

CURRICULUM VITAE

Jeroen C.J.M. van den Bergh

December 2024

1. Address and personal details

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Date of birth: August 1, 1965

Citizenship: Dutch

2. Current posts

- ICREA research professor, ICREA (Catalan Institute for Research and Advanced Studies), located at Institute of Environmental Science and Technology, Universitat Autònoma de Barcelona (September 2007 -).
- Honorary full professor of Environmental and Resource Economics ('bijzonder hoogleraar'), Faculty of Economics and Business Administration, and Institute for Environmental Studies, VU University Amsterdam (September 2007 -).
- Research director/Distinguished researcher ("Director investigació/Investigador distingit"), Universitat Autònoma de Barcelona (June 2017 -).
- Head research group "Environmental & Climate Economics" (\pm 10 researchers), Institute of Environmental Science and Technology, Universitat Autònoma de Barcelona (September 2007 -).

3. Past posts

- Sub-director responsible for Research, Institute of Environmental Science and Technology, Universitat Autònoma de Barcelona (March 2012 – March 2015).
- Leader SGR research group "Ecological Economics" (\pm 40 researchers), Institute of Environmental Science and Technology, Universitat Autònoma de Barcelona (2009 - 2017), and co-leader since 2017.
- Member of the Energy Council of the Netherlands ("Algemene Energieraad"), The Hague, The Netherlands (an advisory council of the Dutch national government; 1 day per week appointment) (December 2003 - December 2007).

- Full professor of ‘Nature, Space and Water’, Institute for Environmental Studies, Free University, Amsterdam (January 2002 - September 2007).
- Co-ordinator of the research program ‘Labour, Region and Environment’, Tinbergen Institute Economics Research School, Amsterdam (a joint venture of the economic faculties of the Free University Amsterdam, Erasmus University Rotterdam, and the University of Amsterdam) (July 2001 - July 2007).
- Full professor of ‘Environmental Economics’, Faculty of Economics & Business Administration, Free University, Amsterdam (July 1997 - September 2007).
- Tenured senior researcher, Faculty of Economics and Business Administration, Free University, Amsterdam (April 1995 - July 1997).
- USF postdoc fellow, Tinbergen Institute and Faculty of Economics and Econometrics, Free University, Amsterdam (April 1992 - April 1996).
- Researcher (assistant professor level), Faculty of Economics and Econometrics, Free University, Amsterdam (Aug. 1990 - April 1992).
- PhD student, The Netherlands Organisation for Scientific Research (NWO) (April 1988 - Dec. 1991).
- Research and teaching assistantships in mathematics and operations research, Sub-faculty of Econometrics, Faculty of Economics, Tilburg University, Tilburg, The Netherlands (Sept. 1985 - Jan. 1988).

4. Degrees

- Doctorate/PhD degree: obtained on 16 December 1991, Faculty of Economics and Econometrics, Free University, Amsterdam. Title dissertation: “Dynamic models for sustainable development”; supervisors: prof. dr. P. Nijkamp and prof. dr. J.B. Opschoor.
- PhD/graduate courses: Network of Operations Research, Tinbergen Institute (economics), Network of Quantitative Economics (NAKE), and Dutch Network of Environmental Sciences (SENSE).
- Master degree in Econometrics with a specialisation in Operations Research, 16 March 1988, Faculty of Economics, Tilburg University, Tilburg.
- Propedeuse Econometrics (cum laude), August 1984, Tilburg University, Tilburg.
- Secondary school: Athenaeum Beta (cum laude), May 1983.

5. Research interests

- Environmental and resource economics.
- Energy and climate economics
- Environmental science and ecological economics
- Evolutionary economics and innovation studies.
- Spatial (regional, transport and urban) economics.

6. Awards, rankings and other honours

- Total citations: 11025 in Web of Science, 13243 in Scopus, and 32600 in Google Scholar; with h-indexes 60, 61 and 91, respectively (retrieval date: 10 January 2024).
- My papers cited in policy documents according to Sage Policy Profiles (<https://policyprofiles.sagepub.com/login>): 897 citations across 749 policy documents; 117 policy documents which cite my work have been cited a further 760 times in 500 other policy

- documents (retrieval date: 10 January 2024).
- World's Best Economics and Finance Scientists: H-Index Economics and Finance Science Ranking in Spain 2024, Research.com. Second position in best Economics and Finance Scientists in Spain. https://research.com/scientists-rankings/economics-and-finance/es?trk=feed_main-feed-card_feed-article-content
 - Invited to become “Beijer Fellow” of the prestigious Beijer Institute of Ecological Economics in Stockholm, Sweden, part of the Royal Swedish Academy of Sciences, February 2022, https://beijer.kva.se/people/?_sft_people-category=beijer-fellows
 - Position 227 in list of the world’s top climate scientists published by Reuters on 20 April 2021 (“The Reuters Hot List”): <https://www.reuters.com/investigates/special-report/climate-change-scientists-list>. I am the highest ranked social scientist from Spain on the list, and the third researcher from Spain (the other two are ecologists).
 - Invited by The Group of Chief Scientific Advisors (GCSA) of the European Commission for a Sounding Board meeting on 6 May 2021 with high-level experts to prepare a scientific opinion on “A systemic approach to the energy transition in Europe”.
 - Invited member of the Advisory Board of the Universal Scientific Education and Research Network (USERN). This network was established as the solution to bring together top scientists to aid scientific research in developing nations (<https://usern.tums.ac.ir/>).
 - Honorary doctorate of the Open University of the Netherlands for pioneering contributions to the debate on environmental politics, based on combining elements of evolutionary, environmental and behavioural economics, Heerlen 26 September 2019.
 - Article “Human health impacts of climate change as a catalyst for public engagement” with C. Pillay, published in *International Journal of Climate Change Strategies and Management* in 2016, was selected by the journal’s editorial team as Outstanding Paper in the 2017 Emerald Literati Network Awards for Excellence. The web page with the winners is: <http://www.emeraldgrouppublishing.com/authors/literati/awards.htm?year=2017>
 - The article L.C. King and J.C.J.M. van den Bergh (2017). Worktime reduction as a solution to climate change: Five scenarios compared for the UK. *Ecological Economics* 132: 124-134. was mentioned as a "Research Highlight" in *Nature Climate Change*, "Business and environment -Working less reduces emissions", <http://www.nature.com/nclimate/journal/v7/n1/full/nclimate3195.html>
 - The editors of *Structural Change and Economic Dynamics* informed me that our paper, “The underestimated contribution of energy to economic growth”, published in 2013 is one of the most highly cited papers during 2014, 2015 and up until June 2016. Certificate is here: communications.elsevier.com/r/?id=h36082311,122660da,122660df&p1=hici-production.eu-west-1.elasticbeanstalk.com/api/redirect/pdf/95006
 - The editors of *Environmental Innovation and Societal Transitions* informed me that our paper, “Macroeconomics, financial crisis and the environment: Strategies for a sustainability transition”, published in 2013 is one of the most highly cited papers during 2014, 2015 and up until June 2016. Certificate is here: communications.elsevier.com/r/?id=h36082312,122660da,122660df&p1=hici-production.eu-west-1.elasticbeanstalk.com/api/redirect/pdf/94979
 - The journal "Research Policy", which is the most influential journal in the field of innovation studies, published in 2012 a special issue on "Sustainability Transitions". One contribution was by K. Safarzynska, K. Frenken and J.C.J.M. van den Bergh (2012), Evolutionary theorizing and modelling of sustainability transitions, *Research Policy* 41: 1011-1024. This

- issue was awarded in 2012 the Chris Freeman Award of the European Association for the Study of Science and Technology (EASST, <http://easst.net/>) for a “significant collective contribution to the interaction of science and technology studies with the study of innovation”.
- Awarded the 2011 Sant Jordi Environmental Prize (Premi Sant Jordi de Medi Ambient 2011) by the Institute of Catalan Studies (IEC), in recognition of contributions to the field of environmental and resource economics.
 - Elected member of the Academy of Europe (Academia Europaea), as of October 2010. See http://www.ae-info.org/ae/User/van_den_Bergh_Jeroen. Council member of Section Committee A11 Economics, Business and Management Sciences, January 2016 – December 2018.
 - Article “The GDP Paradox” published in *Journal of Economic Psychology* 30(2), was awarded a "Citation of Excellence" by the Emerald Management Reviews. The list of Citations of Excellence Top 50 papers published in 2009 in management is based on 15,000 article reviews involving more than 400 accredited journals. The list is available at <http://info.emeraldinsight.com/products/reviews/awards.htm?id=2009>.
 - Awarded the Royal/Shell Prize 2002 (€ 100.000,-) for research on ‘Sustainable Development, Environment and Resources’ (and the only social scientist who won this prize). The selection was done under auspices of the “Royal Dutch Academy of Sciences” and the “Royal Holland Academy of Sciences” (http://www.knaw.nl/cfdata/prijzen/prijzen_detail.cfm?orgid=11).
 - *Handbook of Environmental and Resource Economics* was awarded “Outstanding Academic Title” in 2000 by Choice Magazine (a list of the award winners appeared in the January 2001 issue).
 - Rankings in ‘top 30’ of most cited Dutch economists, published by the Dutch economic journal ‘ESB’, based on citations to articles in SSCI journals: rank 30 in 2001; 20 in 2002, 20 in 2003, 27 in 2006, 25 in 2007, 29 in 2008, 28 in 2009 (note: this list has not been published every year). For details see <http://center.uvt.nl/top40>.
 - Rankings in ‘top 40’ of Dutch economists, published jointly by the magazine ‘Intermediair’ and the economic journal ‘ESB’, based on (with average citations weighted) publications in SSCI journals: rank 28 in 1998; 33 in 2003; 26 in 2005; 15 in 2006, 22 in 2007 (note: this list is not published on a yearly basis, but at irregular times). Since 2008 I am not in this list anymore as I don’t satisfy the criterion of having at least 0.2 time appointment at a Dutch university. For details see <http://center.uvt.nl/top40>.
 - According to IDEAS/RePEc (<http://ideas.repec.org/f/pva353.html>) by various criteria among the top 1% economists in Spain, EU and Europe, and listed as the highest ranked environmental economist of Spain (<http://ideas.repec.org/top>).
 - Regularly invited for conferences (keynote) and workshops, to give lectures, and for membership of conference program committees (annual or bi-annual EAERE, ISEE, ESEE conferences).
 - Nominated for title ‘most successful PhD student’ of the Tinbergen Institute (April 2003; selection from more than 200 PhD’s who defended in the period 1990-2003).
 - Elected best teacher in the year 2007 within the Master program “Environmental and Resource Management”, Institute for Environmental Studies, Free University, Amsterdam.
 - Fifteen articles reprinted in books with classic articles.
 - One of three nominated candidates for President(-elect) (6 years position) in 2007 elections of the International Society for Ecological Economics (ISEE). Received 41 % of all votes

- (winner got 49 %).
- Special issue (“Forum”) of the journal *Ecological Economics* on “Ecological Footprint” (vol. 32(3), 2000), organised by the editor-in-chief, in response to my article “Spatial sustainability, trade and indicators: An evaluation of the 'ecological footprint'” with H. Verbruggen in the same journal (vol. 29(1), pp. 63-74, 1999). This article was listed as the 6th most cited article ever in the journal *Ecological Economics*. Currently (29 March 2012) it has 197 citations (excluding self-citations).
- Research fellow of the Tinbergen Institute Research School, Amsterdam-Rotterdam (since March 1994). Since 2008 special status as Associate (foreign) Research Fellow of the Tinbergen Institute, Amsterdam (which has only 13 associate fellows).
- Fellow of the Netherlands Network of Economics (NAKE) (since September 2001).

7. Editorial services

- Founding editor-in-chief (2011-2021) of the Elsevier journal *Environmental Innovation and Societal Transitions* (<http://www.journals.elsevier.com/environmental-innovation-and-societal-transitions>). In 2021 the journal had an official impact factor of 9.68 from Thomson-Reuters’ Clarivate/Web of Science.
- Co-editor of book series “Advances in Ecological Economics”, Edward Elgar Publishers, Cheltenham, UK, since 2005 (since 2014 with prof. Matthias Ruth).

Membership of editorial boards of academic journals:

- *Ecological Economics* (since April 1996).
- *Regional Environmental Change* (1999-2016).
- *Milieu – Tijdschrift voor Milieukunde* (the main Netherlands’ journal on Environmental Sciences) (January 1999-2003).
- *International Journal of Agricultural Resources, Governance and Ecology* (2000-2007).
- *International Journal of Environmental Technology and Management* (2001-2007).
- *International Journal of Global Environmental Issues* (2001-2007).
- *The Open Environmental Journal* (December 2007-2010).
- *Environmental and Resource Economics* (since September 2008).
- *Resources, Conservation and Recycling* (since December 2009).
- *Low Carbon Economy* (2011-2012).
- *Journal of Economic Structures* (since April 2011).
- *Ecosystem Services* (since October 2011).
- *WIFO-Monatsberichte* (Monthly economic reports, edited by the Austrian Institute of Economic Research) (since January 2014).
- *Journal of Population and Sustainability* (August 2019).
- *Journal of Evolutionary Economics* (December 2021)

Guest editor of the journals:

- *Annals of Regional Science*.
- *Environmental and Resource Economics*: Invited guest editor of a special journal issue on account of the first World congress of Environmental and Resource Economists (published in 1998). This journal is affiliated to the European Association of Environmental and Resource Economists (EAERE), which organises a yearly European conference (since 1990).

Additional editorial experience:

- Past co-editor (jointly with Prof. R.K. Turner of CSERGE, UK) of book series “Studies in Ecological Economics”, Kluwer Academic Publishers, Dordrecht, The Netherlands.
- Editor of the *Handbook of Environmental and Resource Economics* (1999, 79 chapters, 1328 pages).
- Invited editor of the section on “Environmental Economics” (8 chapters) in the *Encyclopedia of Life Support Systems* (UNESCO, 2001).

8. Offices and advisory roles

- Invited member of the advisory board on post-growth of the European Environment Agency, Copenhagen, Denmark, January 2024.
- Invited member of expert group on evidence for climate policies, Departament d'Economia, el Departament d'Acció Climàtica, Alimentació i Agenda Rural i l'Institut Català d'Avaluació de Polítiques Públiques (Ivàlua). (Contact: Anna Segura Lladó), January 2024.
- Invited member of expert Group on “What functions in environmental policy”, organized by the Catalan Government (DEH – Departament d'Economia i Hisenda, el DAAC – Departament d'Acció Climàtica, Alimentació i Agenda Rural) and l'Institut Català d'Avaluació de Polítiques Públiques (Ivàlua). The full name of the project is “Què funciona en polítiques ambientals. Evidència per millorar les polítiques de mitigació i adaptació al canvi climàtic.” March, 2024.
- Invited member of “Think tank Group on Beyond GDP”, organized by SDSN Portugal, a national network that belongs to the UN SDSN (Sustainable Development Solutions Network), for preparing international Conference in Lisbon on 17-18 June “Paving the way towards a Pact of the Future”, to support the preparation of the Summit of the Future in the UN in New York (September 2024).
- Invited member of the External Advisory Board of ECOBAS (“Economics and Business Administration for Society”), an inter-university research centre created between the three public Galician Universities, i.e. A Coruña, Santiago de Compostela, and Vigo.
- Invitation by the standing committee for Economic Affairs and Climate of the Parliament of the Netherlands for a 3-hour round-table discussion with MPs and three other invited scientists about the topic “system transition climate”, on 19 January 2023.
- Invited member of the “Grup d'Expertes i Experts d'Emergència Climàtica de Barcelona” (advisory board on climate policy of the city of Barcelona), since January 2021. <https://www.barcelona.cat/barcelona-pel-clima/ca/barcelona-respon/grup-dexpertes-i-experts-demergencia-climatica-de-barcelona>
- Invited member of Climate-Crisis Policy Team (“Klimaatcrisis Beleid Team” – KBT) to advise the Dutch government and parliament about appropriate design of climate policy. Details and seven published advisory reports – Dec. 2020 – October 2021: <https://ce.nl/publicaties/klimaatcrisis-beleid-team-kbt/>
- Invited member of the Scientific Advisory Board (SAB) for the project ‘Proactive Management of Antarctic Tourism: Exploring the Role of ATS Principles and Values and Best Practices Beyond the ATS’ (PROACT), funded by the Netherlands Polar Programme (NPP), November 2020-2024.
- Invited member of the Expert Advisory Group of the NGO “Population Matters (for a Sustainable Future)”, populationmatters.org, since august 2019.
- Member of the Board of Directors of the Beijer Institute of Ecological Economics, appointed

- by the Royal Swedish Academy of Sciences, since April 2016.
- Member of Award Selection Committee, Symposium on regulation, Oct. 2015, School of Risk, Insurance and Actuarial Science, St. John's University, New York.
 - Chair of Award selection committee for IST2013 best paper prize.
 - Member of the international Audit committee of the Netherlands Environmental Assessment Agency (PBL) (2012).
 - Invited member of the Advisory board of Experts of the EU project EMInn (Environmental Macro Indicators of Innovation), 2012-2013.
 - Invited member of the advisory board of the proposed EU project “Beyond GDP”, organized by UNECE/Eurostat/OECD and Statistics Netherlands (CBS). Other members include A. Atkinson (Oxford University), D. Daianu (former Romanian Minister of Finance), A. Krueger (Princeton Univ.), and J. Stiglitz (Columbia Univ.) (2011-2012).
 - Member of the Steering Group of the international Sustainability Transitions Research Network (since 2010).
 - Founding editor-in-chief of the Elsevier journal *Environmental Innovation and Societal Transitions* (<http://ees.elsevier.com/eist>), 2011-2021 (IF 2021= 9.68).
 - Member of advisory group on a two-year project that will integrate behavioral economics with evolutionary science. The project is a collaboration between the Evolution Institute (<http://evolution-institute.org>), a new think tank for informing public policy from an evolutionary perspective, and the National Evolutionary Synthesis Center (NESCent), NSF’s largest evolution-related center (2010-2012).
 - Member of the International Recommendation Committee (Comité van Aanbeveling) of the C8 Foundation for investment in the development and application of clean energy technologies. C8 stands for “Conscious Consumers create Conscious Companies and Conscious Citizens create Conscious Communities.” (since 2008).
 - Member of the advisory council of the Netherlands Environmental Assessment Agency. Appointment by the Minister of the Environment (2007-2009).
 - Member of the ‘Duurzaamheidsberaad’ (Sustainability Council), consisting of the 8 laureates of the Royal/Shell Prize (Koninklijke/Shell Prijs) for ‘Sustainable development and Energy’ (2002-2007).
 - Chairman of a committee that initiates and supervises 8 special research programs within the overall theme “Sustainable Earth” (about €50 million). The committee combines relevant expertise from the natural, social and technical sciences (2006).
 - Member of the scientific board of the Austrian Institute of Economic Research (WIFO) in Vienna (since July 2004-2014).
 - Member of the Energy Council of the Netherlands (“Algemene Energieraad”. This is an independent advisory board of the Dutch government and parliament. It consists of 10 members, all appointed on a personal title. (December 2003-December 2007).
 - Chairman of program committee of the research program “Vulnerability, adaptation and mitigation: social science research on climate change”, resorting under the Netherlands Organisation for Scientific Research (NWO; this is the national science foundation of the Netherlands) (2003-2009).
 - Member of committee of experts (appointment by the Minister of Traffic and Water) to evaluate a social cost-benefit analysis undertaken by the National Bureau for Policy Analysis, for the theme "Creating space for the rivers in response to flooding risks", in preparation of new legislation (2004-2005).

- Member of the advisory board (“sturgroep”) of the Research Program “Evolution and Behaviour”, resorting under The Netherlands Organisation for Scientific Research (NWO) (2002-2005).
- Auditor of the European Association of Environmental and Resource Economists (EAERE) for 2002 and 2003.
- Member of the Committee Genetic Modification (COGEM). Member and vice-chair of the COGEM’s subcommittee “Ethics and Social Aspects” (Ministerial appointment, Ministry of Housing, Spatial Planning and the Environment) (2002-2005).
- Chairman of ad hoc committee for preparation of a research program on social science aspects of land-ocean interactions in coastal zones, for The Netherlands Organisation for Scientific Research (NWO), February – June 2000.
- Elected member of The Board of Directors of the International Society for Ecological Economics (ISEE), and Chairman of the ISEE Publications Committee, 2000-2002.
- Invited candidate for 1999 Elections of members of The Council of the European Association of Environmental and Resource Economists (EAERE).
- Chairman of the committee “Social, economic and spatial sciences”. This committee evaluates all research proposals in the social sciences (economics, sociology and spatial-geographical sciences) submitted to The Netherlands Organisation for Scientific Research (NWO). In addition, it presents advice to NWO on all matters regarding future research in the social sciences (May 1999 - 2001).
- Member of the program committee of the Multidisciplinary Research Program “Biodiversity”, resorting under The Netherlands Organisation for Scientific Research (NWO) (since 1998; this program will run for a period of 6 to 8 years).
- Member of the permanent Dutch KNAW-LOICZ committee (land-ocean interactions in coastal zones), resorting under the Royal Dutch Academy of Sciences and IGBP (International Geosphere-Biosphere Program) (since 1998).
- Member of ad hoc committee “Monetary valuation of Environmental Losses”, Statistical Office of the Netherlands (CBS), 1995/1996.
- Member of National Environmental Platform (LMO) which advises the co-operative Dutch environmental organisations; active in macroeconomics group (1993-1995).
- Member of ad hoc committee recommending research on “Sustainable Development”, Council for Environmental and Nature Research (RMNO), 1992.
- Student-member of the department council of Econometrics, and student-representative of this council in the faculty council of Economics (Tilburg University, 1986-87).

9. Supervision and evaluation of PhD theses

Past PhD students who have received the doctorate degree:

1. P.P.A.A.H. Kandelaars, April 1997, “Economic Modelling of Materials-Product Chain Management”; co-promotor prof. dr. J.B. Opschoor (Free University, Amsterdam).
2. S.M. de Bruyn, December 1999, “Economic Growth and the Environment: An Empirical Analysis”; co-promotor prof. dr.J.B. Opschoor (Free University, Amsterdam).
3. P.J.H. van Beukering, March 2001, “Recycling, International Trade and the Environment: An Empirical Analysis”; co-promotor prof. H. Verbruggen (Free University, Amsterdam).
4. C. Rammel, January 2002, “Possibilities and Limits of Sustainable Development: An Evolutionary-Theoretical Perspective”; co-promotors Dr. P. Weish and Prof. dr. H. Wilfing

- (University of Vienna).
5. R. Hoekstra, October 2003, “Structural change of the physical economy: decomposition analysis of physical and hybrid-unit input-output tables” (Free University, Amsterdam)
 6. J. Noailly, October 2003, “Coevolutionary modeling for sustainable economic development”; co-promotor prof. dr. C. Withagen (Free University, Amsterdam).
 7. R. Imeson, January 2004, “Economic Analysis and Modelling of Fisheries Management in Complex Marine Ecosystems (Free University, Amsterdam).
 8. M. van der Heide; July 2005, “Ecological-economic principles of nature policy”; co-promotor prof. dr. E.C. van Ierland (Free University, Amsterdam).
 9. R. van der Kruk, December 2005, “Hedonic price analysis of wetlands using spatial econometrics”; co-promotor prof. dr. P. Rietveld (Free University, Amsterdam).
 10. F. Grazi, 27 March 2007, Agglomeration, Transport and Environment: The Economics of Spatial Sustainability; co-promotor prof. dr. C. Carraro (School for Advanced Studies in Venice Foundation, University of Ca’ Foscari, Venice).
 11. J. Hoekstra, 11 January 2007, Essays on integrated modeling with applications to marine ecosystem management (VU University Amsterdam).
 12. F. Eppink, 5 June 2007, “Space for Species: Spatial Ecological-Economic Analyses of Biodiversity Conservation”; co-promotor prof. dr. P. Rietveld (VU University Amsterdam).
 13. V. Nannen, 16 April 2009, Evolutionary modelling of systems in dynamic environments: climate change and other applications; co-promotor prof. G. Eiben (VU University Amsterdam).
 14. W. Botzen, 19 January 2010, Economics of insurance against climate change (with the rare distinction “cum laude”, given to only 3 PhD candidates since 2000 in the respective faculty – Economics and Business Administration, VU University Amsterdam). In October 2010 this thesis was awarded the *VU Societal Impact Award 2010*. A revised version was published as a monograph by Cambridge University Press.
 15. K. Safarzyńska, 20 January 2010, Evolutionary modelling of transitions to sustainable development (with the rare distinction “cum laude”, given to only about 3% of all PhD candidates in the respective faculty – Earth and Life Sciences, VU University Amsterdam).
 16. M. Schaafsma, 26 January 2011, Spatial effects in stated preference studies for environmental valuation, VU University Amsterdam (with prof. R. Brouwer).
 17. L. Brander, 22 June 2011, Economic valuation of landscape fragmentation, VU University Amsterdam (with profs. E. Verhoef and R. Florax)..
 18. J. Garcia, 29 June 2011, The moral herd: Groups and the evolution of altruism and cooperation, VU University Amsterdam (with Dr. M. van Veelen).
 19. P. Zeppini, 13 December 2011, Behavioral models of technological change, University of Amsterdam (with prof. C. Hommes).
 20. I. Logar, 25 November 2011. Tourism, resources and environment: Case studies in Croatia and Spain (with prof. J. Martinez-Alier), Universitat Autònoma de Barcelona, cum laude.
 21. E. Gsottbauer, 26 April 2013. Behavioural economics and environmental policy: theory and experiments, Universitat Autònoma de Barcelona, cum laude.
 22. F. Sekulova, 28 June 2013. Evaluating climate change and policy from the perspective of happiness, Universitat Autònoma de Barcelona.
 23. A. Gagern, 17 June 2014. Ecological and economic impacts of distant water fishing: Three empirical studies, Universitat Autònoma de Barcelona.

24. L. Campos Rodrigues, Economics of ocean acidification and sea warming in the Mediterranean, 17 June 2016.
25. S. Drews, Public and scientific opinion on climate policy, economic growth and the environment, 8 July 2016 (Extraordinary doctorate prize Universitat Autònoma de Barcelona 2015/16).
26. S. Maestre Andrés. Improving governance for biodiversity conservation: Ecosystem services and stakeholder participation in protected areas, ICTA-UAB, 10 October 2016.
27. A. Gazheli, Achieving sustainability transitions: Behavioral barriers, limits to green growth, and investments under uncertainty, ICTA-UAB, 2 November 2016.
28. Juliana Subtil Lacerda, Low carbon innovation: Renewable energy drivers and policies, ICTA-UAB, 14 November 2016.
29. G. Fiorito, Studies in environmental production and transport economics (with prof. M. Giampietro), 2 March 2018.
30. M. Siskova, Essays on cities, urban form and emissions, 18 December 2019.
31. L.C. King, Biophysical, political and economic challenges to achieving Paris climate targets, 11 November 2020 (Extraordinary doctorate prize Universitat Autònoma de Barcelona 2022/21).
32. Théo Konc, Carbon pricing meets social interactions: Implications for climate policy design, ICTA-UAB, 19 November 2021 (with Dr. I. Savin). Cum Laude and received Honorable mention as part of the EAERE Award for Best Doctoral Dissertations in Environmental and Resource Economics, <https://www.eaere.org/best-european-doctoral-dissertation-award>
33. Joël Foramitti, Agent-based modeling of climate policy, Institute for Environmental Studies, Vrije Universiteit Amsterdam, 6 September 2022 (with dr. I. Savin).
34. Juana Castro-Santa, Green advertising in a climate-change context: Experimental studies. ICTA-UAB, 20 June 2022 (with Dr. S. Drews).
35. Franziska Klein, Who has time to be green? The 'double dividend' under bounded rationality and time constraints. ICTA-UAB, 28 November 2022.

Note: several of the aforementioned PhD theses were published in book form by Edward Elgar Publishers, Kluwer Academic Publishers (now Springer), and Cambridge University Press.

Current supervision of PhD Students and Postdocs:

- Daniel Torren Peraire – Modelling cultural evolution to a low-carbon economy.
- Oskar Wood Hansen – Environmental problem shifting.
- James Morrison – Wealth, inequality and climate policy
- Catarina Midões – Climate adaptation, health and policy synergy
- Pablo Núñez Yebra – Connecting local to global climate policy
- Elisa Grugni – Climate policy, international trade, and dynamic production networks
- Enrico Chiogna – Behavioural experiments of communication through beyond-GDP metrics
- Valentina Guldberg – Modelling impacts of climate policy on beyond-GDP metrics

External evaluation of PhD theses (i.e. membership of PhD degree awarding committees):

- 1997: R. Heijungs (Leiden University).
- 1998: M. Bouman (University of Amsterdam); J.P. Kooiman (University of Amsterdam); en S. Rienstra (Free University, Amsterdam).
- 1999: M.M. Ikiara (University of Amsterdam); F.O. Nyang (University of Amsterdam), N. Castells (Free University, Amsterdam); Y. Schipper (Free University, Amsterdam), J.A. Wolfenden (The University of New England, Armidale, Australia).
- 2000: E. Pels (Free University, Amsterdam), W. Jager (University of Groningen).

- 2001: Falconi-Benitez (University Autònoma de Barcelona, Spain), K.J. Kamming (University of Groningen), E. Padilla Rosa (University Autònoma de Barcelona, Spain).
- 2002: R. Muradian (University Autònoma de Barcelona, Spain), J. Dalhuizen (Free University, Amsterdam), R. van der Veeren (Free University, Amsterdam), C. Böhner (Free University, Amsterdam), K. Fabbri (Free University, Amsterdam).
- 2003: I.V. Ossokina (Erasmus University Rotterdam), M. van Veelen (Free University, Amsterdam).
- 2004: M. van Veelen (VU), R. Groeneveld (LUW), S. Suh (CML, Leiden) en E. Fernández-Vázquez (Oviedo University, Spain).
- 2005: B.ö. Ortaköylüoğlu (Universitat Autònoma de Barcelona, Spanje); M. Brons (Free University, Amsterdam).
- 2006: A.H.A. Rahim (LUW)
- 2007: C. Traversi (VU University Amsterdam - VUA); Lorenzo Pellegrini (VUA).
- 2008: N. Kosoy (UAB), L. Pellegrini (VUA), M. Serrano (Universitat de Barcelona).
- 2009: A. Moreno (Maastricht University).
- 2010: J. de Haan (Erasmus University Rotterdam), A.F. Hof (VUA).
- 2011: S. Rebers (VUA).
- 2012: P. Nussbaumer (UAB), T. Fleiter (UU).
- 2013: B. Edens (VUA).
- 2014: A. van der Vooren (Utrecht University).
- 2015: S. Carattini (Universitat de Barcelona).
- 2017: P. Hudson (VU University Amsterdam), T. Stoerk (Pompeu Fabre University, Barcelona).
- 2018: L. Kessler (London School of Economics and Political Science), Adriana Diaz Arias (Delft University of Technology)
- 2019: F.D.S. Knobloch (Radboud University, Nijmegen).
- 2020: J.L. Martínez González (Universitat de Barcelona).
- 2021: Mariateresa Silvi (Universitat Autònoma de Barcelona).
- 2022: Nick Martin, Aljoša Slameršak (both Universitat Autònoma de Barcelona).
- 2024: Andrew Wainwright (University of Bath).

10. Project funding

Research project have been undertaken for various institutions, notably the Netherlands Organization for Scientific Research (funding of many postdoc and PhD research positions in the period 1997-2010), EU-FP6 and EUFP7, national Ministries of the Netherlands (Economics, Environment and Transport), environmental NGOs (Greenpeace. WWF International), the OECD, the United Nations Industrial Development Organization (UNIDO), United Nations Environment Programme (UNEP), Royal/Shell, Ministerio de Ciencia e Innovación de España, Generalitat de Catalunya, EU-FP7. In addition, with my support my PhD students acquired FPU and FI scholarship grants (FPU is from the Spanish government, FI from the Catalan government). Joint writer with P. Ziveri of project on “Global challenges related to climate change”, awarded Maria de Maeztu (MdM) Excellent Unit to ICTA-UAB, €2 million (2016-2021). ERC Advanced Grant “Behavioral-evolutionary analysis of climate policy: Bounded rationality, markets and social interactions” (EVOCLIM), January 2018-June 2023. Recercaixa project “public support of carbon pricing”, Sept. 2017 - October 2019. Theme leader, guarantee

and co-supervisor of “Sustainable earth”, second awarding of Maria de Maeztu (MdM) Excellent Unit to ICTA-UAB, €2 million, 2020-2023. La Caixa Inphinit program 2021 (PhD student). ITN-MCSA (Innovative Training Network – Marie Skłodowska-Curie) project “Economic Policy in Complex Environments”, focused on agent-based modelling of climate policy and low-carbon transition (EPOC), EU Horizon 2020, €501 809.76 for ICTA, 2021-2024. ClimAte Policy AcceptaBiLity Economic framework (CAPABLE), EU Horizon 2021, 2023-2025. Advanced ERC grant "Climate policy versus Economic growth" (CLIMGROW), European Research Council, 2024-2028.

11. Teaching experience

- Currently I have no teaching obligations (as ICREA research professor). Nevertheless, I teach part of a Master course “Foundations of Ecological Economics”, Institute of Environmental Science and Technology, Universitat Autònoma de Barcelona.
- I have been teaching since 1992, and was from 1996 to 2007 responsible for all education in Environmental Economics at undergraduate and graduate levels, at the Faculty of Economics and Business Administration, Free University, Amsterdam. This included first-year undergraduate teaching (200 students) and smaller groups in the third year.
- From 2003 to 2007 I was coordinator of a multidisciplinary teaching module “Policy and management” in the Master program “Environmental and Resource Management”, Institute for Environmental Studies, Free University, Amsterdam.
- From 1992-2000 I gave Master/PhD courses in Environmental Economics on a yearly basis for the Tinbergen Institute (PhD students in economics).
- I have given several courses abroad, among others in Barcelona, Vienna, Jena and Prague, on environmental economics, innovation and environment, and evolutionary economics.

Other relevant information

- Over time I supervised ± 200 short papers by undergraduate students and ± 40 Master theses.
- Many guest lectures given in courses at various universities in the Netherlands and abroad.
- Contribution to education in computer simulation and modelling in a course on Environmental Science (UBM; Institute for Environmental Studies, Free University, 1988-1991).
- Teaching assistant in Mathematics (helping students solve proofs in mathematical analysis). Research assistant in Operations Research (Pascal programming of teaching software, aimed at producing 3-dimensional illustrations of Simplex Method for Linear Programming). Both in the Department of Econometrics, Tilburg University, 1985-1988).
- Elected best teacher in the year 2007 within the Master program “Environmental and Resource Management”, Institute for Environmental Studies, Free University, Amsterdam.

12. Foreign experience

- Visiting professor, Section Innovation Studies, Department of Innovation and Environmental Sciences and Copernicus Institute, Utrecht University, 27-28 February 2012.
- Visiting professor, teaching on Economics, Environment and Innovation, Jena, July 2009, 4th Jena Summer Academy on “Innovation and Uncertainty”, organized by the University of Jena and the Max Planck Institute of Economics, Jena, Germany.
- Visiting professor, teaching on Economics, Environment and Innovation, Groupe de Recherche en Économie Théorique et Appliquée (GREThA), University of Bordeaux,

France, April 2010.

- Visiting professor, Max Planck Institute of Economics, Jena, Evolutionary Economics Group, teaching to Master students, March 2007.
- Visiting professor, Dept. of Economic Theory and History (Facultat de Ciències Econòmiques i Empresariales), and Institut de Ciències i Tecnologies Ambientals (ICTA), Universitat Autònoma de Barcelona, Spain, March-April and October 2001; July/August 2005; teaching and research.
- Visiting professor, Dept. of Economics, Vienna University of Economics and Business Administration, Vienna, Austria, May 2000; teaching (Master/PhD course and post-conference workshop on “Evolution in Environmental Economics”).
- Visiting professor, Department of Economics, School of Humanities and Social Sciences, Rensselaer Polytechnic Institute, Troy, New York State (USA), October-November 1997, November 1998, and February 2000; research and teaching.
- Visiting scholar, Department of Economics, University of Venice, Italy, September-October 1995; research on “spatial equilibrium modelling and transport”.
- Visiting scholar, Stockholm School Economics, The Institute for Future Studies, and The Royal Institute for Technology in Stockholm, Sweden, Augustus-December 1992; research (“spatial CGE modelling and environmental policy”).
- CERGE, Karl University, Prague, Czech Republic, June 1992; teaching PhD course on Environmental economics.

13. Lectures

- About 80 lectures since September 2007 (start at ICREA), in conferences, workshops, etc.
- Includes 14 keynote/plenary lectures and 50 other invited lectures (e.g., in workshops and department lecture series).

14. PUBLICATIONS

Contents:

- P1. Books - monographs
- P2. Books - edited volumes
- P3. Articles in refereed international journals
- P4. Reprinted articles in collections
- P5. Articles in non-English language journals
- P6. (Guest) editor of special issues of journals, sections of encyclopaedias, and book series
- P7. Articles in refereed books
- P8. Articles in conference proceedings and non-refereed journals and books
- P9. Book reviews
- P10. Web/Internet publications
- P11. Articles in newspapers and (popular science) magazines
- P12. Lectures online

P1. Books - monographs

1. J.C.J.M. van den Bergh (1991), *Dynamic Models for Sustainable Development*, Thesis Publishers, Amsterdam, 274 pages (Ph.D. thesis).
2. J.C.J.M. van den Bergh (1996), *Ecological Economics and Sustainable Development: Theory, Methods and Applications*, Edward Elgar Publ., Aldershot, UK, 312 pages.
3. J.C.J.M. van den Bergh, K.J. Button, P. Nijkamp en G.J. Pepping (1997), *Meta-analysis in Environmental Economics*. Kluwer Academic Publishers, Dordrecht, 219 pages.
4. P.A.L.D. Nunes, J.C.J.M. van den Bergh and P. Nijkamp (2003). *The Ecological Economics of Biodiversity: Methods and Applications*. Edward Elgar Publ., Cheltenham, UK, 165 pages.
5. J.C.J.M. van den Bergh, A. Barendregt and A. Gilbert (2004). *Spatial Ecological-Economic Analysis for Wetland Management: Modelling and Scenario Evaluation of Land Use*, Cambridge University Press, Cambridge, UK, 254 pages.
6. J.C.J.M. van den Bergh, J. Hoekstra, R. Imeson, P. Nunes and A. de Blaeij (2006). *Economic Modeling and Policy Analysis of Exploited Marine Ecosystems*. Springer, Dordrecht, 263 pages.
7. J.C.J.M. van den Bergh, A. Faber, A.M. Idenburg and F.H. Oosterhuis (2007). *Evolutionary Economics and Environmental Policy: Survival of the Greenest*. Edward Elgar, Cheltenham, 180 pages.
8. J.C.J.M. van den Bergh (2018). *Human Evolution beyond Biology and Culture: Evolutionary Social, Environmental and Policy Sciences*. Cambridge University Press, Cambridge, UK, 551 pages.

P2. Books - edited volumes

9. J.C.J.M. van den Bergh and J. van der Straaten (eds.) (1994), *Toward Sustainable Development: Concepts, Methods and Policy*, Island Press, Washington D.C., USA, 287 pages.
10. J.C.J.M. van den Bergh, P. Nijkamp and P. Rietveld (eds.) (1996), *Recent Advances in Spatial Equilibrium Modeling: Methodology and Applications*. Springer, Berlin, 391 pages (based on own conference/workshop).
11. J.C.J.M. van den Bergh and J. van der Straaten (eds.) (1997), *Economy and Ecosystems in Change: Analytical and Historical Approaches*. Edward Elgar, Cheltenham, UK, 400 pages.
12. J.C.J.M. van den Bergh and M.W. Hofkes (eds.) (1998), *Theory and Implementation of Economic Models for Sustainable Development*. Kluwer Academic Publishers, Dordrecht,

- 327 pages (based on own conference/workshop).
13. J.C.J.M. van den Bergh (ed.) (1999), *Handbook of Environmental and Resource Economics*. Edward Elgar Publ., Cheltenham, UK, 1328 pages (awarded “Outstanding Academic Title” by Choice Magazine, January 2001; 2nd print as paperback).
 14. R.K. Turner, J.C.J.M. van den Bergh and R. Brouwer (eds.) (2003), *Managing Wetlands: An Ecological Economics Approach*. Edward Elgar Publ., Cheltenham, UK, 328 pages.
 15. J.C.J.M. van den Bergh and M.A. Janssen (eds.) (2005). *Economics of Industrial Ecology: Use of Materials, Structural Change and Spatial Scales*. The MIT Press, Cambridge, MA, USA, 448 pages.
 16. J.C.J.M. van den Bergh, K.J. Button and P. Nijkamp (eds.) (2007). *Environmental Planning. Classics in Planning*, vol. 8. Edward Elgar, Cheltenham, 38 chapters, 636 pages.
 17. J.C.J.M. van den Bergh and F. Bruinsma (eds.) (2008). *Managing the Transition to Renewable Energy: Theory and Macro/Regional Practice*. Edward Elgar, Cheltenham, 385 pages.

P3. Articles in refereed international journals

1. J.C.J.M. van den Bergh and P. Nijkamp (1990), Ecologically sustainable economic development: concepts and model implications, *Studies in Regional Science* 20: 1-23.
2. P. Nijkamp, F.J. Soeteman and J.C.J.M. van den Bergh (1990), Regional sustainable development and natural resource use, Proceedings of the World Bank Annual Conference on Development Economics, Supplement to the *World Bank Economic Review* 4: 153-188.
3. J.C.J.M. van den Bergh and P. Nijkamp (1991), Aggregate dynamic economic-ecological models for sustainable development, *Environment and Planning* 23: 1409-1428.
4. J.C.J.M. van den Bergh and P. Nijkamp (1991), Operationalizing sustainable development: dynamic ecological-economic models, *Ecological Economics* 4: 11-33.
5. J.C.J.M. van den Bergh and P. Nijkamp (1991), A general dynamic economic-ecological model for regional sustainable development, *Journal of Environmental Systems* 20: 189-214.
6. J.C.J.M. van den Bergh (1993), A framework for modelling economy-environment-development relationships based on dynamic carrying capacity, materials balance and sustainable development feedback, *Environmental and Resource Economics* 3: 395-412.
7. J.C.J.M. van den Bergh and P. Nijkamp (1993), Dynamic Macro Modelling for Sustainable Development: Economic-Environmental Integration and Materials Balance, *Revue Européenne des Sciences Sociales* 31: 241-270.
8. J.C.J.M. van den Bergh and P. Nijkamp (1994), An integrated model for economic development and natural environment: An application to the Greek Sporades Islands, *The Annals of Operations Research* 54: 143-174.
9. J.C.J.M. van den Bergh and P. Nijkamp (1994), Sustainability, resources and region, *The Annals of Regional Science* 28: 1-5.
10. J.C.J.M. van den Bergh and P. Nijkamp (1994), Modelling ecologically sustainable economic development in a region: A case study in the Netherlands, *The Annals of Regional Science* 28: 7-29.
11. J.C.J.M. van den Bergh and P. Nijkamp (1994), Dynamic macro modelling and materials balance: Economic-environmental integration for sustainable development, *Economic Modelling* 11: 283-307.
12. J.C.J.M. van den Bergh and P. Nijkamp (1995), Growth, trade and sustainability in the spatial economy. *Studies in Regional Science* 25 (2): 67-87.
13. C. van Beers and J.C.J.M. van den Bergh (1996), An overview of methodological approaches in the analysis of trade and environment. *Journal of World Trade* 30: 143-167.
14. P.P.A.A.H. Kandelaars and J.C.J.M. van den Bergh (1996), Materials-product chains: theory

- and an application to Zinc and PVC gutters. *Environmental and Resource Economics* 8: 97-118.
15. J.C.J.M. van den Bergh and P. Nijkamp (1996), Models of spatial externalities and networks. *International Journal of Transport Economics* 23(2): 121-139.
 16. P.P.A.A.H. Kandelaars, J.B. Opschoor, and J.C.J.M. van den Bergh (1996), A dynamic simulation model for materials-product chains: An Application to gutters. *Journal of Environmental Systems* 24: 345-371.
 17. J.C.J.M. van den Bergh (1997), Economy-wide effects of freight transport in a spatial general equilibrium setting, *International Journal of Transport Economics* 24(1): 97-117.
 18. P.P.A.A.H. Kandelaars and J.C.J.M. van den Bergh (1997), Materials-product chain analysis of window frames, *Ecological Economics* 22: 41-61.
 19. C. van Beers and J.C.J.M. van den Bergh (1997), An empirical multi-country analysis of the impact of environmental regulations on foreign trade. *Kyklos* 50: 29-46.
 20. J.C.J.M. van den Bergh and K.J. Button (1997), Meta-analysis of environmental issues in regional, urban and transport economics. *Urban Studies* 34: 927-944.
 21. E.T. Verhoef, K.J. Button and J.C.J.M. van den Bergh (1997), Transport, spatio-economic equilibrium and global sustainability. *Environment and Planning A* 29: 1195-1213.
 22. J.C.J.M. van den Bergh and P. Nijkamp (1997), New advances in economic modelling and evaluation of environmental issues. *European Journal of Operations Research* 99: 180-196.
 23. J.C.J.M. van den Bergh and P. Nijkamp (1998), A Multiregional perspective on growth and environment: the role of endogenous technology and trade. *Annals of Regional Science* 32: 115-131.
 24. T. Sterner and J.C.J.M. van den Bergh (1998), Frontiers of Environmental and Resource Economics. *Environmental and Resource Economics* 11(3): 243-260.
 25. S.M. de Bruyn, J.C.J.M. van den Bergh and J.B. Opschoor (1998), Economic growth and emissions: reconsidering the empirical basis of environmental Kuznets curves. *Ecological Economics* 25: 161-175.
 26. P. Nijkamp and J.C.J.M. van den Bergh (1998), Economic aspects of global environmental change impacts and response strategies in the Netherlands. *Journal of Coastal Conservation* 4: 161-168.
 27. J.C.J.M. van den Bergh and H. Verbruggen (1999), Spatial sustainability, trade and indicators: an evaluation of the 'ecological footprint', *Ecological Economics* 29(1): 63-74.
 28. J.B. Guinée, J.C.J.M. van den Bergh, et al. (8 authors) (1999), Evaluation of risks of metal flows and accumulation in economy and environment. *Ecological Economics* 30 (1): 47-65.
 29. J.C.J.M. van den Bergh and H. Verbruggen (1999), An evaluation of the 'ecological footprint': reply to Wackernagel and Ferguson. *Ecological Economics* 31(3): 319-322.
 30. J.C.J.M. van den Bergh (1999), Materials, capital, direct/indirect substitution, and materials balance production functions. *Land Economics* 75 (4), 547-561.
 31. J.C.J.M. van den Bergh, A. Ferrer-i-Carbonell en G. Munda (2000), Alternative models of individual behaviour and implications for environmental policy. *Ecological Economics* 32(1): 43-61.
 32. M. Bouman, R. Heijungs, E. van der Voet, J.C.J.M. van den Bergh and G. Huppes (2000), Material flows and economic models: an analytical comparison of SFA, LCA and partial equilibrium models. *Ecological Economics* 32(2): 195-216.
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 34. K.P. Fabbri and J.C.J.M. van den Bergh (2000), Integrating geomorphology with ecological economics for integrated coastal zone management. *International Journal of Development*

- Planning Literature* 15(1): 49-72.
35. R. Roson and J.C.J.M. van den Bergh (2000), Network markets for composite goods and services: Structure and efficiency. *Annals of Regional Science* 34: 197-211.
 36. R.K. Turner, J.C.J.M. van den Bergh, T. Söderqvist, A. Barendregt, J. van der Straaten, E. Maltby, and E.C. van Ierland (2000), Ecological-economic analysis of wetlands: scientific integration for management and policy. *Ecological Economics* 35(1): 7-23.
 37. J.C.J.M. van den Bergh and J.M. Gowdy (2000), Evolutionary theories in environmental and resource economics: approaches and applications. *Environmental and Resource Economics* 17(1): 37-57.
 38. C. van Beers en J.C.J.M. van den Bergh (2000). Perseverance of perverse subsidies and their impact on trade and the environment. *Ecological Economics* 36(3): 475 – 486.
 39. J.C.J.M. van den Bergh (2000). Ecological Economics: Themes, approaches, and differences with environmental economics. *Regional Environmental Change* 3(1): 13-23.
 40. P. Mulder and J.C.J.M. van den Bergh (2001), Evolutionary economic theories of sustainable development. *Growth and Change* 32(1): 110-134.
 41. D.B. van Veen-Groot, P. Nijkamp en J.C.J.M. van den Bergh (2001). A scenario study of globalization impacts on international transport and the environment: an application to the Dutch paper industry. *Journal of Environmental Planning and Management* 44(1): 21-40.
 42. Ayres, R.U., J.C.J.M. van den Bergh and J.M. Gowdy (2001). Strong versus weak sustainability: economics, natural sciences and ‘consilience’, *Environmental Ethics* 23 (1): 155-168.
 43. J.C.J.M. van den Bergh, A. Barendregt, A. Gilbert, M. van Herwijnen, P. van Horssen, P. Kandelaars en C. Lorenz (2001). Spatial economic-hydroecological modelling and evaluation of land use impacts in the Vecht Wetlands area. *Environmental Modelling and Assessment* 6(2): 87-100.
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 48. Janssen, M.A, J.C.J.M. van den Bergh, P.J.H. van Beukering and R. Hoekstra (2001). Changing Industrial Metabolism: Methods for Analysis. *Population and Environment* 23: 139-156.
 49. J.C.J.M. van den Bergh and D.B. van Veen-Groot (2001). Constructing aggregate environmental-economic indicators: a comparison of 12 OECD countries. *Environmental Economics and Policy Studies* 4(1): 1-16.
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 51. S. Proost, et al., J.C.J.M. van den Bergh (12 authors in total) (2002). How large is the gap between present and efficient transport prices in Europe? *Transport Policy* 9: 41-57.
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 53. J.C.J.M. van den Bergh en J.M. Holley (2002). An environmental-economic assessment of

- genetic modification of agricultural crops. *Futures* 34 (9-10): 802-822.
54. R.A. de Mooij , J.C.J.M. van den Bergh (2002). Growth and the environment in Europe: a guide to the debate. *Empirica* 29(2): 79-91.
 55. R. Hoekstra and J.C.J.M. van den Bergh (2002). Structural I/O Decomposition Analysis of Material Flows through the Economy. *Environmental and Resource Economics* 23: 357-378.
 56. J.C.J.M. van den Bergh and J.M. Gowdy (2003). The microfoundations of macroeconomics: an evolutionary perspective. *Cambridge Journal of Economics* 27(1): 65-84
 57. J. Noailly, J.C.J.M. van den Bergh and C.A. Withagen (2003). Evolution of harvesting strategies: replicator and resource dynamics. *Journal of Evolutionary Economics* 13(2): 183-200.
 58. R. Hoekstra and J.C.J.M. van den Bergh (2003). Comparing structural decomposition analysis and sector-level index number analysis. *Energy Economics* 25: 39-64.
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 60. C. Rammel and J.C.J.M. van den Bergh (2003). Evolutionary policies for sustainable development: adaptive flexibility and risk minimising. *Ecological Economics* 47 (2): 121-133.
 61. J.C.J.M. van den Bergh and S. Stagl (2003). Coevolution of economic behaviour and institutions: towards a theory of institutional change. *Journal of Evolutionary Economics* 13 (3): 289-317.
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 63. M.A. Janssen and J.C.J.M. van den Bergh (2004). Into the black box of environmental Kuznets curves: Optimal growth and material resource use in two trading countries. *The Annals of Regional Science* 38: 93-112.
 64. R. Imeson and J.C.J.M. van den Bergh (2004). A bioeconomic analysis of a shellfishery: the effects of recruitment and habitat in a metapopulation model. *Environmental and Resource Economics* 27: 65-86.
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 67. J.C.J.M. van den Bergh (2004). Optimal climate policy is a utopia: from quantitative to qualitative cost-benefit analysis. *Ecological Economics* 48: 385-393.
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73. P. van Beukering en J.C.J.M. van den Bergh (2006). Modelling and analysis of international recycling between developed and developing countries. *Resources, Conservation and Recycling* 46: 1-26.
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77. R. Hoekstra and J.C.J.M. van den Bergh (2006). The impact of structural change on physical flows in the economy: Forecasting and target analysis using structural decomposition analysis *Land Economics* 82(4): 582-601.
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82. J.C.J.M. van den Bergh, E.S. van Leeuwen, F.H. Oosterhuis, P. Rietveld, and E.T. Verhoef (2007). Social learning by doing in sustainable transport innovations: ex-post analysis of common factors behind successes and failures. *Research Policy* 36: 247-259.
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2. T. Sterner and J.C.J.M. van den Bergh (eds.), Frontiers of Environmental and Resource Economics. *Environmental and Resource Economics*, Vol. 11 (3-4): 243-654, 1998 (invited as guest editors on the occasion of the first World Congress of Environmental and Resource Economists in Venice, Italy, 1998).
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5. Editor of Book series “Advances in Ecological Economics”, Edward Elgar Publ., Cheltenham, UK (since 2004).
6. Editor-in-chief of the Elsevier journal *Environmental Innovation and Societal Transitions* (<http://ees.elsevier.com/eist>), since 2010, and editor of various special issues of this journal: the opening issue, an issue on the economic-financial crisis and sustainability transitions, an issue on energy, materials and growth (a homage to Robert Ayres, 2013), and an issue on the best conference papers and plenary lectures from the 2013 International Sustainability Transitions (IST) meeting.

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P12. Lectures online

Here are some lectures and interviews on youtube:

- Does a sustainability transition require regulation of economic complexity? <https://www.youtube.com/watch?v=H-SW8nBHORM>
- Climate policy, transportation transition & geographical space (Benelux interuniversity association of transport researchers, 2023), <https://www.youtube.com/watch?v=tZAotHghqv4>
- Capitalism vs environment: Growth, degrowth or agrowth (University of Castellon, Valencia, 2022), <https://www.youtube.com/watch?v=vUfwQIRvEoY>
- A path to effective climate policy: Implications for Spain and Catalonia (Societat Catalana d'Economia, 2021), <https://shorturl.at/adgI1>
- Agrowth and sustainability (Population Matters Conference on Boom or Bust: Population and Economics, London, 2021), <https://www.youtube.com/watch?v=2JYR1KVp-A8&t=2s>
- Carbon pricing: features, versions and prospects (PensamENTs lecture), <https://www.youtube.com/watch?v=KUj9TvkCtLQ&t=209s>
- El medi ambient després de la cimera de París (in Spanish), Auditori Barradas, L'Hospitalet de Llobregat, Barcelona, <https://www.youtube.com/watch?v=FcCpfD11IQE>
- A transition to global carbon pricing (CREAF Talks), <https://www.youtube.com/watch?v=GREGQBs3xQU>
- A-growth or Degrowth? Debate Jeroen van den Bergh & Giorgos Kallis, <https://www.youtube.com/watch?v=EfAEjjTEPL4>
- Interview at Annual Climate Conference 2019 about Climate policy, https://www.youtube.com/watch?v=0moOhRb2_gI
- Critique to GDP (Interview at International Degrowth Conference in Barcelona, 2010), <https://www.youtube.com/watch?v=GHnXXeBVkPo> and <https://www.youtube.com/watch?v=U9EkyzAUhbg>
- Synergy of pandemic and climate solutions, <https://www.youtube.com/watch?v=4Ez9N04IIUY>
- Me Judice - Jeroen van den Bergh over milieu- en klimaatbeleid, <https://www.youtube.com/watch?v=kcfC0GY-4IE>
- El reto energético, un reto social y económico (CCCB, in Catalan), <https://www.cccb.org/es/multimedia/videos/jeroen-van-der-bergh/210659>
- Entrevista amb CCCB, in Catalan, <https://www.cccb.org/es/multimedia/videos/entrevista-a-jeroen-van-den-bergh/210603>
- Agrowth, Climate and circular architecture, Circular Strategies Symposium 3 (7 October, 2022), <https://buildingconstruction.at/event/circular-strategies-symposium-3/>