

Curriculum Vitae



Personal information

Surname / First name

Professor Dr KUHLMANN, Stefan

Address

[Dept of Science, Technology, & Policy Studies \(STePS\)](#); University of Twente; School of Management and Governance; Institute of Innovation and Governance Studies (IGS); Capitool 15, P.O. Box 217, 7500 AE Enschede, The Netherlands

Telephone

+31 (53) 4892627

Fax

+31 (53) 4892159

E-mail

s.kuhlmann_AT_utwente.nl

Nationality(-ies)

German

Work experience

Dates

2006 - current

Occupation or position held

Full Professor of of Science, Technology, and Society; Chair of [Dept of Science, Technology, & Policy Studies \(STePS\)](#); University of Twente; School of Management and Governance; Director of programme "[Governance of Knowledge and Innovation](#)" of the [Twente Graduate School](#) Director of Strategic Research Orientation "Governance of Innovation, Technology, Higher Education and Research", [Institute of Innovation and Governance Studies \(IGS\)](#)

Main activities and responsibilities

Analysis of science, research and innovation systems and public policies, focusing on the dynamics of governance; technology assessments; science and technology foresight

Name and address of employer

[University of Twente](#)

Type of business or sector

University

Dates

1988 - 2006

Occupation or position held

Director (2005-06), Deputy Director(2004), Head of Department (1993-2004), Project Manager (1988-1992) at the [Fraunhofer Institute for Systems and Innovation Research \(ISI\)](#), Breslauer Strasse 48, 76139 Karlsruhe, Germany

Main activities and responsibilities

Public policy analysis, with a focus on the research and innovation system in Europe
Planning, prioritization and evaluation of research, technology and innovation policies (national, international, regional)
Technology assessments

Name and address of employer

[Fraunhofer Institute for Systems and Innovation Research ISI](#), Karlsruhe, Germany

Type of business or sector

public sector research institute (non-profit)

Dates

2001 - 2006

Occupation or position held

Professor of Innovation Policy Analysis

Main activities and responsibilities

Research and Teaching in the area of Innovation Policy Analysis

Name and address of employer

[Utrecht University, Copernicus Institute, Innovation Studies Group](#)

Type of business or sector University

Dates 1979-1988

Occupation or position held Research Fellow

Main activities and responsibilities Research into informatisation of the public administration and the service sector.

Name and address of employer [University of Kassel, Germany](#)

Type of business or sector University

Education and training

Dates 1998

Title of qualification awarded **Habilitation in political science**

Principal subjects/Occupational skills covered Thesis „[Politikmoderation in Verhandlungssystemen](#)“ and a lecture on „[Evolution von Staatlichkeit: Die Soziogenese des Staates \(N. Elias\) im Lichte neuerer staats-theoretischer Ansätze](#)“ at the Faculty of Social Sciences at the University Gesamthochschule Kassel

Name and type of organisation providing education and training Faculty of Social Sciences at the [University of Kassel](#), Germany

Dates 1986

Title of qualification awarded **PhD (Dr. rer.pol.)**

Principal subjects/Occupational skills covered Dissertation entitled „[Formalisierung und Technisierung des Handelns öffentlicher Verwaltungen - am Beispiel der Interaktion von Verwaltung und Bürger](#)“

Name and type of organisation providing education and training [University of Kassel](#), Germany

Dates 1978

Title of qualification awarded **diploma (Staatsexamen)** „Untersuchungen zur Bedeutung der coniuationses in karolingischen Quellen“

Principal subjects/Occupational skills covered political science and history; thesis „Untersuchungen zur Bedeutung der coniuationses in karolingischen Quellen“

Name and type of organisation providing education and training [University of Marburg](#)

Skills and competences

Research and Innovation Policy Analysis

- Co-editor of [The Theory and Practice of Innovation Policy. An International Research Handbook](#) (2010)
- Co-editor of [Changing Governance of Research and Technology Policy – the European Research Area](#) (2003) and
- Co-editor of [Learning from Science and Technology Policy Evaluation: Experiences from the United States and Europe](#) (2003)
- Organising and managing (international) many conferences, workshops, and networks, e.g. the [International Conference “TENTATIVE GOVERNANCE IN EMERGING SCIENCE AND TECHNOLOGY – Actor constellations, institutional arrangements & strategies”](#); October 28-29, 2010, University of Twente, The Netherlands
- President of the European Forum for Studies of Policies for Research and Innovation (Eu-SPRI Forum; <http://www.euspri-forum.eu>)
- Editor of [Research Policy](#)
- Editorial Advisory Board of [Science and Public Policy](#) (SPP)
- Associate Editor of the [International Journal of Foresight and Innovation Policy \(IJFIP\)](#),
- Editorial Advisory Board of [Evaluation - The International Journal of Theory, Research and Practice](#), The International Journal of Theory, Research and Practice, edited in association with The Tavistock Institute, London, UK
- Editorial Advisory Board of the Journal [Zeitschrift für Evaluation](#),
- Executive Committee European Network of Excellence PRIME (Policies for Research and Innovation on the Move towards the European Research Area) 2003-09;
- European Commission's High Level Expert Group on "Maximising the wider benefits of

- competitive basic research funding at European level" (Directorate General Research);
- European RTD Evaluation Network of the European Commission, Directorate General Research;
 - Netherlands Graduate School of Science, Technology and Modern Culture (WTMC);
 - Steering committee of the Six Countries Programme -The International Innovation Network;
 - Scientific Advisory Committee of the Helsinki Institute of Science and Technology Studies (HIST);
 - Evaluation Committee of the Coordination Bureau of the Dutch Sector Councils (2005)
 - Board of the German Evaluation Association (DeGEval), 1997 – 2001.

Management experience

- Research project planning and project management, including major international collaborative projects and networks (including European FP4, 4, 6 projects)
- Managing internal staff, associates and subcontractors including reporting and performance management
- Leadership and Management of a professional organization (Fraunhofer ISI; Institute of Innovation and Governance Studies, IGS, Univ. Twente)

Annexes **See attached list of publications**

List of publications S. Kuhlmann (selection 2005-2011)

- Edler, J. / Kuhlmann, S. (2011): **Integration of European Research Systems: A Multi-Dimensional Phenomenon**. In: D. Jansen (ed.): *Towards a European Research Area*, Baden-Baden (Nomos)
- Boon, W.; Moors, E.H.; Kuhlmann, S.; Smits, R.E. (2011): **Demand articulation in emerging technologies: intermediary user organisations as coproducers?** *Research Policy*, 40, 242-252
- Schoen, A.; Könnölä, T.; Warnke, P.; Barré, R.; Kuhlmann, S. (2010): **Tailoring Foresight to field specificities**. *Futures*, 2010 (in press, online 19 Nov 2010)
- Edler, J.; Kuhlmann, S.; Stegmaier, P.: **Fragmentierung und Koordination – Governance der Wissenschafts- und Innovationspolitik in Deutschland**. In: Seckelmann, M.; Lange, S.; Horstmann, T. (eds.): *Die Gemeinschaftsaufgaben von Bund und Ländern in der Forschungs-, Hochschul- und Bildungspolitik: Analysen, Erfahrungen, Zukunftsperspektiven*. Series „Interdisziplinäre Schriften zur Wissenschaftsforschung“, Baden-Baden (Nomos) 2010 (ISBN 978-3-8329-5926-5).
- Kuhlmann, S. (2010): **TA als Tanz: Zur Governance technologischer Innovation. Neue Aufgaben des Technology Assessment**. In: Aichholzer, G., Bora, A., Bröchler, S., Decker, M., Latzer, M. (Hg.): *Technology Governance. Der Beitrag der Technikfolgenabschätzung*, Berlin: edition sigma. (edition sigma; Reihe: Gesellschaft – Technik – Umwelt), 41-60
- Smits, R.; Kuhlmann, S.; Shapira, P. (eds.) (2010): **The Theory and Practice of Innovation Policy. An International Research Handbook**, Cheltenham, UK (Edward Elgar); ISBN 978 1 84542 848 8
- Kuhlmann, S.; Shapira, P.; Smits, R. (2010): **Introduction. A Systemic Perspective: The Innovation Policy Dance**. In: Smits, R.; Kuhlmann, S.; Shapira, P. (eds.): *The Theory and Practice of Innovation Policy. An International Research Handbook*, Cheltenham, UK (Edward Elgar), 1-22
- Smits, R.; Kuhlmann, S.; Teubal, M. (2010): **A System-Evolutionary Approach for Innovation Policy**. In: Smits, R.; Kuhlmann, S.; Shapira, P. (eds.): *The Theory and Practice of Innovation Policy. An International Research Handbook*, Cheltenham, UK (Edward Elgar), 417-448
- Shapira, P.; Smits, R.; Kuhlmann, S. (2010): **An Outlook on Innovation Policy, Theory and Practice**. In: Smits, R.; Kuhlmann, S.; Shapira, P. (eds.): *The Theory and Practice of Innovation Policy. An International Research Handbook*, Cheltenham, UK (Edward Elgar), 449-466
- Kuhlmann, S. (2010): **The Dutch style of problem orientation becomes academic mainstream'** (blog), <http://www.sustainabilitytransitions.com/en/blog/2010/05/19/the-dutch-style-of-problem-orientation-becomes-academic-mainstream>
- Georghiou, L.; Cassingena Harper, J.; Esterle, L.; Kuhlmann, S. (2009): **Gearing European R&D towards sustainability – "RD4SD" Exercise**. Luxembourg (Office for Official Publications of the European Communities), ISBN 978-92-79-12423-5
- Kuhlmann, S. (2009): **Die außeruniversitäre Forschung unter Reformdruck - Aufbrechen der Versäulung oder Entdifferenzierung?** In: Jansen, D. (ed.): *Neue Governance für die Forschung*, Baden-Baden (Nomos, „Interdisziplinäre Schriften zur Wissenschaftsforschung“), 75-81 (ISBN 978-3-8329-4221-2)
- Kuhlmann, S. (2009): **Evaluation von Forschungs- und Innovationspolitik in Deutschland; Stand und Perspektiven**. In: Thomas Widmer/Wolfgang Beywl/Carlo Fabian (eds.): *Evaluation. Ein systematisches Handbuch*, Wiesbaden (VS-Verlag) (ISBN 978-3-531-15741-2), 283-294
- Borrás, S. / Leon, G. / Bucar, M. / Edler, J. / Halme, K. / Havas, A. / Kuhlmann, S. / Molas Gallart, J. / Nauwelaers, C. / Romanainen, J. / Tsiouri, L. (2009): **The Open Method of Coordination in Research Policy: Assessment and Recommendations**. A Report from the Expert Group for the follow-up of the research aspects of the revised Lisbon strategy, Brussels (European Commission), http://ec.europa.eu/invest-in-research/pdf/download_en/eur_23874_texte_web.pdf
- Leon, G. / Borrás, S. / Bucar, M. / Kneucker, R. / Kuhlmann, S. / Nauwelaers, C. / Romanainen, J. (2008): **Lisbon Strategy: Between revolution and illusion - The governance challenge for knowledge policies**, Synthesis Report of the Lisbon Expert Group, Brussels (European Commission, EUR 23469), http://ec.europa.eu/invest-in-research/pdf/download_en/kin123469enc_web.pdf
- Kuhlmann, S. (2008): **Forschungs- und Innovationssysteme im internationalen Wettbewerb**. In: Schütte, G. (ed.): *Der Wettlauf um das Wissen. Zur Außenwissenschaftspolitik*, Berlin (Berlin University Press), 52-58
- Edler, J. / Kuhlmann, S. (2008): **Formative Evaluation in reflexiver Forschungspolitik**. In: Bergmann, M. / Schramm, (eds.): *Transdisziplinäre Forschung. Integrative Forschungsprozesse verstehen und bewerten*, Frankfurt (Campus), 203-231
- Edler, J. / Kuhlmann, S. (2008): **Co-ordination within fragmentation. Governance in knowledge policy in the German federal system**. In: *Science and Public Policy*, Vol. 35, Nr 4, May 2008, pp. 265-276
- Heinze, T.; Kuhlmann, S. (2008): **Across institutional boundaries? Research collaboration in German public sector nanoscience**, In: *Research Policy*, 37, 888–899
- Boon, W. P.C. / Moors, E.H.M. / Kuhlmann, S. / Smits, R.E.H.M. (2008): **Demand articulation in intermediary organisations: The case of orphan drugs in the Netherlands**. In: *Technological Forecasting and Social Change*, Vol. 75, 5, June 2008, 644-671
- Leon, G. / Bandini, V. / Borrás, S. / Bucar, M. / Kneucker, R. / Kuhlmann, S. / Nauwelaers, C. / Romanainen, J. (2007): **Interim Policy Options Paper of the Expert Group for the Follow-up of the Revised Lisbon Strategy - Governance issues and links with the**

- Lisbon strategy.** In: European Commission, DG Research (ed.): The Future of Science and Technology in Europe, Discussion papers, Brussels (EU Commission, mimeo), 23-30 ([download](#))
- Leon, G. / Romanainen, J. / Inizan, S. / Kneucker, R. / Kuhlmann, S. / Nauwelaers, C. / Timmerhuis, V. (2007): **Open research and innovation policies for Europe - A leap forward!** A Report of the Lisbon Expert Group, Brussels (European Commission) ([download](#))
- Kuhlmann, S. (2007): **Governance of innovation: Practice, policy, and theory as dancing partners.** Address delivered upon the acceptance of the Chair Foundations of Science, Technology and Society Faculty Management and Governance, University of Twente, Enschede/Netherlands (Univ. of Twente) ([download](#))
- Kuhlmann, S. (2007): **The European Research Area – an “Intra-European” task!** In: Forschungsbrief aus Brüssel, Brussels (Koordinierungsstelle EG der Wissenschaftsorganisationen) (http://www.kowi.de/Portaldata/2/Resources/publikationen/2007-Forschungsbrief_8_en.pdf)
- Heinze, Th. / Kuhlmann, S. (2007): **Analysis of heterogeneous collaboration in the German research system with a focus on nanotechnology.** In: Jansen, D. (ed.): New Forms of Governance in Research Organizations. From Disciplinary Theories towards Interfaces and Integration, Heidelberg, Springer, 2007, 190-209
- Jansen, D. / Kuhlmann, S. et al. (2007): **Rahmenbedingungen für eine leistungsfähige öffentlich finanzierte Forschung. Forschungspolitische Thesen der Forschergruppe „Governance der Forschung“**, Speyer (Deutsches Forschungsinstitut für öffentliche Verwaltung)
- Kuhlmann, S. (2007): **Book Review “A New Deal for an Effective European Research Policy - The Design and Impacts of the 7th Framework Programme”**, by Ugur Muldur et al.; Dordrecht: Springer, 2006, published in fteval Plattform Newsletter, Nr. 30, 2007 (www.fteval.at/images/menu/newsletter.php)
- Hekkert, M.P. / Suurs, R.A.A. / Negro, S. / Kuhlmann, S. / Smits, R.E.H.M. (2007): **Functions of Innovation Systems: A new approach for analysing technological change.** In: Technological Forecasting & Social Change, vol. 74, Issue 4, 413-432 [*Paper received the \$1000 Elsevier Prize for the outstanding paper published in TFSC during 2007*]
- Heinze, Th. / Shapira, Ph. / Senker, J. / Kuhlmann, S. (2007): **Identifying Creative Research Accomplishments: Methodology and Results for Nanotechnology and Human Genetics.** In: Scientometrics, Vol. 70, No. 1 (2007) 125–152
- Eidler, J. / Joly, P.-B. / Kuhlmann, S. / Nedeva, M. / Propp, T. / Rip, A. / Ruhland, S. / Thomas, D. (2007): **Understanding "Fora of Strategic Intelligence for Research and Innovation".** The PRIME Forum Research Project, Report on major results, Strategic Review, Manchester (Manchester Institute of Innovation Research) (http://www.prime-noe.org/Local/prime/dir/Projects/Forum%20Research/PRIME_FORUM_Strat_Review_results_final.pdf)
- Kuhlmann, S. (2007): **Governance of Research – Nine Comments on Arthur Benz.** In: Jansen, D. (ed.): New Forms of Governance in Research Organizations. From Disciplinary Theories towards Interfaces and Integration, Heidelberg, Springer, 2007, 23-25
- Kuhlmann, S. / Breitschopf, B. / Lo, V. (2006): **Forschung und Innovation – Aktuelle Herausforderungen an die Innovationspolitik und Innovationsförderung in Deutschland.** In: SÖSTRA (Hg.): 15 Jahre Institut SÖSTRA, Zwischenbilanz im Jahr 2005, Berlin (Mimeo), 81-95
- Kuhlmann, S. (2006): **Evaluation in der Forschungs- und Innovationspolitik.** In: Stockmann, Reinhard (Hg.): Evaluationsforschung, Münster 2006 (Waxmann), 3. Auflage, 287-307
- Kuhlmann, S. / Shapira, P. (2006): **How is Innovation Influenced by Science and Technology Policy Governance? Transatlantic Comparisons.** In: Hage, J. / Meeus, M. (eds.): Innovation, Science, and Institutional Change; A Research Handbook, Oxford (Oxford University Press) (ISBN-10: 0-19-929919-6), 232-255
- Eidler, J.; Kuhlmann, S., in co-operation with P. Larédo & L. Georghiou (2006): **Monitoring and analysing integrative dynamics in research and research policy in Europe (ERA-Dynamics). A Strategy Paper to induce PRIME action**, Karlsruhe/Paris (http://www.prime-noe.org/Local/prime/dir/General%20Presentation/2006%20Annual%20Conference/prime_position_paper_on_ERA.pdf)
- Harris, W.C.; Martin, B.; Bonaccorsi, A.; Cambon-Thomsen, A.; Flensted-Jensen, M.; Grammatikakis, G.; Herlitschka, S.; Kuhlmann, S.; Langer, J.M.; Nauwelaers, C.; Neuvo, Y.; Nordlund, M.; Nyiri, L.; Cannell, W.; Szendrák, E. (2005): **Frontier Research: The European Challenge**, High Level Expert Group Report, EUR 21619, Luxembourg (Office for Official Publications of the European Communities), ISBN 92-894-9209-0
- Kuhlmann, S. (2005): TV interview on the „**Wissenschaftsstandort Deutschland**“, Deutsche Welle -TV EUROPA: Projekt Zukunft, 24.03.2005; <http://www.dw-world.de/dw/article/0,,1528239,00.html>
- Eidler, J. / Kuhlmann, S. (2005): **Towards One System? The European Research Area Initiative, the Integration of Research Systems and the Changing Leeway of National Policies.** In: "Technikfolgenabschätzung - Theorie und Praxis", Nr.1, Vol. 14, 59-68 (<http://www.itas.fzk.de/tatup/051/edku05a.pdf>)
- Walz, R. / Kuhlmann, S. (2005): **Nachhaltigkeitsinnovationen in systemischer Perspektive.** In: Mappus, S. (ed.): Erde 2.0 – Technologische Innovationen als Chance für eine nachhaltige Entwicklung?, Berlin/Heidelberg (Springer), 278-310 (ISBN: 3-540-21327-9)