

Curriculum vitae Prof. Dr. Jeroen P. van der Sluijs**PERSONAL INFORMATION**

Family name, First name: Van der Sluijs, Jeroen P.
 Date of birth: 25 October 1965
 Sex: Male
 Nationality: Dutch
 Researcher unique identifier(s) <http://orcid.org/0000-0002-1346-5953>
<http://researcherid.com/rid/B-6302-2008>
<http://scholar.google.com/citations?user=B8VdMX4AAAAJ>
 URL for web site: <http://www.uib.no/en/persons/Jeroen.P.van.der.Sluijs>
 Twitter: @Jeroen_vdSluijs **1234 followers** (Oct 2019)
 @bijensterfte **2085 followers** (my Utrecht Univ. twitter on bee decline)

EDUCATION

1997 PhD – “*Anchoring amid uncertainty: On the management of uncertainties in risk assessment of anthropogenic climate change*” [Thesis **213x cited**, Google Scholar], Faculty of Science, Dept. of Science Technology and Society, Utrecht University, The Netherlands
 1990 Master – Faculty of Chemistry, University of Leiden, The Netherlands

ACADEMIC QUALIFICATIONS

2013 **Academic Leadership Trajectory** Utrecht University
 2008 Senior Teaching Qualification Utrecht University
 2005 Senior Research Qualification Utrecht University
 2004 Certificate “Supervising & coaching of PhD students” (in-company training, Utr. Univ.)

CURRENT AND PREVIOUS POSITIONS

2014 – present **Full Professor** (100%) “Theory of Science and Ethics of the Natural Sciences”, Centre for the Studies of the Sciences and the Humanities, **University of Bergen**, Norway
 2011 – present **Associate Professor** (>2014: 20%) in “New and Emerging Risks”; Faculty of Geosciences, Dept. of Innovation, Environmental & Energy Sciences, **Utrecht University**, Netherlands
 2004–2012 Invited Professor; International Centre for Research in Ecological Economics, Eco-Innovation and Tool Development for Sustainability (REEDS); University of Versailles Saint-Quentin-en-Yvelines, France. (1^e classe du Corps Des Professeurs Des Universités)
 2001–2011 Assistant Professor; Dept of Science, Technology and Society (STS), Utrecht University.
 1997–2001 Lecturer/Researcher; Department of STS, Utrecht University, The Netherlands

FELLOWSHIPS AND AWARDS

2018 & 2015 **Ranked #45 (2018) and #25 (2015) in “The Sustainable 100”**, top 100 of most influential Netherlands persons contributing to sustainable development, by daily newspaper *Trouw*;
 2013 Nominated for Utrecht University Publi Award 2013 – **in top 3 of scientists with best media coverage** (TV, Radio & Daily newspapers) of Utrecht University.
 1996 **YSSP Fellow** (Young Scientists Summer Program); International Institute for Applied Systems Analysis (**IIASA**), Laxenburg.

SUPERVISION OF GRADUATE STUDENTS AND RESEARCH FELLOWS

7 PhD students (6 graduated, 1 ongoing); 8 PostDocs; 7 Junior Researchers; 17 MSc students (theses)

TEACHING ACTIVITIES

Developed, coordinated and taught 2 PhD-, 4 MSc-, and 3 BSc-courses; plus developed and taught modules to 8 other MSc- and 7 BSc-courses coordinated by others.

2014–present Coordinator of **PhD course** “Theory of Science and Ethics” for all PhD students in the Faculty of Mathematics and Natural Science of University of Bergen.
 2015–2019 Coordinator of **PhD course** “Maintaining Scientific Integrity in Present Day Academic Reality” for all PhD students of the Faculty of Geosciences of Utrecht University
 1999–present Taught in **24 international PhD summer schools**. *Selection*:
 • *Numbers for policy: practical problems in quantification*, 2018, Castelldefels (co-organiser).

- *Climate Change: Disasters, Challenges & Opportunities*, 2013, Utrecht (co-organiser).
- PhD retreat of the *integrated school of ocean sciences ISOS* 2013, Kiel (co-organiser).
- *Science, Policy and Epidemiology*, November 21–23, 2011 Florence (organiser).
- UNESCO-IHE *Climate Change in Integrated Water Management* (yearly 2006–2013).
- *SENSE Understanding Global Environmental Change* 2007 & 2009, Hoeven NL.

ORGANISATION OF SCIENTIFIC MEETINGS

(Co-)organiser of more than 20 international workshops and conferences including:

- 15-17 November 2018 **PNS4 symposium Post-normal science as a movement: between informed critical resistance, reform and the making of futures**, Barcelona ES. (**Chair of Scientific Committee**)
- 8-10 November 2017 **Anticipation 2017**, 2nd International Conference on Anticipation, London, UK (member scientific committee & co-organiser session “The Old is Dying, and the New Cannot be Born”)
- 29-31 August 2016 **4th Nordic Conference on Climate Change Adaptation – From Research to Actions and Transformation**, Bergen NO (organiser & chair of session “Adaptation under uncertainty - Resilience”)
- 7–11 June 2013 **IUCN international symposium on systemic pesticides, Tokyo, Japan** (co-organiser)
- 26–29 January 2011 **Reconciliation in the Climate Change Debate**, Lisbon, Calouste Gulbenkian Foundation and EC Joint Research Centre (co-organiser / co-initiator)
- 5–8 July 2009 **15th Annual International Sustainable Development Research Conference**, Utrecht. (**organiser and co-chair of track 1A** “Track 1A: Sustainability Science: definitions, concepts, indicators and implications of sustainable development, precautionary principle, and resilience.”)

INSTITUTIONAL RESPONSIBILITIES

- 2017: Guest editor of **Special Issue of *Futures*** on Post Normal Science in Practice
- 2011–2014: **Scientific Coordinator** international scientific Task Force on Systemic Pesticides (advising to IUCN & IPBES) Worldwide Integrated Assessment of the Impact of Systemic Pesticides on Biodiversity & Ecosystems [30 scientist from 15 countries, interdisciplinary]
- 2004–2014 **Co-led educational and research evaluations and audits at programme level, institute level** (Copernicus Institute UU), **and research school level** (SENSE Research School)
- 2004–2011 Member of the **Management Team (MT)** of the department of STS, Utrecht University
- 2001–2011 **Head of research cluster** “Energy and Global Change: Dealing with Risk and Uncertainty”, department of STS Utrecht University

COMMISSIONS OF TRUST

- 2018–2019: Member of **SAPEA Working Group Making sense of science under conditions of uncertainty and complexity** (ALLEA Science Advice for Policy by European Academies)
- 2007–present: Member of the “Health and Environment Surveillance Committee” of the **Netherlands Health Council** (members are **appointed by Royal Decree**; prestigious position)
- 2016–present: Member of international scientific advisory board of **Flemish Center of Expertise on Environment and Health**, Belgium
- 2011–2014: Member of Advisory Committee on Sustainability Issues to the Board (BAC) of the **Association of the Dutch Chemical Industry (VNCI)**
- 2011–2014: Member of the **Review Panel** of the Belgian Science Policy Office (**BLESPO**) Research programme “**Science for a Sustainable Development**” (SSD)
- 2011–2016 Member of the scientific advisory board of Informing Climate Adaptation Decisions (**ICAD**), **ERC starting Grant Suraje Dessai**, University of Leeds

MEMBERSHIPS OF SCIENTIFIC SOCIETIES

- 2016–present **International Network for Government Science Advice** www.ingsa.org
- 2009–present **Society for Philosophy of Science in Practice** www.philosophy-science-practice.org
- 2005–present **The Integrated Assessment Society (TIAS)** www.tias-web.info

Section c: Ten years track-record

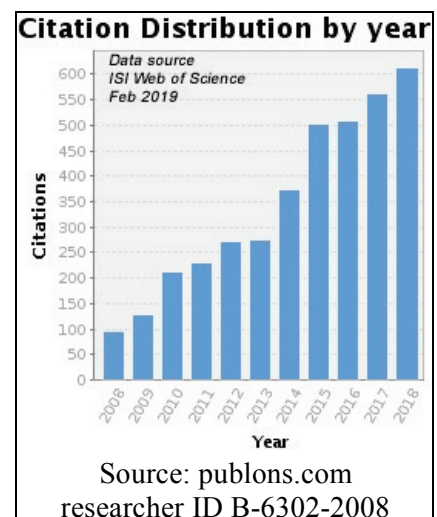
My work on the conceptualisation and typification of uncertainty in science for policy and the reflective approaches to the assessment of (model) quality that I developed have significantly advanced understanding and appreciation of deep uncertainty in scientific assessment of issues such as climate change and risks of new and emerging technologies. It has inspired and enabled many scholars and science–policy interface institutions around the world to develop new ways of interfacing complex science and policymaking. Among them are Science Advice for Policy by European Academies (SAPEA) [lead author of chapter 5 of the **2019 Making Sense of Science report**]; the **Netherlands Environmental Assessment Agency** [lead author of their **uncertainty guidance**] and the **European Environment Agency** [invited chapter author of 2013 **Late Lessons from Early Warnings II report**]. My conceptual work on the phenomenon of uncertainty is widely cited and my various practical tools for knowledge quality assessment are now widely used in many disciplines and EU projects and on a wide range of sustainability issues. I guest-edited a **special issue** of the journal *Futures* (vol. 91, Aug 2017) on ‘**post normal science in practice**’, building on 2 international conferences that I co-organised. I am author of 4 **correspondences** in *Science* (2018: *Call to restrict neonicotinoids* 7x cited Google Scholar; 2011: *Science-Policy Interface: Beyond Assessments*, 68x cited Google Scholar) and *Nature* (2014: *Biodiversity reports need author rules*, 9x cited; 2016: *Climate costing is politics, not science* 7x cited). Key papers are **translated into Japanese (11), Chinese (3) and French (4)**.

- **h-Index: 54** (Google Scholar); **37** (Scopus); **36** (ISI Web of Science) (*measured Oct 2019*)
- **4 papers highly cited** (in **top 1%** of field & publication year; *Essential Science Indicators Feb 2019*)
- I have published in total **83 articles** in peer-reviewed journals and **29 book chapters**. My work has received **12389 citations** (Google Scholar).
- In the **past 10 years** I have published: **45 peer-reviewed journal articles** in ISI-indexed journals (of which **26 as last author and 7 as first author**); **8 peer-reviewed journal articles** in **non-ISI-indexed journals** (of which **4 as last author and 4 as first author**); and **18 chapters** in **peer-reviewed books**.
- **75%** of my ISI-indexed papers are in journals whose **impact factor** is in the **top quartile (Q1)** of its ISI subject category (**A-journals**); **60%** of my book chapters are in books published by **A-book publishers** (SENSE list).
- Published with **>150 different co-authors** (Scopus) from a wide range of fields and countries.

Funding 2008-2018: I (co)acquired and supervised (inter)national research projects from: **EU FP6/FP7/H2020** [partner in: RECIPES, HEIRRI, EPINET, APHEKOM, GSD, INTARESE, ALARM, ERICA]; **Norwegian Research Council** [PI of CoCliServ (ERANET), UC4A, partner in: FiGo, UncAP]; Triodos Foundation [Ecological risks of systemic pesticides]; Knowledge for Climate (NL) [Decision making under uncertainty]; NL Food and Consumer Product Safety Authority [Risk assessment consumer products]; French Ministry of Environment [Toolkit for knowledge quality of endocrine disrupters’ risk assessments]; Climate Changes Spatial Planning Programme (NL) [Framing climate change risk & benefits]; Netherlands Environmental Assessment Agency [Uncertainty in environmental assessment]; National Institute of Public Health and the Environment (NL) [Uncertainty in health risk assessment of electromagnetic fields]; Rathenau Institute (NL); [Consensus and dissent in the climate debate]; EC-JRC [Post Normal Science];

Selection of 10 representative publications as senior author:

1. Bremer S, Wardekker A, Dessai S, Sobolowski S, Slaattelid R, & **van der Sluijs J** (2019). Toward a multi-faceted conception of co-production of climate services. *Climate Services* doi: 10.1016/j.cliser.2019.01.003. [1x cited ISI; 10x Google Scholar]
2. Maxim L & **van der Sluijs JP** (2018) Quality of epidemiological studies: Procedural rules for uncertain science for policy, a case study on bisphenol-A. *Environmental Science & Policy* 84: 80–87. [1x cited ISI; 2x Google Scholar]
3. **van der Sluijs JP** (2017) The NUSAP approach to uncertainty appraisal and communication. Chapter 29 p.301-310 in C.L. Spash (Ed.) *Routledge Handbook of Ecological Economics: Nature and Society*. Routledge: London. ISBN-13: 978-1138931510. [2x cited Google Scholar]
4. **van der Sluijs JP** & Vaage NS (2016) Pollinators and global food security: the need for holistic global stewardship. *Food Ethics* 1(1):75-91. [12x cited Google Scholar]



5. **van der Sluijs JP**, Amaral-Rogers V, Belzunces LP, Bijleveld van Lexmond MFIJ, Bonmatin J-M, Chagnon M, Downs CA, Furlan L, Gibbons DW, Giorio C, Girolami V, Goulson D, Kreutzweiser DP, Krupke C, Liess M, Long E, McField M, Mineau P, Mitchell EAD, Morrissey CA, Noome DA, Pisa L, Settele J, Simon-Delso N, Stark JD, Tapparo A, Van Dyck H, van Praagh J, Whitehorn PR, Wiemers M (2015) Conclusions of the Worldwide Integrated Assessment on the risks of neonicotinoids and fipronil to biodiversity and ecosystem functioning, *Environmental Science and Pollution Research* **22** (1) 148-154. doi:10.1007/s11356-014-3229-5 [104x cited ISI; 176x cited Google Scholar]
6. Chagnon M, Kreutzweiser D, Mitchell EAD, Morrissey CA, Noome DA, **van der Sluijs JP** (2015) Risks of large scale use of systemic insecticides to ecosystem functioning and services, *Environmental Science and Pollution Research* **22** (1) 119-134. [116x cited ISI **Highly Cited Paper**; 219x Google Scholar]
7. **van der Sluijs JP**, Delso NS, Goulson D, Maxim L, Bonmatin JM, Belzunces LP (2013) Neonicotinoids, bee disorders and the sustainability of pollinator services, *Current Opinion in Environmental Sustainability* **5**: 293-305. [172x cited ISI **Highly Cited Paper**; 309x cited Google Scholar]
8. van Dijk TC, van Staalduinen MA, **van der Sluijs JP** (2013) Macro-invertebrate decline in surface water polluted with imidacloprid. *PLOS ONE*, **8**(5): e62374. doi:10.1371/journal.pone.0062374 [143x cited ISI; 229x cited Google Scholar]
9. Petersen AC, Cath A, Hage M, Kunseler E, & **van der Sluijs JP**(2011) Post-Normal Science in Practice at the Netherlands Environmental Assessment Agency. *Science Technology & Human Values*, **36** (3) 362-388 [43x cited ISI; 106x Google Scholar]
10. Maxim L & **van der Sluijs JP** (2011) Quality in environmental science for policy: Assessing uncertainty as a component of policy analysis. *Environmental Science & Policy* **14**:482-492. [55x cited ISI; 107x Google Scholar]

Invited presentations to international conferences (selection of 10)

1. Critical appraisal of assumptions in model-based scientific assessment. Invited presentation at the INSIS Seminar Series: 'Model truths: modelling, evidence and truth in science and policy', 18 March 2019, **University of Oxford**, Oxford, UK.
2. Unravelling Controversy on Vexed Environmental Risks. Invited lecture at the Neyman seminar series, **University of California**, Department of Statistics, 26 September 2018, Berkeley, USA.
3. Invited contributor to the closed Scoping Workshop **Making sense of science under conditions of complexity and uncertainty** of the **EC's group of chief scientific advisors**, 4 June 2018, Brussels.
4. Climate adaptation decision making in uncertain environments: the need for new ways of interfacing science and governance. Invited plenary lecture at **4th Nordic Conference on Climate Change Adaptation**, 29-31 Aug 2016 (30 Aug 2016), Bergen, Norway.
5. Numbers running wild: the importance of craft skills with numbers. Invited lecture at **New currents in science: the challenge of quality**, 3-4 March 2016, Joint Research Centre, Ispra, Italy.
6. Uncertainty in climate risk assessment, invited **opening keynote** at Climate Change, Sustainability and an Ethics of an Open Future, **50th Societas Ethica Annual Conference**, 22 Aug 2013, Soesterberg.
7. Dealing with uncertainty in Integrated Assessment: The NUSAP approach. **Key note** at **ICA-RUS/CCRP-PJ2 International Congress 2013 Now and Future of Global Climate Risk Management**, 5 December 2013, Tokyo.
8. Climate change adaptation Strategies on dealing with uncertainties, invited lecture at international **CIRCLE 2 Lisbon conference on climate adaptation**, 11 June 2012, Lisbon.
9. Room for climate debate, **invited key note** at the **Climate Crossroads Seminar**, organised by University of Bergen, 24 October 2011, Ustaoset.
10. From “speaking truth to power” towards “working deliberatively within imperfections”, invited lecture at **international symposium Climate Science in a Democratic Society**, 4 May 2011, Hamburg.

Expert Witness in Parliaments & Courts

- Testified in **European Parliament** public hearing of **PEST committee** on EU regulation on the approval of plant protection products (2018)
- Short presentation on the risks of neonicotinoids for pollinators to the European Commission and the **European Parliament**, Brussels (2013).
- **Parliamentary Round Table** on Sustainable Plant Protection, Standing Committee on Economic Affairs, Dutch Parliament, The Hague, The Netherlands (2013).
- Testified as **expert witness** in several Dutch **court cases** on pesticides & bees (2010–present).
- Netherlands **Parliamentary Hearing** on the errors in the IPCC 4th Assessment Report (2010).
- Netherlands **Parliamentary Hearing** on pollinator decline and pesticides (2010).