01615152)  
<https://hal.science/hal-01615152v1>

2016 - Marc Baudry, Adrien Hervouet. The Private Value of Plant Variety Protection and the Impact of Exemption Rules. 2016. (hal-04141604)  
<https://hal.science/hal-04141604v1>

2016 - Marc Baudry, Masha Maslianskaia Pautrel. Revisiting the hedonic price method in the presence of market segmentation. Environmental Economics and Policy Studies, 2016, 18, pp.527-555. (10.1007/s10018-015-0122-5). (hal-01392766)  
<https://hal.science/hal-01392766v1>

2016 - Marc Baudry, Béatrice Dumont. Market maturity, patent renewals and the pace of innovation: the case of wind power in Germany. Journal of Innovation Economics & Management, 2016, 20, pp.131 - 150. (hal-01449958)  
<https://hal.parisnanterre.fr/hal-01449958v1>

2016 - Marc Baudry, Adrien Hervouet. Innovation in the seed market: the role of IPRs and commercialization rules. Journal of Agricultural and Food Industrial Organization, 2016, 14 (1),

pp.51-68. (10.1515/jafio-2015-0002). (hal-01449994)  
<https://hal.science/hal-01449994v1>

2015 - Adrien Hervouet, Marc Baudry. The private value of plant variety protection and the impact of exemption rules. 32nd Annual conference of the European Association of Law and Economics (EALE), European Association of Law and Economics (EALE), Sep 2015, Vienne, Austria. (hal-02012135)  
<https://hal.science/hal-02012135v1>

2015 - Marc Baudry, Clément Bonnet. Market pull instruments and the development of wind power in Europe: a counterfactual analysis. 2015. (hal-04141408)  
<https://hal.science/hal-04141408v1>

2015 - Adrien Hervouet, Marc Baudry. The Private Value of Plant Variety Protection and the Impact of Exemption Rules. the 32nd Annual Conference of the European Association of Law and Economics (EALE), Sep 2015, Vienne, Austria. (hal-02798300)  
<https://hal.inrae.fr/hal-02798300v1>

2014 - Adrien Hervouet, Marc Baudry. Innovation on the seed market : the role of IPRs and commercialisation rules. 2014. (hal-01060565)  
<https://hal.science/hal-01060565v1>

2014 - Marc Baudry. Valuation and rating methods for patents and patent portfolio. Patents Markets in the Global Knowledge Economy: Theory, Empirics and Public Policy Implications, Cambridge University Press, pp.95 - 124, 2014. (hal-01410753)  
<https://hal.parisnanterre.fr/hal-01410753v1>

2014 - Marc Baudry, Adrien Hervouet. Promoting innovation on the seed market and biodiversity: the role of IPRs and commercialisation rules. 2014. (hal-04141329)  
<https://hal.science/hal-04141329v1>

2014 - Marc Baudry. Chapter 5: Valuation and rating methods for patents and patent portfolio. Patents Markets in the Global Knowledge Economy: Theory, Empirics and Public Policy Implications, Cambridge University Press, Cambridge, UK., pp.95 - 124, 2014. (hal-01666997)  
<https://hal.science/hal-01666997v1>

2013 - Adrien Hervouet, Marc Baudry. Promoting innovation in the seed market and biodiversity: the role of IPRs and commercialization rules. 30th Annual conference of the European Association of Law and Economics (EALE), European Association of Law and Economics (EALE), Sep 2013, Varsovie, Poland. (hal-02012207)  
<https://hal.science/hal-02012207v1>

2013 - Marc Baudry. Theoretical grounds for coupling environmental policies and innovation policies. Climate Economics in Progress, Climate Economics Chair, pp.219 - 234, 2013. (hal-01410752)  
<https://hal.parisnanterre.fr/hal-01410752v1>

2013 - Adrien Hervouet, Marc Baudry. Promoting innovation in the seed market and biodiversity: the role of IPRs and commercialization rules. The 30th Annual Conference of the European Association of Law and Economics (EALE), Sep 2013, Varsovie, Poland. (hal-02804728)  
<https://hal.inrae.fr/hal-02804728v1>

2012 - Masha Maslianskaia-Pautrel, Marc Baudry. Revisiting the hedonic price method to assess the implicit price of environmental quality with market segmentation. 2012. (hal-00759247)  
<https://hal.science/hal-00759247v1>

2012 - Adrien Hervouet, Marc Baudry. Promoting innovation in the seed market and biodiversity: the

role of IPRs and commercialization rules. 19. Annual conference of the European Association of Environmental and Resource Economists (EAERE), European Association of Environmental and Resource Economists (EAERE), Jun 2012, Prague, Czech Republic. (hal-02012226)  
<https://hal.science/hal-02012226v1>

2012 - Adrien Hervouet, Marc Baudry. Promoting innovation in the seed market and biodiversity: the role of IPRs and commercialization rules. 46. Annual conference of the Canadian Economics Association (CEA), Canadian Economics Association (CEA), Jun 2012, Calgary, Canada. (hal-02012220)  
<https://hal.science/hal-02012220v1>

2012 - Marc Baudry, Masha Maslianskaïa-Pautrel. Revisiting the hedonic price method to assess the implicit price of environmental quality with market segmentation. 2012. (hal-04141036)  
<https://hal.science/hal-04141036v1>

2012 - Adrien Hervouet, Marc Baudry. Promoting innovation in the seed market and biodiversity: the role of IPRs and commercialization rules. 46th Annual Conference of the Canadian Economics Association (CEA), Jun 2012, Calgary, Canada. (hal-02809039)  
<https://hal.inrae.fr/hal-02809039v1>

2012 - Marc Baudry, Béatrice Dumont. Valuing patents using renewal data: an inquiry into the feasibility of an automated patent scoring method. 2012. (hal-04141059)  
<https://hal.science/hal-04141059v1>

2012 - Adrien Hervouet, Marc Baudry. Promoting innovation in the seed market and biodiversity: the role of IPRs and commercialization rules. 19th Annual Conference of the European Association of Environmental and Resource Economists (EAERE), Jun 2012, Prague, Czech Republic. (hal-02805154)  
<https://hal.inrae.fr/hal-02805154v1>

2011 - Adrien Hervouet, Marc Baudry. Promoting innovation in the seed market and biodiversity: the role of IPRs and commercialization rules. 5e Journées de Recherches en Sciences Sociales (JRSS) - INRA SFER CIRAD, Dec 2011, Dijon, France. (hal-02012239)  
<https://hal.science/hal-02012239v1>

2011 - Adrien Hervouet, Marc Baudry. Promoting innovation in the seed market and biodiversity: the role of IPRs and commercialization rules. 5èmes Journées de recherches en sciences sociales INRA - SFER - CIRAD, Dec 2011, Dijon, France. (hal-02805563)  
<https://hal.inrae.fr/hal-02805563v1>

2011 - Adrien Hervouet, Marc Baudry. Promoting innovation in the seed market and biodiversity: the role of IPRs and commercialization rules. La protection juridique du végétal et ses enjeux économiques, Nov 2011, Angers, France. (hal-02805562)  
<https://hal.inrae.fr/hal-02805562v1>