

Curriculum vitae

PERSONAL INFORMATION

Kees Zeelenberg

 +31 70 3374928  +31 6 52353805

 k.zeelenberg@cbs.nl

 <http://www.keeszeelenberg.com>

WORK EXPERIENCE

1/10/1985–Present

Statistician

Statistics Netherlands (CBS)
Henri Faasdreef 312, PO Box 24500, 2490 HA The Hague (Netherlands)
<http://www.cbs.nl>

Business or sector Public administration and defence; compulsory social security

1/5/2005–Present

Chief Methodologist

Statistics Netherlands (CBS)

Responsible for:

- research in economic statistics
 - inflation
 - labor market
 - methodology for measuring the economy
 - free services, intangibles, R&D, big data
- relations with external research institutions (Eurostat, universities)
- quality management of methodology
- ex officio member of boards for chairs in official statistics
- co-applicant, on behalf of CBS, of M3 (*Molecuul, Mens, Maatschappij*) proposal for the Agenda for Large-scale Research Facilities of the KNAW (Royal Netherlands Academy of Arts and Science) (2016)
- co-applicant, on behalf of CBS, of NDSW (Nationale Datainfrastructuur voor de Sociale Wetenschappen) proposal for the *National Roadmap for Large-Scale Research Facilities* of NWO (Netherlands Organisation for Scientific Research) (2015)

1/1/2012–30/4/2017

Director of Methods and Statistical Policies

Statistics Netherlands

Responsible for:

- research:
 - research program
 - relations with internal clients and external research institutions (Eurostat, universities)
 - ex officio member of boards for chairs in official statistics
- methodological framework
- quality framework, certification and risk management
- statistical program priorities
- statistical coordination
- statistical auditing
- privacy protection and information security

1/6/2006–31/12/2011

Director of Methodology and Quality

Statistics Netherlands

Responsible for:

- 75 staff
- research and development in general statistical methods (sampling, editing, disclosure control, analysis, business architecture)
- relations with internal clients and external research institutions (Eurostat, universities)
- quality assurance of major redesign programs in economic and social statistics and National accounts
- methodological framework
- quality framework, certification and risk management
- statistical program priorities
- statistical coordination
- statistical auditing
- privacy protection and information security

1/10/2005–31/5/2006 Deputy Division Director, Division of Business Statistics

Statistics Netherlands

Responsible for:

- 275 staff
- development and production of statistics in agriculture, retail trade, fixed capital formation, environment, energy, R&D

1/2/2003–30/9/2005 Deputy Division Director, Division of Macro-economic Statistics and Dissemination

Statistics Netherlands

- general deputy of the Director
- efficiency plans for the Division

1/5/2000–30/9/2005 Director of Research and Development, Division of Macro-economic Statistics and Dissemination

Statistics Netherlands

Responsible for:

- 90 staff
- research, IT and statistical development for price index numbers, National accounts, government and banking statistics, dissemination systems

1/9/1997–30/11/1999 Manager, Trainee Program

Statistics Netherlands

- Joint general manager of the trainee program
- Head of group of 10 - 15 trainees

1/5/1997–30/9/2000 Deputy Director of Statistical Methods

Statistics Netherlands, Den Haag (Netherlands)

Responsible for:

- general consultancy and research programs of the department
- Special activities:
 - joint program manager of the Social Statistical Database (Virtual Census)
 - head of special audit team for the Consumer Price Index (CPI)

- 1/6/1996–30/9/2000 **Head of Statistical analysis and Coordination**
Statistics Netherlands
Responsible for:
- micro-data analysis, statistical disclosure control, seasonal adjustment, econometric analysis, sociometric analysis, statistical coordination, business architecture
 - 15 staff
 - relations with internal clients
 - research
- 1/6/1994–30/5/1996 **Manager, Center for Research of Economic Micro-data (Cerem)**
Statistics Netherlands
Responsible for
- establishing the **Center**
 - contacts with external users and internal suppliers of micro-data
- 1/12/1988–30/5/1994 **Head, Econometric Analysis**
Statistics Netherlands
Responsible for:
- micro-data analysis
 - seasonal adjustment
 - econometric analysis
- 1/10/1985–30/11/1988 **Mathematical statistician**
Statistics Netherlands
- research in
 - applied general-equilibrium analysis
 - micro- and macro-economic effects of taxation
 - consumer-demand analysis
 - socio-economic accounts
- 1/5/1984–30/9/1985 **Assistant Professor of Macro-economics**
University of Amsterdam
- research
 - teaching of undergraduate and graduate courses
- 1/3/1979–28/2/1983 **Assistant professor of Econometrics**
Vrije Universiteit, Amsterdam
- research in applied econometrics
 - teaching of undergraduate and graduate courses
 - micro-economic theory
 - input-output analysis
- 1/6/1978–28/2/1979 **Research officer**
Vrije Universiteit, Amsterdam
research:

- modelling of buying and selling in bookshopping

1/8/1976–31/5/1978

Research assistant

Vrije Universiteit, Amsterdam

research:

- vintage models of output, investment and employment
- depreciation of capital stock

EDUCATION AND TRAINING

1/3/1979–30/6/1985

PhD Economics

EQF level 8

Vrije Universiteit, Amsterdam

PhD thesis: Industrial price formation. North-Holland, Amsterdam.

1/9/1974–28/2/1979

MA Economics

EQF level 7

Vrije Universiteit, Amsterdam

- macro-economics
- international economics
- public economics

Awarded with distinction (cum laude)

1/9/1973–30/6/1978

MSc Econometrics

EQF level 7

Vrije Universiteit, Amsterdam

- econometrics
- mathematical economics
- probability theory and markov chains

Awarded with distinction (cum laude)

1/7/1973–30/8/1974

BA Economics

EQF level 6

Vrije Universiteit, Amsterdam

Awarded with distinction (cum laude)

1/9/1971–30/6/1973

BSc Econometrics

EQF level 6

Vrije Universiteit, Amsterdam

Awarded with distinction (cum laude)

1/9/1965–31/5/1971

Grammar school (Gymnasium-β)

EQF level 4

SPECIFIC COURSES

1/9/2002–1/6/2003

Executive Management

EQF level 7

Nyenrode University, Breukelen (Netherlands)

1/9/1981–15/12/1981

University Teaching Qualification (Basiscursus voor Docenten)

EQF level 6

Vrije Universiteit, Amsterdam (Netherlands)

PERSONAL SKILLS

Mother tongue(s) Dutch

Foreign language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C1	C2	C2
German	C1	C1	B1	B2	A2
French	A2	B1	A1	A1	A1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
Common European Framework of Reference for Languages

Organisational / managerial skills Management of research groups and research divisions (10 - 100 staff)

Job-related skills

- Data and statistics in public policy
- Economic statistics
- Quality
- Social statistics
- Statistical methods

Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem-solving
Proficient user	Proficient user	Independent user	Proficient user	Proficient user

Digital skills - Self-assessment grid

- R
- Spss
- LaTeX
- C

Driving licence B

ADDITIONAL INFORMATION

Honours and awards

- *Elected Member* (Fellow) of the *International Statistical Institute* (2006): elected in recognition of achievements in statistical research and development
- *Service Award* of the *International Statistical Institute* "for outstanding services as editor of the *International Statistical Review*, ISI's flagship journal" (2013)
- *Statistics Netherlands Emancipation Award* "for promoting the position of women managers at Statistics Netherlands" (2007)

Official positions

- Member, *Statistical Mission to Cyprus (Turkish Cypriot Community)* (2017)
- Chair, International Working Group *UN Handbook of Composite Indicators* (2013 - 2018)
- Member, Board for the *European Master in Official Statistics* (2014 - 2018)
- Member, *Sponsorship on Quality* of the European Statistical System (2009 - 2011)
- Member, Steering Committee for the *Principal European Economic Indicators* of the European Statistical System (2010 - 2015)
- Member, *DIME* (Conference of Directors of Methodology in the European Statistical System) (2008)

- 2015)

- Member, Steering Committee *DIME* (Conference of Directors of Methodology in the European Statistical System) (2009 - 2015)

Professional positions

- Associate Editor *Survey Research Methods*, 2013 -
- Chief Editor, *International Statistical Review*, 2006 – 2010
- Member, *Panel of Experts Studiekeuze123* (2008 -)
- Chair, *Panel of Experts Studiekeuze123* (2013 -)
- Non-executive director *CenterData* (2010 - 2018)
- Member, Scientific Program Committee IAOS 2012 Conference *Getting Our Messages Across*
- Member, Scientific Program Committee IAOS 2014 Conference *Meeting the Demands of a Changing World*
- Chair, Scientific Program Committee, IAOS 2018 Conference *Better Statistics for Better Lives*
- Member Executive Committee *International Association for Official Statistics* (IAOS) (2017-2018)
- Member, Jury for the *Young Statisticians Prize* 2016
- Chair, Jury for the *Young Statisticians Prize* 2019
- Founder (2000) of the *GnuWin* project for open-source software on MS-Windows
- Founder (2008) of the LinkedIn group *Official Statistics Network*

Publications

- Braaksma B., Zeelenberg K. and De Broe S., 2019, Big data in official statistics: a perspective from Statistics Netherlands. To appear in *Big data meets survey science*, Wiley: New York.
- Kuurstra D. and K. Zeelenberg, 2019, Statistical quality by design: certification, rules and culture. To appear in *Revista Estadística Española*
- Zeelenberg K. and B. Braaksma, 2017, Big data in official statistics. In: T. Promodou (ed), *Data Visualization and Statistical Literacy for Open and Big Data*. IGI, Hershey (Pa), pp. 274 - 296. doi: [10.4018/978-1-5225-2512-7.ch011](https://doi.org/10.4018/978-1-5225-2512-7.ch011)
- Zeelenberg K., 2016, Challenges to Methodological Research in Official Statistics. *Proceedings of the 2016 International Methodology Symposium*, Statistics Canada, Ottawa (Ontario, Canada).
- Boomsma D.I., Aarts C.W.A.M., van Harmelen F., Doom P.K., Zeelenberg K., Abdellaoui A., 2016, *M3: From Molecule to Society and Back*. Contribution to the *Academy Agenda for Large-scale Research Facilities* of the Royal Netherlands Academy of Arts and Sciences (KNAW).
- Smekens M. and K. Zeelenberg, 2015, Lean Six Sigma at Statistics Netherlands. *Statistical Journal of the IAOS* 31. doi: [10.3233/SJI-150930](https://doi.org/10.3233/SJI-150930).
- Braaksma B. and K. Zeelenberg, 2015, "Re-make/Re-model:" should big data change the modelling paradigm in official statistics? *Statistical Journal of the IAOS* 31(2), 1-10. doi: [10.3233/SJI-150892](https://doi.org/10.3233/SJI-150892).
- Braaksma B. and K. Zeelenberg, 2013, *Information management as tool for standardisation in statistics*. In: *Proceedings of the 59th ISI World Statistics Congress*, pp. 865-870.
- Booleman, M. and K. Zeelenberg (2013): Industrialisation in official statistics: a view on quality reporting and sufficient quality. In: *Proceedings of NTTS 2013* (New Techniques and Technologies for Statistics), pp. 184-191.
- Zeelenberg K., 2012, Onafhankelijke statistiek (Independent statistics), *Stator* **13(3-4)**, 37-39.
- Zeelenberg K., 2011, Democracy, elections and official statistics. In: H. Schmeets (ed), *International Election Observation and Assessment of Elections*. Statistics Netherlands, The Hague / Heerlen, pp 10-11.

- Daas P.J.H., L. Kuijvenhoven, and K. Zeelenberg, 2010, Registers: Onderzoeksagenda voor de toekomst (Administrative data: research agenda). In: B. F.M. Bakker and L. Kuijvenhoven (eds), *Registers in sociaalwetenschappelijk onderzoek: Mogelijkheden en valkuilen*. Statistics Netherlands, The Hague / Heerlen, pp 173 - 186.
- Keuning S.J. and C. Zeelenberg, 2003, Samenhang in de statistiek (Coherence in official statistics). In: A.P. Ros and H.R.J. Vollebergh (eds), *Ontwikkeling en overheid*, pp 139-50. SDU, The Hague.
- Kooiman P., K. Zeelenberg, and W.J. Keller, 2003, De nauwkeurigheid van geïntegreerde gegevens (The accuracy of integrated statistics). In: S.A. Algera, P. van der Laan and J. Nobel (eds), *Gedacht en gemeten*, pp 111-20. Statistics Netherlands, Voorburg / Heerlen.
- Zeelenberg K., 2003, Review of 'D.A. Harville, Matrix algebra: exercises and solutions.' *Kwantitatieve Methoden* 70.
- Zeelenberg K., 2001, Review of 'H.D. Kurz (ed.): Critical Essays on Piero Sraffa's Legacy in Economics'. *De Economist* 149(3), 377-8, doi: [10.1023/A:1017202929325](https://doi.org/10.1023/A:1017202929325).
- Zeelenberg K., 2000, Review of 'F.S. Lee: Post-Keynesian Price Theory'. *De Economist* 148(1), 132-4, doi: [10.1023/A:1017202929325](https://doi.org/10.1023/A:1017202929325).
- Beki C., K. Zeelenberg, and K. van Montfort, 1999, An analysis of the crime rate in the Netherlands 1950-93. *British Journal of Criminology* 39(3), 401-15, doi:[10.1093/bjc/39.3.401](https://doi.org/10.1093/bjc/39.3.401).
- Zeelenberg, K. and G. van Leeuwen, 1998, Seasonal adjustment. In: A. Willeboordse (ed), *Handbook on the Design and Implementation of Business Surveys*. Eurostat, Luxembourg, pp. 171-5.
- Zeelenberg, C., 1997, De vraag naar productiefactoren onder vast kapitaal (The demand for factors of production under fixed capital). In: G. van der Laan, J.W.B. van Overhagen, I.J. Steyn and H.C. Tijms (eds), *Econometrie in Beweging: Bundel bij het afscheid van prof. dr. A.H.Q.M. Merkies* (Econometrics in motion, Festschrift for Professor Nol Merkies), Vrije Universiteit, Amsterdam, pp. 191-8.
- Zeelenberg, K., 1997, A simple derivation of the linearization of the regression estimator. *Survey Methodology* 23(1), 77-8.
- Driel H. van, V. Nadall, and K. Zeelenberg, 1997, The demand for food in the United States and the Netherlands: a systems approach with the CBS model. *Journal of Applied Econometrics* 12(5), 509-32, doi: [10.1002/\(SICI\)1099-1255\(199709/10\)12:5509::AID-JAE4513.0.CO;2-P](https://doi.org/10.1002/(SICI)1099-1255(199709/10)12:5509::AID-JAE4513.0.CO;2-P). Also, with discussion, in: J.R. Magnus and M.S. Morgan, 1999, *Methodology and tacit knowledge: two experiments in econometrics*, Wiley, Chichester, pp. 99-122.
- Bartelsman E., K. Zeelenberg, K., and G. van Leeuwen, 1996, R&D and productivity growth: evidence from firm-level data for the Netherlands. *Netherlands Official Statistics* 11(3), 52-69.
- Zeelenberg, K. and G. van Leeuwen, 1996, Micro-analysis of firm data. *Netherlands Official Statistics* 11(3), 7-23.
- Zeelenberg, K., 1996, Foreword Special Issue Micro-analysis of firm data. *Netherlands Official Statistics* 11(3), 5.
- Zeelenberg, K. (ed.), 1996, Special Issue Micro-analysis of firm data, *Netherlands Official Statistics* 11(3).
- Hassink W., R.D. Huigen, and C. Zeelenberg, 1994, Sampling errors and the substitution between white-collar and blue-collar workers. *Applied Economics Letters* 1(10), 164-6, doi: [10.1080/135048594357925](https://doi.org/10.1080/135048594357925). Also in: S. Laaksonen (ed), *Techniques and Uses of Enterprise Panels*, Statistical Office of the European Communities, Luxembourg, 1995, pp. 375-9.
- Huigen R.D., A.J.M. Kleijweg, G. van Leeuwen, and C. Zeelenberg, 1993, De vraag naar produktiefactoren in de industrie (The demand for inputs in manufacturing). In: R.B. van Brakel et al. (eds), *Het midden- en kleinbedrijf: analyses en achtergronden* (Small- and medium-sized businesses: analyses and backgrounds), Centraal Bureau voor de Statistiek / Economisch Instituut voor het Midden- en Kleinbedrijf, Voorburg / Zoetermeer, pp. 95-107.
- Huigen R.D., A.J.M. Kleijweg, G. van Leeuwen, and C. Zeelenberg, 1992, Analysis of producer behaviour using panel data of Dutch manufacturing. *Netherlands Official Statistics* 7(3), 4-17.
- Zeelenberg C., R.D. Huigen, and H. van de Stadt, 1991, Tax incidence in the Netherlands: simulations with an applied general equilibrium model. In: W.J. Keller et al. (eds), *Statistical integration*, SDU, The Hague, pp. 149-70.
- Zeelenberg C., R.D. Huigen, P. Kooiman, H. van de Stadt, and W.J. Keller, 1991, *Tax incidence in the Netherlands: accounting and simulations*. SDU, The Hague.
- Zeelenberg C., R.D. Huigen, and P. Kooiman, 1991, Total accounts: an accounting system for

applied general equilibrium analysis. In: *Netherlands Official Statistics* 6(2), 4-20.

- Cornielje O.J.C. and C. Zeelenberg, 1991, Excess demand in the Keller model. *De Economist* 139(2), 291-309, doi: [10.1007/BF01460316](https://doi.org/10.1007/BF01460316). Also in: H. Don, T. van de Klundert, and J. van Sinderen (eds), *Applied general equilibrium modelling*, Kluwer, Dordrecht, pp. 155-73, doi: [10.1007/978-94-015-7908-7](https://doi.org/10.1007/978-94-015-7908-7).
- Kleijweg A., G. van Leeuwen, R. Huigen, and K. Zeelenberg, 1990, Firm size and the demand for energy in Dutch manufacturing, 1978-1986. *Journal of Small Business Economics* 2(3), 171-81.
- Zeelenberg C., R.D. Huigen, and H. van de Stadt, 1989, Gevolgen van belastingmaatregelen uit het Nationaal Milieubeleidsplan (Effects of tax proposals in the National Environment Plan). *Openbare Uitgaven* 21, 201-10.
- Stadt H. van de, R.D. Huigen, and C. Zeelenberg, 1989, Inkomenseffecten van de Oort-voorstellen (Income effects of the Oort proposals). *Economisch-Statistische Berichten* 74, 525-28/37
- Kleijweg A.J.M., R.D. Huigen, G. van Leeuwen, and C. Zeelenberg, 1989, Energy demand by Dutch manufacturing, 1978-1986. In: R.J. Mokken et al. (eds), *Statistical Essays*, SDU, The Hague, pp. 87-100.
- Zeelenberg C., R.D. Huigen, and P. Kooiman, 1989, Total accounts: an accounting system for applied general equilibrium analysis. In: R.J. Mokken et al. (eds), *Statistical Essays*, SDU, The Hague, pp. 25-39.
- Kleijweg A., G. van Leeuwen, R. Huigen, K. Zeelenberg, P. Kooiman, and S. Schim van der Loeff, 1989, The demand for energy in Dutch manufacturing: a study using panel data of individual firms 1978-1986. In: Bureau of the Census, Proceedings of the Fifth Annual Research Conference, US Department of Commerce, Washington (DC), pp. 395-407.
- Huigen R., H. van de Stadt, and C. Zeelenberg, 1989, Socio-economic accounts for the Netherlands. *Review of Income and Wealth* 35 (3), 317-34, doi: [10.1111/j.1475-4991.1989.tb00595.x](https://doi.org/10.1111/j.1475-4991.1989.tb00595.x). Also in: *Netherlands Official Statistics* 3(1), 18-38.
- Keller W.J., C. Zeelenberg, R.D. Huigen, and P. Kooiman, 1988, Effecten van belastingheffing: een toegepaste algemeen-evenwichtsanalyse (Effects of taxation: an applied general equilibrium analysis). In: F.A.A.M. van Winden (ed.), *Belastingheffing en belastinghervorming*, Preadviezen van de Koninklijke Vereniging voor de Staathuishoudkunde (Tax incidence and tax reform, Invited papers for Conference of the Royal Economic Society of the Netherlands), Stenfert Kroese, Leiden, pp. 65-110.
- Huigen R., H. van de Stadt, and C. Zeelenberg, 1988, Sociaal-economische rekeningen (Socio-economic accounts). *Economisch-Statistische Berichten* 73, 436-8.
- Huigen R. and C. Zeelenberg, 1988, Sociaal-economische rekeningen: methodebeschrijving en toepassing voor 1981 (Socio-economic accounts: methods and application for 1981). SDU: The Hague.
- Zeelenberg C., 1986, Review of 'J. Piggott, and J. Whalley (ed.), 1985, New developments in applied general equilibrium analysis.' *De Economist* 134, 498-500, doi: [10.1007/BF01423609](https://doi.org/10.1007/BF01423609).
- Zeelenberg C., 1986, Industrial price formation. North-Holland, Amsterdam.
- Zeelenberg C., 1984, Nutsmaximalisatie (Utility maximization). In: *Encyclopedie van de Bedrijfseconomie*, pp. 1470-2, Kluwer, Deventer / Antwerpen.
- Zeelenberg C., 1984, Nutsfunctie (Utility function). In: *Encyclopedie van de Bedrijfseconomie*, pp. 1470-2, Kluwer, Deventer / Antwerpen.
- Zeelenberg C., 1984, Nutstheorie (Utility theory). In: *Encyclopedie van de Bedrijfseconomie*, pp. 1470-2, Kluwer, Deventer / Antwerpen.
- Juffermans P., F. Nijssen, and K. Zeelenberg, 1976, *De Nederlandse belangen in Zuidelijk Afrika* (Dutch investments in Southern Africa). SUA, Amsterdam.

Papers

- Zeelenberg, K., W. Ypma and P. Struijs, 2018, Quality management of methodology and process development for official statistics. Discussion Paper, Statistics Netherlands, The Hague / Heerlen. Presented at the 2018 European Conference on Quality in Official Statistics, Krakow, 28 June 2018.
- Kuurstra, D. and K. Zeelenberg, 2018, Statistical quality by design: certification, rules and culture. Discussion Paper, Statistics Netherlands, The Hague / Heerlen.
- Houweling, S. and K. Zeelenberg, 2018, Relationships between inflation indicators. Discussion Paper, Statistics Netherlands, The Hague / Heerlen.

- Zeelenberg K., 2016, *Quality by design*. Paper for the European Conference on Quality in Official Statistics, Madrid, 2 June 2016.
- Zeelenberg K., 2016, *Models in official statistics*. Paper for the European Conference on Quality in Official Statistics, Madrid, 1 June 2016.
- Wolf P.-P. and K. Zeelenberg, 2015, *Challenges for statistical disclosure control in a world with big data and open data*. Invited paper for the 60th World Statistics Congress, 26-31 July 2015, Rio de Janeiro.
- Braaksma B. and K. Zeelenberg, *Smart cities and official statistics – some ideas*, Invited paper for the 60th World Statistics Congress, 26-31 July 2015, Rio de Janeiro.
- Zeelenberg K., 2015, *Product and service innovation at Statistics Netherlands*. Invited paper presented at the Seminar on Modernization of statistical production and services and managing for efficiency at the 63rd Plenary Session of the Conference of European Statisticians, Geneva, 16 June 2015.
- Braaksma B. and K. Zeelenberg, 2013, *Issues related to major redesigns in national statistical offices: discussion*. Invited comments at the session on *Issues related to major redesigns in national statistical offices*, 59th World Statistics Congress, Hong Kong, 23-29 August 2013.
- Bruinooge G. and K. Zeelenberg, 2013, *Statistics 2025: official statistics in a new perspective*. Statistics Netherlands, The Hague / Heerlen.
- Bruinooge G. and K. Zeelenberg, 2013, *Statistiek 2025: officiële statistiek in een nieuw perspectief*. Statistics Netherlands, The Hague / Heerlen.
- Booleman M. and K. Zeelenberg, 2013, *Quality reporting and sufficient quality*. Discussion Paper 2013-05, Statistics Netherlands, The Hague / Heerlen.
- Booleman M. and K. Zeelenberg, 2012, *The business case of quality management at Statistics Netherlands*. Paper presented at Q2012 (European Conference on Quality in Official Statistics), Athens, 30 May - 1 June 2012.
- Zeelenberg K. and S. de Bie, 2012, *Trust and statistical dissemination*. Discussion Paper 2012-20, Statistics Netherlands, The Hague / Heerlen.
- Jong A. de, E. Schepens, J. Schiepers, J. van Velzen, H. Verduin, M. Verstege-Jilesen, and K. Zeelenberg, 2011, *Review of statistical priorities at Statistics Netherlands*. Discussion paper 2011-07, Statistics Netherlands, The Hague / Heerlen.
- Vlag P., G. Bruinooge, K. Zeelenberg, S. Algera, and B. van Cleef, 2009, *Tracing and explaining business cycles: a factsheet with rapid estimates*. Statistics Netherlands, The Hague / Heerlen.
- Ypma, W. and K. Zeelenberg, 2009, *Counting on statistics: Statistics Netherlands' Modernization Program*. Discussion paper 2009-32, Statistics Netherlands, The Hague / Heerlen.
- Haan M. de, P.H. van Mulligen, P. van de Ven, and K. Zeelenberg, 2004, *National accounting in the knowledge and information society*. Paper presented at the 28th General Conference of the International Association for Research in Income and Wealth, Cork, 22-28 August 2004.
- Bethlehem J. and K. Zeelenberg, 2003, *Stijlgids Research Papers* (Style guide for research papers). Statistics Netherlands, Voorburg / Heerlen.
- Zeelenberg C., 1998, *Estimation of random-coefficient models*. Statistics Netherlands, Voorburg / Heerlen.
- Zeelenberg K., B. de Boer, and R. Brouwer, 1997, *Sustainability in growth models*. Statistics Netherlands, Voorburg / Heerlen.
- Pannekoek J. and K. Zeelenberg, 1997, *The variance of model-based estimators*. Statistics Netherlands, Voorburg / Heerlen.
- Petoussis K., R.D. Gill, and K. Zeelenberg, 1996, *Statistical analysis of heaped duration data*. Mathematical Institute, Utrecht University, Utrecht.
- Boer B. de, R. Brouwer, and C. Zeelenberg, 1995, *Milieu en nationaal produkt in de economische theorie (Environment and national product in economic theory)*. Statistics Netherlands, Voorburg / Heerlen.
- Zeelenberg C., 1993, *A survey of matrix differentiation*. Statistics Netherlands, Voorburg / Heerlen.

Work in progress

- Zeelenberg K., *The information matrix in factor analysis: a matrix derivation*.
- Zeelenberg K., *The distribution of input-output multipliers*.
- Zeelenberg K., *A survey of matrices with applications in statistics*

- Zeelenberg K., *Analysis of survey data*

Presentations

- *Quality by design*. Presentation at the European Conference on Quality in Official Statistics, Madrid, 2 June 2016.
- *Models in official statistics*. Presentation at the European Conference on Quality in Official Statistics, Madrid, 1 June 2016.
- *Challenges to Methodological Research in Official Statistics*
- *Challenges for statistical disclosure control in a world with big data and open data*, Invited presentation at the 60th World Statistics Congress, 26-31 July 2015, Rio de Janeiro.
- (with B. Braaksma) *Smart cities and official statistics – some ideas*, Invited presentation at the 60th World Statistics Congress, 26-31 July 2015, Rio de Janeiro.
- *Big en dirty data* (Big and dirty data). Invited opening address at the conference *Orde uit Chaos: Occupancy-modellen veranderen de natuurmonitoring* (Order from chaos: Occupancy models for nature monitoring), The Hague, 14 March 2013.
- *Big data and official statistics*. Invited presentation at the *DIME* (Conference of Directors of Methodology in the European Statistical System), Luxembourg, 26 February 2013.
- *The future of Total Survey Design*. Invited opening address of the 6th International Total Survey Error Workshop, Santpoort, 3 September 2012.
- *The business case of quality management at Statistics Netherlands*. Paper presented at the European Conference on Quality in Official Statistics, Athens, 29 May - 1 June 2012.
- *R&D in official statistics*. Invited presentation at the *DIME* (Conference of Directors of Methodology in the European Statistical System), Luxembourg, 12 March 2012.
- *Standardization and integration of statistical production processes*, Invited comments at the Special Topics Session *Standardization and integration of statistical production processes* of the 58th World Statistics Congress, Dublin, 21-26 August 2011.
- *Democracy, elections and official statistics*. Invited opening address at the Expert Meeting on Enhancement of 'International Election Observation and Assessment of Elections'. Maastricht, 8 April 2011.
- *Standardization in statistics*. Invited presentation at Statistics Korea, Seoul, 29 March 2011.
- *Registers: Onderzoeksagenda voor de toekomst* (Administrative data: research agenda). Invited keynote speech at the Conference on Administrative Data in Social Science Research, Leiden, 24 June 2010.
- *Rapid Estimates: A Dashboard for Short-term Economic Developments*, Invited presentation at the Third International Seminar on Early Warning and Business Cycle Indicators, Moscow, 17-19 November 2010.
- *Trust and statistical dissemination*. Invited paper presented at the 57th World Statistics Congress, Durban, 16-22 August 2009.
- (with G. Bruinooge), *Possible rapid indicators to measure changes in economic trends*. Invited discussion comments presented at the International Seminar on Timeliness, Methodology and Comparability of Rapid Estimates of Economic Trends, Ottawa, 27-29 May 2009.
- (with G. Bruinooge): *Tracing and explaining business cycles: a factsheet with rapid estimates*. Invited paper presented at the International Seminar on Timeliness, Methodology and Comparability of Rapid Estimates of Economic Trends, Ottawa, 27-29 May 2009.
- *Counting on Statistics: Statistics Netherlands' Modernization Program*. Invited paper presented at the Seminar on Increasing the Efficiency and Productivity of Statistical Offices, 55th plenary session of the Conference of European Statisticians, Geneva, 11-13 June 2007.
- *Statistics Netherlands and Blaise*. Invited presentation at the 10th International Blaise Users Conference, Arnhem, 11 May 2006.

Academic activities

- Member Ph.D. committee *Rationing and capital mobility in applied general equilibrium models* by Olav J.C. Cornielje, Vrije Universiteit Amsterdam, 1990
- Co-supervisor Ph.D. thesis *Prijsanalyse (Price analysis)* by Harry W.J. Donkers, Twente University, 1992
- Co-supervisor MA thesis *Groei en grootte: groeien kleine bedrijven sneller dan grote? (Size and growth of firms: do small firms grow faster than large firms?)*, Erasmus University Rotterdam, 1998

- Referee for *Psychometrika*, *Review of Income and Wealth*, *Communications in Statistics*, *De Economist*, *Kwantitatieve Methoden*, *International Statistical Review*, *Survey Research Methods*

Teaching

- Advanced Micro-economics (BSc Econometrics, Vrije Universiteit: 1980, 1981, 1982)
- Input-output Analysis (MSc Econometrics, Vrije Universiteit: 1981)
- Macro-economic Theory (BA Economics, University of Amsterdam: 1984, 1985)
- Empirical Macro-economics (MA Economics, University of Amsterdam: 1985)
- Econometric Analysis of Survey data (PhD Economics, Tinbergen Institute: 1995, 1996)

Authority Control

- VIAF: [40861090](#)
- ISNI: [0000 0000 2892 6375](#)
- ORCID: [0000 0000 2892 6375](#)
- ResearcherID: [B-4263-2012](#)
- Scopus ID: [6508020006](#)
- Google Scholar: [muXrSQMAAAAJ](#)
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