

CURRICULUM VITAE PROF. DR. E.J.M.M. (JOS) ARTS

Personal details

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Born: 8 April 1967 in Groningen, The Netherlands.

Employment history

Jos's working career consists of two important parallel strands – his academic work at the University of Groningen and his professional practice work at Rijkswaterstaat – which are closely intertwined making him a true Pracademic. His (parallel) careers within both are listed below.

University of Groningen (Rijksuniversiteit Groningen, RuG) Faculty of Spatial Sciences in Groningen:

- 2018 - - *Head of Department of Spatial Planning & Environment (full-time)*
Integral responsibility for HR, finances, strategy and operations of a department with: >80 persons (some 40 staff members: full-professors, associate professors, assistant-professors, lecturers, Post-Docs, other researchers; and >40 PhD researchers); some 500-600 students in the educational programmes (= BSc-programme Spatial Planning & Design (with over 130 students starting every year in a 3-yrs. programme), and 2 MSc-programmes for Environmental & Infrastructure Planning and for Society Sustainability & Planning (with some 100 students starting yearly in 1-yr. programmes); and a research turn-over of > ca.1.5mln.€/yr.
- 2016 - - *Professor Environmental & Infrastructure Planning (full-time)*
Leading a chair-group with also 1 part-time professor, 2 assistant-professors, post-docs, and 14PhDs. Overall manager research, advice and teaching activities collaboration programme Rijkswaterstaat-RUG 'Sustainable Networks' (>300k€/yr). Coordinator/lecturer courses MSc-programme Environmental & Infrastructure Planning (Dilemmas in Infrastructure Planning, Fieldwork Water Quality; and redeveloping these courses), supervising MSc-theses. Lecturing in BSc Spatial Planning & Design, BSc Human Geography & Planning.
- 2006 - 2016 - *Professor Environmental & Infrastructure Planning (part-time, 1 day/week)*
Leading a chair-group of a post-doc and 4-6 PhD researchers (both full-time and external PhDs). Lead manager research, advice and teaching activities collaboration programme 'Sustainable Networks' Rijkswaterstaat-University of Groningen (ca. 300k€/yr). Developing new courses (Infrastructure Planning, Environmental Planning, Dilemmas in Infrastructure Planning) and coordinator/lecturer of these courses. Supervising MSc-theses. Lecturing in BSc 'Technische Planologie', BSc 'Sociale Geografie & Planologie'.
- 2004 - 2006 - *Assistant Professor Environmental & Infrastructure Planning (part time, 1 day/week)*
Developing introductory courses (Environmental & Infrastructure Planning) for the newly introduced international Masters programme Environmental & Infrastructure Planning, guest lectures in BSc-programme 'Technische Planologie', supervision MSc theses.
- 1992 - 1997 - *PhD researcher (full-time)*
Research topic: "EIA Follow-up, On the Role of Ex Post Evaluation in Environmental Impact Assessment".
- 1991 - 1997 - *Lecturing and contract research (next to PhD research)*
In the field of: ex post evaluation, Environmental Impact Assessment (EIA), infrastructure and land use planning. Contract research and development of guidance for, e.g.: Ministries VROM, LNV, V&W/Rijkswaterstaat and various provincial governments.
- 1986 - 1990 - *Student-assistant (part-time)*
Statistics, and research project on redeveloping infrastructure planning.

Ministry of Infrastructure & Water Management

Rijkswaterstaat, Water, Transport & Environment Division

- 2016 - 2019 - *Principal Advisor Sustainable Area & Infrastructure Development (part-time)*
Principal for Rijkswaterstaat-wide policy and development (research and advice) about area-oriented planning and sustainable development. Initiator and scientific lead EU Horizon 2020 Vital Nodes programme and of CEDR Collaborative Planning programme.
- 2007 - 2016 - *Principal Advisor Environment (full-time)*
Principal for Rijkswaterstaat-wide policy and development for the knowledge field Environment (including e.g. sustainable development, environmental management, spatial and infrastructure planning): initiating and leading research and advisory projects; responsibility for knowledge management of environment field within Rijkswaterstaat; chair of various Communities of Practice (for e.g. noise, air quality, soil issues, spatial planning), HR-development 'advisory column' of environment field (> 200 RWS employees). Member of 'College van Topadviseurs'. Direct advice to Board Rijkswaterstaat and Ministry. Scientific lead national and international collaboration projects (research).
- 2005 - 2007 - *Head of Infrastructure & Environment Department (full-time)*
Integral responsibility for HR, finances, strategy and operations of a department with: >40 persons (programme managers, project managers, policy advisors); ca. 10mln€/yr turn-over in research and advisory budget. Department covering almost all environmental disciplines relevant to road development and management (Noise, Air, Soil, Landscape, Nature, Biodiversity, Sustainable Development, EIA); development of Rijkswaterstaat policies, regulations, guidance, and consultation (RWS and Ministry); research programmes nationally and internationally (bilateral, CEDR, COST-programmes). Under Jos' management, the department was successfully modernized during the large-scale reorganisation of RWS.
- 2000 - 2005 - *Programme manager of EIA/Transportation Centre (full-time)*
Responsibility for HR, finances, strategy and operations of the Centre of Expertise for EIA and infrastructure & spatial planning (with: >10 persons, project, policy advisors), initiator and lead investigator research and advisory projects on EIA and infrastructure & spatial planning. Overall responsibility knowledge management (guidance, training, consultation) for Rijkswaterstaat and the Ministry about EIA and planning.
- 1997 - 2001 - *Project manager consultation and research at EIA/Transportation Centre (full-time)*
Initiator and lead investigator consultation and research projects on EIA and Spatial & Infrastructure planning for Rijkswaterstaat and the Ministry.
- 2019 - *North West University (Potchefstroom, South-Africa)*
- *Extra-ordinary professor (part-time)*
Appointed as extra-ordinary professor, Unit Environmental Sciences & Management, Potchefstroom Campus, North West University, Potchefstroom, South-Africa. Joint research, publications and PhD-supervision.
- 2014 - 2016 - *Applied University Utrecht / Saxion Applied University*
- *Lector Infrastructure & Spatial Development (part time, 1d/w in 1st semester)*
'Professor applied sciences' for Master of Urban & Area Development (MUAD) of the Applied University Utrecht (Hogeschool Utrecht) and the Saxion Applied University (Saxion Hogeschool). Developing and coordinator/main lecturer of the MUAD-master course Infrastructure and Spatial Development (mostly part-time students working for >5 yrs. in professional practice), supervision of MSc-theses, joint (re)development of the MUAD-programme.

Education

- 2016 - Various courses and training at University of Groningen: Training Research and Development Interviews with employees' (RUG 2023); Training for professors 'Integrity in an Intercultural Space' (RUG, 2021); Training 'Active Bystander' (RUG, 2021); Course on academic integrity (RUG, 2019); Training 'Intercultural Awareness – in-house Planning Department' (2019); Training 'Onderwijs Accreditatie' (2019); Training 'Examen-commissies' (2017); Training 'Academische integriteit', (RUG, 2017).
- 1997 - 2015 Various courses and training at Rijkswaterstaat: 'Leertraject Topadviseurs', in-company Rijkswaterstaat (2013-2014); 'Kaderstellend adviseur' Twee of meer, in-company (2009); Leertraject Afdelingshoofden RWS' & Samhoud, in-company (2006-07); 'Coachend Leidinggeven', GTIP, in-company (2006); Training 'Moeilijke gesprekken' in-house i.h.k.v. reorganisatie Rijkswaterstaat (2004); 'Juridische aspecten / hoofd zaken bestuursrecht tracé/m.e.r.' ROI, in-company (2004); leertraject management 'Communicatie, Interactie en Managementvaardigheden' Van Harte & Lingsma (2002-2003); Training 'Kwaliteitszorg' Lloyds in-company (2000); 'Professionele Adviesgesprekken' ROI (1998); 'Project-management' Twijnstra Gudde, in-company (1997).
- 1992 - 1997 - PhD-researcher, Planning Department, Faculty of Spatial Sciences, University of Groningen Courses, training at University Groningen, PhD training programme Nethur, Planologie-netwerk Summer Schools of AESOP.
PhD-thesis published as: Arts, E.J.M.M. (1998), *EIA follow-up: On the Role of Ex Post Evaluation in Environmental Impact Assessment*, PhD thesis, Faculty of Spatial Sciences, University of Groningen, Geo Press, Groningen, 558pp
- 1985 - 1991 - Bachelor+Master Human Geography, Faculty of Spatial Sciences, University of Groningen Specialisation: Environmental and Infrastructure planning ('Technical Planning')
Thesis: Arts, E.J.M.M. (1991), *Een kwestie van niveau, milieu-effectrapportage in de ruimtelijke ordening*, ("Environmental Impact Assessment for spatial plans"), Vakgroep Stedelijke en Regionale Planning (Rijksuniversiteit Groningen) / Afdeling Milieu-effectrapportage (Ministerie VROM), Groningen.
- 1979 - 1985 - Athenaeum (grammar school) at the Fivelcollege in Delfzijl.

Positioning

The core of Jos' work revolves around the interaction between theory and practice, policy and implementation, and academia and society. At this he focuses on closing the knowledge cycle by connecting scientific and societal needs with development of inter- and transdisciplinary knowledge, -application, -dissemination and -evaluation to do valorisation and create impact in both professional practice and science. This is reflected in his research, his teaching as well as his advisory and networking activities, at which he seeks mutual enrichment between these activities. Content-wise he focuses on institutional analysis and design for integrated planning approaches for sustainable (infrastructure) networks. Important strands in his research and publications are: (Environmental) Impact Assessment, evaluation and follow-up, (area-oriented) infrastructure planning, public-private(-people) partnerships, mobility and transport policy.

Other

Language:

- Dutch excellent, English very good, German passable, French limited.

Personal profile:

- Energetic, enthusiastic go-getter; strategic and broadly oriented thinker; practical organizer; critical attitude with regard to quality, has an eye for the human side of things (HRM); customer-oriented and a team player; sensitive to both organization and context with a relevant vision on and outlook towards the future.

Hobbies:

- Reading, biking and music (listening and playing: traverse flute and piccolo).

RESEARCH PROJECTS

Jos has been involved in various research programmes and projects with a total value of some 38mln.€, of which for ca. 10.5 mln.€ he has been directly responsible as principle-investigator (PI), work-package leader or scientific leader. In addition, he has been involved in many advisory projects, projects for developing guidance documents, regulations etc. for the European platform of National Road Authorities (CEDR), national Dutch Government (Rijkswaterstaat, Ministry of Infrastructure & Water Management, Ministry of Interior Affairs & Kingdom Relations); various Provinces (Overijssel, Fryslân, Groningen, Drenthe, Noord-Brabant); Water Authorities; Municipalities (Groningen, Eemsdelta); and locally the OV-Bureau Groningen-Assen, Groningen Bereikbaar. *(for a full overview see list of publications, academic & professional activities)*

Examples Research projects:

1. Sustainable Networks (*Duurzame Netwerken*), strategic cooperation Rijkswaterstaat - RUG on education and research focusing on the sustainable planning of infrastructure networks and the implementation of road, water and energy infrastructure projects. Role lead-founder, programme manager. 2007 -
2. NWA-ORC “Floating Future” (Scaling up floating structures as climate-proof space-creating solution), supervisor PhD, 2023-2028
3. CEDR Scientific Advisory Board on Collaborative Planning of Spatial and Infrastructure Development, research and advice to CEDR, 15k€, 2023
4. Scientific Support on Collaborative Planning of Spatial and Infrastructure Development for CEDR Working Group, research and advice 15k€, 2023
5. PRONTO, Open Strategizing for Infrastructures in Transition, NWO-NGI (Next Generation Infrastructures), supervisor PhD, 2022-2026
6. Scale-Up, Scale up user-centric and data driven solutions for connected urban poles, EU Horizon Europe research project, member scientific board, 2021-2025
7. RuiKwaLab, Spatial Quality for Water Flood Protection Projects, self-organised ‘crowd-funding’ research programme of University of Groningen and Wageningen University, 12 Water Boards, STOWA, Deltares, Consultancies, CRA, co-initiator, supervisor/researcher, 2020-2024 www.rug.nl/research/ursi/ruikwalab/
8. SMiLES, Shared connectivity in Mobility and Logistics Enable Sustainability, NWO Sustainable Living Labs project, , wp leader, supervisor PhD and a junior researcher, 2019-2024 www.smiles-living-lab.nl
9. RITRI, Responsive Infrastructure Through Responsive Institutions, NWO-/NGI (Next Generation Infrastructures), supervisor PhD, 2018-2023
10. RECOMS, Resourceful Communities, EU-funded NTI Marie Curie research project (incl. RWS), supervisor PhD, 2018-2023
11. Collaborative Planning of Infrastructure and Spatial Development, Transnational research call 2017 CEDR, initiator call, scientific leader, member Program Executive Board (PEB), 2018-2021 www.cedr.eu
12. Evaluatie Complexe Projecten Fryslân (Evaluation complex infrastructure projects), evaluation research and study for the Province of Friesland (NL), role initiator, PI and supervisor Postdoc and PhD, 2017-2019
13. Vital Nodes, EU Horizon 2020 funded programme on the integration of urban nodes and multimodal transport corridors with a focus on freight and logistics, initiator of call with EC, role scientific leader / innovation manager, 2017-2019 www.vitalnodes.eu
14. Independent Scientific Advisor for Second Opinion to the Second Chamber of the Dutch Parliament for the Policy Assessment of National Budget Article 16 Rail and Public Transport, 2017-2018
15. Afstemming beleid en uitvoeringsinstrumentarium NOVI, POVI & MIRT (Coordination of policy and implementation instruments for spatial and infrastructure planning at national and provincial level in the Netherlands), research and advisory project for the Ministry of Interior Affairs & Kingdom relations (BZK), role initiator, PI, 2016-2018
16. Fluxnet, Freight & Logistics in a multimodal context, Transnational research programme of CEDR, initiator call and member Program Executive Board, (PEB), 2015-2018 www.cedr.eu
17. NUVit, Networking for Urban Vitality, a European research roadmap on the integration of multimodal transport infrastructure with spatial development that is initiated by Rijkswaterstaat (NL), Trafikverket (SE), Ministry of Spatial development (FL), Ministry of Transport NordRhein-Westphalia (DE), role lead founder, project manager, scientific leader. 2014- <http://nuvit.eu/>
18. TIILUP, Transport Infrastructure Integrated with Land Use Planning (TIILUP), a Roadmap Research Programme FORx4, prepared for FEHRL, Brussels, initiator, project leader, 2011-2013.
19. Advisory groups of the Netherlands Commission for Environmental Assessment (advices for various plans and projects such as Strategic Plan for Provinces Drenthe, Groningen and Gelderland), member advisory groups, 2008-

ACADEMIC AND PROFESSIONAL POSITIONS AND ROLES

Jos Arts has (had) various academic and profession positions which reflects how his transdisciplinary work is valued both within academia and professional practice. The valorisation and impact of his work is shown by being frequently asked as (independent) expert both for academia and for professional practice. A token of his academic relevance is being invited as expert for accreditation of educational or research programmes. Jos is frequently asked as peer reviewer for manuscripts for international academic journals, on EIA, Infrastructure, Transportation, Planning. *(for a full overview see list of publications, academic & professional activities)*

Examples Academic positions, advisory and reviewing roles:

- Member Appraisal Committee Dutch Research Council (NWO) Vidi SGW 2023, 2023 -
- Member Research School for Transport Infrastructure and Logistics (TRAIL), 2022 -
- Chair Board of Examiners, Faculty of Spatial Sciences, University of Groningen, 2017 -
- Appointed as extra-ordinary professor, Unit Environmental Sciences & Management, Potchefstroom Campus, North West University, Potchefstroom, South-Africa, 2019 -
- Member Accreditation Committee 4TechnicalUniversities Civil Engineering Bachelors/Masters (visitatiecommissie 4TU Civiele Techniek Opleidingen, NVAO), 2018
- Member editorial board international journal Impact Assessment & Project Appraisal (IAPA), 2015 -
- Member Accreditation Committee Lid 3TU masters Construction Management & Engineering (visitatiecommissie 3TU masters Construction Management & Engineering, QANU), 2011 – 2012
- Member Editorial Board Journal of Environmental Assessment Policy & Management (JEAPM), 2009 -
- Member Coordination Committee Professors in Planning (Professorenoverleg Planologie, POP), 2008 -
- Fellow Netherlands Graduate School of Urban and Regional Research (Nethur), 2008 -
- Fellow Urban and Regional Studies Institute, Rijksuniversiteit Groningen (URSI), 2007 –
- Member Publication Committee International Organisation for Impact Assessment (IAIA), 2007 – 2012
- ‘Individual Award for contribution to Impact Assessment’ 2006 for “global promotion of the concept of follow-up and ‘on the ground methods’ for IA in transport sector”, IAIA, 2006.
- Guest editor (together with A. Morrison-Saunders), special issue on impact assessment follow-up of *Impact Assessment and Project Appraisal Journal*, Vol. 23/3, September 2005.
- ‘Best Young Planner of the Year’, at annual conference of Dutch planners (Stichting Planologische Diskussiedagen), 1994.

Professional practice positions, advisory and reviewing roles:

- Member Ministerial Advisory Committee on Planning of Infrastructure Projects, for the Minister of Infrastructure & Water Management, 2023 -
- Board Member Hive.Mobility (Innovation centre for smart and green mobility), on behalf of the Board of the University of Groningen, 2022 -
- Scientific Advisor to the Working Group on “Collaborative Planning of Infrastructure and Spatial Development” of Council of European Road Directors (CEDR), 2022 -
- Member Scientific Advisory Board Topcorridors programme, Ministry of Infra & Water, 2018 -
- Independent Scientific Advisor for Second Opinion to the Second Chamber of the Dutch Parliament for the Policy Assessment of National Budget Article 16 Rail and Public Transport, 2017 - 2018
- Member Advisory Group for National Platform Stakeholder Management (‘Raad van Wijze Lieden Landelijk Platform Omgevingsmanagement’, POM), 2016 -
- Member Committee Historic Discipline Rijkswaterstaat (Commissie Historische Discipline RWS), 2016 -
- Chair organisation Committee EU Symposium “Networking for Urban Vitality – An integrated approach on Infrastructure and Spatial Planning”, 23 June 2016, Amsterdam, 2015 – 2016
- Member Scientific Council of the Estonian Environment Institute (EKKI), 2013 -
- Member Scientific Group Ministry of Infrastructure & Environment (Wetenschapskring I&M), 2013 - 2019
- Member Advisory group on Transport & Traffic for the preparation of the Dutch Environmental Law (Adviesgroep Verkeer & Vervoer, Omgevingswet) 2012 - 2016
- Expert in advisory groups of the Netherlands’ Commission for Environmental Assessment, 2008 -
- Member Organisation Committee 22nd Annual Conference of the International Association for Impact Assessment, 15-21 June 2002, The Hague, 2001 – 2002
- Member of the International Association for Impact Assessment (IAIA), 1999 -
- Member of the Dutch Society of Urbanists and Spatial Planners (BNSP), 1998 -
- Board member EIA section, Dutch Society of Environmental Professionals (VVM), 1997 - 2015
- Member of the Dutch Society of Environmental Professionals (VVM), 1997 -
- Member editorial board ‘KenMERken’, Netherlands’ Journal for EIA, 1997 - 2006
- Chief editor EIA Newsletter (‘MER-nieuws’), various articles on EIA, 1997 - 2005
- Member of the Netherlands Institute of Spatial Planning and Housing (NIROV), 1992 - 2011 (NB: in 2011 the NIROV stopped as a society and was merged into Platform 31).

ACADEMIC PUBLICATIONS

Jos Arts has published widely (>350 publications, of which 178 (inter)national, academic peer-reviewed journal articles, book(chapter)s, peer-reviewed conference papers) in the fields of infrastructure, environmental and spatial planning, evaluation and impact assessment in leading journals (Q1, Q2). According to Google Scholar 4,630 citations (H-index = 34) and according to Scopus citations 1,722 (H-index = 21).
(For a full overview see list of publications, academic & professional activities)

Academic journal publications (Int., NL, peer reviewed):

- Hilbers, A.M., F. Sijtsma, T. Busscher & J. Arts (2024), Size matters! Using Conjoint Analysis to uncover public preferences for design optimisation in road infrastructure EIAs, *Environmental Impact Assessment Review*, 104 (2024), 107349, pp.23 DOI: <https://doi.org/10.1016/j.eiar.2023.107349>
- Hilbers, A.M., F. Sijtsma, T. Busscher & J. Arts (2024), Limits to participation in spatial planning: which choices do residents make when their valued landscapes are under pressure? *Land Use Policy*, **138**, March 2024, 106997, pp.18. DOI: <https://doi.org/10.1016/j.landusepol.2023.106997>
- Baartmans, M., T. Busscher & J. Arts (2023), Open strategie? De overheid moet het echt zelf doen – Een analyse van Nederlandse infrastructuurprojecten in hun vroege, strategische fase, *Bestuurskunde*, **32**(4), 34-41. DOI: 10.5553/Bk/092733872023032004004
- Radulescu, M.A., W. Leendertse & J. Arts (2023), How can co-creation support capacity building for adaptive spatial planning? Exploring evidence from a co-creative planning process in the Netherlands, *Planning Theory and Practice*, pp.24. <https://doi.org/10.1080/14649357.2023.2288203>
- de Groot, B., W. Leendertse & J. Arts (2023), Collective learning in project-oriented organisations in infrastructure planning: interaction for adaptation, *Public Works Management & Policy*, pp.31. DOI: <https://doi.org/10.1177/1087724X231200816>.
- Veenma, K. W. Leendertse & J. Arts (2023), Room for uncertainty in infrastructure planning: How continuous certainification by decision makers results in more uncertainty, *Transactions of AESOP*, 7(2023), 36-44. DOI: 10.24306/TrAESOP.2023.01.004
- Arts, J. & H. de Vries (2023), Don't Shoot the Messenger – Reflections on streamlining and simplification of Environmental Assessment in the Netherlands, *Impact Assessment and Project Appraisal*, **41**(3), 238-243. DOI: <https://doi.org/10.1080/14615517.2023.2204286>
- Satheesh, S., S. Verweij, I. van Meerkerk, T. Busscher & J. Arts (2023), Enabling boundary spanners in public-private collaboration: The impact of organizational support on role stress, *Public Administration*, pp.20. DOI: <http://doi.org/10.1111/padm.12927>
- Rongen, T., S. Lenferink, T. Tillema & J. Arts (2023) The peripheral mobility hub as a multi-sided platform? Applying a Fuzzy Delphi to identify promising stakeholder interactions, *Technological Forecasting and Social Change*. DOI: <https://doi.org/10.1016/j.rtbm.2023.100953>
- Morrison-Saunders, A., J. Arts, J. Pope, A. Bond, & F. Retief (2023), Distilling Best Practice Principles for Public Participation in Impact Assessment Follow-Up, *Impact Assessment and Project Appraisal*, **41**(1), 48-58. DOI: <https://doi.org/10.1080/14615517.2022.2119527>.
- Satheesh, S., S. Verweij, I. van Meerkerk, T. Busscher & J. Arts (2022), The Impact of Boundary Spanning by Public Managers on Infrastructure Project Performance, *Public Performance and Management Review*, Vol 46(2), 418-444. DOI: <https://doi.org/10.1080/15309576.2022.2137212>
- Alberts, R.C., Retief, F.P., Arts, J., Cilliers, D.P. Roos, C. and Fischer, T (2022), EIA decision-making and administrative justice: The substance of just decisions. *Impact Assessment and Project Appraisal*, 40(4), 296-304. DOI: 10.1080/14615517.2022.2066445
- de Groot, B., W. Leendertse & J. Arts (2022), Co-evolution of organisations in infrastructure planning – The role of communities of practice as windows for collective learning across project-oriented organisations, *Administration & Society*, 54 (7), 1328-1356. DOI:10.1177/00953997221100379
- de Groot, B., W. Leendertse & J. Arts (2022), Learning across teams in project-oriented organisations – the role of programme management, *The Learning Organization*, 29(1), 6-20. DOI: <https://doi.org/10.1108/TLO-06-2020-0118>
- Lee, J., J. Arts & F. Vanclay (2022), Investigating institutional barriers and opportunities to an integrated approach for transport and spatial development: Mega urban transport development in a rapidly developing city, Seoul, *Journal of Urban Affairs*, pp.23. DOI: <https://doi.org/10.1080/07352166.2021.2021086>
- Neef, R., T. Busscher, S. Verweij & J. Arts (2022), Mapping institutional change: Analysing strategies for institutional design in collective infrastructure renewal, *European Policy Analysis*, 2022, 416-438. DOI: 10.1002/epa2.1161
- Neef, R., T. Busscher, S. Verweij & J. Arts (2022), How rule directions influence actors to achieve collective action: An analysis of Dutch collective infrastructure decision-making, *European Planning Studies*, pp.22. DOI: <https://doi.org/10.1080/09654313.2022.2085030>

- Oukes, C., W. Leendertse & J. Arts (2022), Enhancing the use of flood resilient spatial planning in Dutch water management – A study of barriers and opportunities in practice, *Planning Theory & Practice*, 23(2), 212-232. DOI: <https://doi.org/10.1080/14649357.2022.2034921>
- Rongen, T., T. Tillema, J. Arts, M.J. Alonso-González & J.J. Witte (2022), An analysis of the mobility hub concept in The Netherlands: historical lessons for its implementation, *Journal of Transport Geography*, Vol. 104, October 2022, 103419. DOI: <https://doi.org/10.1016/j.jtrangeo.2022.103419>
- Alberts, R., F. Retief, C. Roos, D. Cilliers, T. Fischer & J. Arts (2021), EIA decision-making and administrative justice: an empirical analysis, *Journal of Environmental Planning & Management*, 65(10), pp.1914-1931. DOI: <https://doi.org/10.1080/09640568.2021.1952857>
- van Geet, M., S. Lenferink, T. Busscher & J. Arts (2021), Finding the right tools for the job: instrument mixes for land use transport integration in the Netherlands, *Journal of Transport and Land Use*, 14(1), 125-149. DOI: <https://doi.org/10.5198/jtlu.2021.1710>
- van Geet, M., S. Verweij, T. Busscher & J. Arts (2021), The Importance of Policy Design Fit for Effectiveness: A Qualitative Comparative Analysis of Policy Integration in Regional Transport Planning, *Policy Sciences*, 54, 629-662. DOI: <https://doi.org/10.1007/s11077-021-09429-z>
- Hilbers, A.M., F. Sijtsma, T. Busscher & J. Arts (2021), Identifying Citizens' Place Values for Integrated Planning of Road Infrastructure Projects. *Tijdschrift voor Economische en Sociale Geografie*, 113(1), 35-56. DOI: <https://doi.org/10.1111/tesg.12487>
- Laeni, N., M. van den Brink & J. Arts (2021), Institutional Conditions for Inclusive, Flood Resilient Urban Deltas: A Comparative Institutional Analysis of Two International Resilience Programs in Southeast Asia. *Water*, 13(18), 2478. DOI: <https://doi.org/10.3390/w13182478>
- Lee, J., J. Arts & F. Vanclay (2021), Stakeholder views about Land Use and Transport Integration in a rapidly-growing megacity: Social outcomes and integrated planning issues in Seoul, *Sustainable Cities and Society*, 67, 102759. DOI: <https://doi.org/10.1016/j.scs.2021.102759>
- Morrison-Saunders, A., J. Arts, A. Bond, J. Pope & F. Retief (2021), Reflecting on, and revising, international best practice principles for EIA follow-up, *Environmental Impact Assessment Review*, 89 (2021), 106596, 10pp. DOI: <https://doi.org/10.1016/j.eiar.2021.106596>
- Spijkerboer, R., C. Zuidema, T. Busscher & J. Arts (2021), Unraveling institutional work patterns: Planning offshore wind farms in contested space. *Journal of Environmental Innovation and Societal Transitions*, 40: 249-261. DOI: <https://doi.org/10.1016/j.eist.2021.08.002>
- de Groot, B., W. Leendertse & J. Arts (2020), Building Adaptive Capacity through Learning in Project-oriented Organizations in Infrastructure Planning, *Urban Planning*, 5(1), 33-45. DOI: 10.17645/up.v5i1.2523
- Gulakov, I., F. Vanclay & J. Arts (2020), Modifying social impact assessment to enhance the effectiveness of company social investment strategies in contributing to local community development, *Impact Assessment and Project Appraisal*, 38(5), 382-296. DOI: <https://doi.org/10.1080/14615517.2020.1765302>
- Gulakov, I., F. Vanclay & J. Arts (2020), Challenges in meeting international standards in undertaking Social Impact Assessment in Russia, *Environmental Impact Assessment Review*, 83 (2020), 106410, 8pp. DOI: <https://doi.org/10.1016/j.eiar.2020.106410>
- Laeni, N., M. van den Brink, T. Busscher, H. Ovink and J. Arts (2020), Building Local Institutional Capacities for Urban Flood Adaptation: Lessons from the Water as Leverage program in Semarang, Indonesia, *Sustainability* 2020, 12, 10104. 2200, 22pp. DOI:10.3390/su122310104
- Laeni, N., E.M. Trell, M. van den Brink & J. Arts (2020), Going Dutch in the Mekong Delta: A framing perspective on water policy translation, *Journal of Environmental Policy and Planning*, 21(1), 39-57. DOI: 10.1080/1523908X.2020.1792858
- Radulescu, M., W. Leendertse & J. Arts (2020), Conditions for Co-Creation in Infrastructure Projects: Experiences from the Overdiepse Polder Project (The Netherlands), *Sustainability*, Special Issue Planning Resilient Community: Public Participation and Governance, 2020, 12(18), 7736. 21pp. DOI: <https://doi.org/10.3390/su12187736>
- Lee, J., J. Arts, F. Vanclay & J. Ward, (2020). Examining the Social Outcomes from Urban Transport Infrastructure: Long-Term Consequences of Spatial Changes and Varied Interests at Multiple Levels. *Sustainability* 2020, 12(15), 5907. DOI: <https://doi.org/10.3390/su12155907>
- Mottee, L., J. Arts, F. Vanclay, F. Miller & R. Howitt (2020), Metro infrastructure planning in Amsterdam: how are social issues managed in the absence of environmental and social impact assessment?, *Impact Assessment and Project Appraisal*, 38(4), 320-335. DOI: 10.1080/14615517.2020.1741918
- Mottee, L., J. Arts, F. Vanclay, F. Miller & R. Howitt (2020), Reflecting on How Social Impacts are Considered in Transport Infrastructure Project Planning: Looking beyond the Claimed Success of Sydney's South West Rail Link, *Urban Policy and Research*, 38(3), 185-198. DOI: 10.1080/08111146.2020.1730787
- Mottee, L., J. Arts, F. Vanclay, R. Howitt & F. Miller (2020), Limitations of Technical Approaches to Transport Planning Practice in Two Cases: Social Issues as a Critical Component of Urban Projects, *Planning Theory & Practice*, 21(1), 39-57. DOI: 10.1080/14649357.2019.1696980

- Neef, R., S. Verweij, T. Busscher & J. Arts (2020), A Common Ground? Constructing and Exploring Scenarios for Infrastructure Network-of-Networks, *Futures*, 124, 102649, 22pp. DOI: <https://doi.org/10.1016/j.futures.2020.102649>
- Spijkerboer, R., C. Zuidema, T. Busscher & J. Arts (2020). The performance of marine spatial planning in coordinating offshore wind energy with other sea-uses: the case of the Dutch North Sea, *Marine Policy*, 115 (2020), [103860]. DOI: <https://doi.org/10.1016/j.marpol.2020.103860>
- Busscher, T., C. Zuidema, T. Tillema & J. Arts (2019), Learning in the face of change: The Dutch National Collaboration Programme on Air Quality, *Environment & Planning C: Politics and Space*, 37(5), 929-945. DOI: <https://doi.org/10.1177/0263774X18804227>
- van Geet, M.T., S. Lenferink, J. Arts & Leendertse, W. (2019), Understanding the ongoing struggle for land use and transport integration: Institutional incongruence in the Dutch national planning process, *Transport Policy*, Vol. 73, pp. 84–100. DOI: <https://doi.org/10.1016/j.tranpol.2018.11.001>
- Hilbers, A.M., F. Sijtsma, T. Busscher & J. Arts (2019), Understanding Added Value in Integrated Transport Planning: Exploring the Framework of Intelligence, Design and Choice, *Journal of Environmental Assessment Policy and Management*, 21(3), 27pp. DOI: 10.1142/S146433321950011 X
- Laeni, N., M. van den Brink & J. Arts (2019), Is Bangkok becoming more resilient to flooding? A framing analysis of Bangkok's flood resilience policy combining insights from both insiders and outsiders, *Cities*, 90, 157-167. DOI: <https://doi.org/10.1016/j.cities.2019.02.002>
- Spijkerboer, R.C., C. Zuidema, T. Busscher & J. Arts (2019), Institutional harmonization for spatial integration of renewable energy: Developing an analytical approach. *Journal of Cleaner Production*, 209, 1593-1603. DOI: 10.1016/j.jclepro.2018.11.008
- Hamersma, M., J. Arts, E. Heinen & T. Tillema (2018), “Wonen nabij Snelwegen: Lessen voor snelwegenplanning op basis van een bewonersperspectief”, *Vervoerswetenschap*, 54/1, pp.1-17.
- Heeres, N., T. Tillema & J. Arts (2018), The changing role of decision support instruments in integrated infrastructure planning: Lessons from the Sustainability Check, *Journal of Transportation Planning and Technology*, 41(7), 679-705. DOI: <https://doi.org/10.1080/03081060.2018.1488933>
- Hijdra, A., J. Woltjer & J. Arts (2018), Dutch and American waterway development: identification and classification of tools for value creation, *International Planning Studies*, 23(3), 278-291. DOI: <https://doi.org/10.1080/13563475.2018.1439732>
- Willems, J.J., T. Busscher, J. Woltjer & J. Arts (2018), Co-creating societal value through renewing waterway networks: a transaction-cost perspective, *Journal of Transport Geography*, Vol 69, 26-35. DOI: 10.1016/j.jtrangeo.2018.04.011
- Willems, J.J., T. Busscher, J. Woltjer & J. Arts (2018), Planning for waterway renewal: balancing between institutional reproduction and institutional change, *Planning Theory & Practice*, 19(5), 678-697. DOI: [10.1080/14649357.2018.1542504](https://doi.org/10.1080/14649357.2018.1542504)
- Hamersma, M., Heinen, E., Tillema, T. & Arts, J. (2017), Understanding a resident's satisfaction with involvement in a highway planning process, *Journal of Environmental Planning and Management*, 61(7), 1224-1249. DOI: [10.1080/09640568.2017.1339592](https://doi.org/10.1080/09640568.2017.1339592) (open access)
- Hamersma, M., E. Heinen, T. Tillema & J. Arts (2017), New highway development in the Netherlands: A residents' perspective, *Transportation Research. Part D: Transport and Environment*, 51, 326-339. DOI: 10.1016/j.trd.2017.01.006
- Hamersma, M., Heinen, E., Tillema, T. & Arts, J. (2017), The development of highway nuisance perception: Experiences of residents along the Southern Ring Road in Groningen, the Netherlands, *Land Use Policy*, 61(7), 553-563. DOI: 10.1016/j.landusepol.2016.12.008
- Heeres, N., T. van Dijk, J. Arts & T. Tillema (2017), Coping with functional interrelatedness and stakeholder fragmentation in planning at the infrastructure-land use interface: The potential merits of a design approach, *Journal of Transport and Land Use*, 10(1), 409-435. DOI: <http://dx.doi.org/10.5198/jtlu.2016.833>
- Lenferink, S., Leendertse, W., & Arts, J. (2017). “Waarde(n) van PPS: een verkenning naar de afstemming van maatschappelijke en commerciële waarde in infrastructuur- en gebiedsontwikkeling”. *Rooilijn*, 50(2), 126-133
- Willems, J.J., T. Busscher, M.A. van den Brink & J. Arts (2017), Anticipating water infrastructure renewal: a framing perspective on organizational learning in public agencies, *Environment & Planning C - Politics and Space*, 36(6), 1088-1108. DOI: <https://doi.org/10.1177/2399654417733993>
- Hamersma, M., E. Heinen, T. Tillema & J. Arts (2016), Residents' responses to proposed Highway projects: exploring the role of governmental information provision, *Transport Policy*, 49, 56-67. DOI: 10.1016/j.tranpol.2016.03.011
- Hanna, P., F. Vanclay, E.J. Langdon & J. Arts (2016), The importance of cultural aspects in project development: The case of the Lajedo hydroelectric dam and the Xerente people, *Impact Assessment and Project Appraisal* 34(4), 306-318. DOI: 10.1080/14615517.2016.1184501

- Hanna, P., F. Vanclay, E.J. Langdon & J. Arts (2016), Conceptualizing social protest and the significance of protest actions to large projects, *The Extractive Industries and Society*, 3(1), 217-239. DOI: 10.1016/j.exis.2015.10.006
- Heeres, N., T. Tillema & J. Arts (2016), Dealing with interrelatedness and fragmentation in road infrastructure planning: an analysis of integrated approaches throughout the planning process in the Netherlands, *Planning Theory & Practice*, 17(3), 421-443. DOI: 10.1080/14649357.2016.1193888
- Heeres, N., S. Lenferink, T. Tillema & J. Arts (2016), Beyond financial value capturing? Interactions between value capturing and cooperation at the interface of road infrastructure and land use planning, *Town Planning Review*, 87(2), 179-204. DOI: 10.3828/tpr.2016.14
- Leendertse, W., J. Arts, T. Busscher & F. Verhees (2016), Van project naar opgave – Samenwerking als motor van de planning van infrastructuur en ruimte, *Bestuurskunde*, 25(4), pp.70-81. DOI: 10.55553/Bk/09273387201625004008
- Busscher, T., T. Tillema & J. Arts (2015), Improving project delivery: programmes as the silver bullet?, *European Journal of Transport and Infrastructure Research*, 15(2), 163-183. DOI: <https://doi.org/10.18757/ejtir.2015.15.2.3067>
- Busscher, T., T. Tillema & J. Arts (2015), In search of sustainable infrastructure planning; building on historical policy shifts, *Transport Policy*, 42, 42-51. DOI: 10.1016/j.tranpol.2015.04.007
- Hamersma, M., E. Heinen, T. Tillema & J. Arts (2015), Residential moving intentions at highway locations: The trade-off between nuisances and accessibility in the Netherlands, *Transportation Research D: Transport and Environment* (35), 130-141. DOI: <http://dx.doi.org/10.1016/j.trd.2014.11.017>
- Hijdra, A., J. Woltjer & J. Arts (2015), Troubled waters: an institutional analysis of the ageing Dutch and American waterway infrastructure, *Transport Policy*, 42, 64-74. DOI: <http://dx.doi.org/10.1016/j.tranpol.2015.05.004>
- Runhaar, H. & J. Arts (2015), Statement: Getting EA research out of the comfort zone: critical reflections from the Netherlands, *Journal of Environmental Assessment and Policy Management*, 17(1), 8pp. DOI: 10.1142/S1464333215500118
- Verhees, F., A. van Marrewijk, W. Leendertse & J. Arts (2015), Publiek en privaat: een spannende relatie in de bouw- en infraketen, *Beleidsonderzoek Online*, Oktober 2015 (www.beleidsonderzoek.online) DOI: 10.5553/BO/221335502015000020001
- Busscher, T., C. Zuidema, T. Tillema & J. Arts (2014), Bridging Gaps: Governing conflicts between transport and environmental policies, *Environment and Planning A*, 26(3), 666-681. DOI: 10.1068/a4641
- Hamersma, M., T. Tillema, J. Sussman, & J. Arts (2014), Living close to highways: The impact of perceived highway externalities on (changes in) residential satisfaction, *Transportation Research A: Policy and Practice*, 59, 106-121. DOI: 10.1016/j.tra.2013.11.004
- Hannah, Ph., F. Vanclay, E.J. Langdon & J. Arts (2014), Improving the effectiveness of impact assessment pertaining to Indigenous peoples in the Brazilian environmental licensing procedure, *Environmental Impact Assessment Review*, 46, 58-67. DOI: 10.1016/j.eiar.2014.01.005
- Hijdra, A., J. Woltjer & J. Arts (2014), Value creation in capital waterway projects; Application of a transaction cost and benefit framework for the Miami River and the New Orleans Inner Harbor Navigation Canal, *Land Use Policy*, 38, 91-103. DOI: 10.1016/j.landusepol.2013.10.024
- Hijdra, A., J. Arts & J. Woltjer (2014), Do we need to rethink our waterways? Values of ageing waterways in current and future society, *Water Resources Management*, 28(9), 2599-2613. DOI: <https://doi.org/10.1007/s11269-014-0629-8>
- Lenferink, S., W. Leendertse, J. Arts & T. Tillema (2014), Public-private plan development: Can early private involvement strengthen infrastructure planning?, *European Planning Studies*, 22(2), 323-344. DOI: 10.1080/09654313.2012.741569.
- Lenferink, S., T. Tillema & J. Arts (2014), Life-cycle driven planning of infrastructure: Public and private experiences with more integrated approaches for managing project complexity, *European Journal of Transport and Infrastructure Research*, 14(2), 82-101. DOI: <https://doi.org/10.18757/ejtir.2014.14.2.3019>
- Busscher, T., T. Tillema & J. Arts (2013), Revisiting a programmatic planning approach: managing linkages between transport and land use planning, *Planning Theory and Practice*, 14(4), 492-508. DOI: 10.1080/14649357.2013.845685
- Lenferink, S., T. Tillema & J. Arts (2013), Public-private interaction in contracting: Governance strategies in the competitive dialogue of Dutch infrastructure projects, *Public Administration*, 91(4), 928-946. DOI: 10.1111/padm.12033
- Lenferink, S., T. Tillema & J. Arts (2013), Towards sustainable infrastructure development through integrated contracts: Experiences with inclusiveness in Dutch infrastructure projects, *International Journal of Project Management*, 31(4), 615-627. DOI: 10.1016/j.ijproman.2012.09.014
- Runhaar, H., F. van Laerhoven, P. Driessen & J. Arts (2013), Environmental Assessment in the Netherlands: effectively governing environmental protection? A discourse analysis, *Environmental Impact Assessment Review*, 39, 13-25. DOI: 10.1016/j.eiar.2012.05.003

- Arts, J., A. van Looij, O. Wassenaar & M. Nagelkerke (2012), Vervlechting van publiekrechtelijke en aanbestedingsprocedures: een inleiding en praktisch denkmodel, *Tijdschrift voor Aanbestedingsrecht*, Vol.9(6), pp. 620-639.
- Arts, J., H. Runhaar, T.B. Fischer, U. Jha-Thakur, F. van Laerhoven, P. Driessen & V. Onyango (2012), The Effectiveness of EIA as an Instrument for Environmental Governance – A Comparison of 25 Years of EIA Practice in The Netherlands and the UK, *Journal of Environmental Assessment and Policy Management*, 14(4), 40 pp. DOI: 10.1142/S1464333212500251
- Heeres, N., T. Tillema & J. Arts (2012), Integration in Dutch planning of motorways: From "line" towards "area-oriented" approaches, *Transport Policy*, 24, 148-158. DOI: <https://doi.org/10.1016/j.tranpol.2012.08.002>
- Lenferink, S., J. Arts, T. Tillema, M. van Valkenburg & R. Nijsten (2012), Early contractor involvement in Dutch infrastructure: initial experiences with parallel procedures for planning and procurement, *Journal of Public Procurement*, 12(1), 1-42. DOI: <https://doi.org/10.1108/JOPP-12-01-2012-B001>
- Tillema, T., M. Hamersma, J.M. Sussman & J. Arts (2012), Extending the scope of highway planning: accessibility, negative externalities and the residential context, *Transport Reviews*, 32(2), 745-759. DOI: 10.1080/01441647.2012.724726
- Arts, J. & F. van Lamoen (2005), Before EIA; defining the scope of infrastructure projects in the Netherlands, *Journal of Environmental Assessment Policy and Management*, 7(1), 1-30. DOI: <https://www.jstor.org/stable/enviassepolimana.7.1.51>
- Morrison-Saunders, A. & J. Arts (2005), Learning from experience: emerging trends in environmental impact assessment follow-up, *Impact Assessment and Project Appraisal*, 23(3), 170-174. DOI: <https://doi.org/10.3152/147154605781765580>
- Marshall, R., J. Arts & A. Morrison-Saunders (2005), International Principles for Best Practice EIA Follow-up, *Impact Assessment and Project Appraisal*, 23(3), 175-181. DOI: <https://doi.org/10.3152/147154605781765490>
- Partidario, M.R. & J. Arts (2005), Exploring the concept of strategic environmental assessment follow-up, *Impact Assessment and Project Appraisal*, 23(3), 247-257. DOI: <https://doi.org/10.3152/147154605781765481>
- Morrison-Saunders, A., J. Baker & J. Arts (2003), Lessons from practice: Towards successful follow-up, *Impact Assessment and Project Appraisal*, 21(1), 43-56. DOI: <https://doi.org/10.3152/147154603781766527>
- Morrison-Saunders, A., J. Arts, J. Baker & P. Caldwell (2001), Roles and stakes in environmental impact assessment follow-up, *Impact Assessment and Project Appraisal*, 19(4), 289-296. DOI: [10.3152/147154601781766871](https://doi.org/10.3152/147154601781766871)
- Arts, J., P. Caldwell & A. Morrison-Saunders (2001), EIA Follow-up: Good practice and future directions: Findings from a workshop at the IAIA 2000 Conference, *Impact Assessment and Project Appraisal*, 19(3), 175-185. DOI: [10.3152/147154601781767014](https://doi.org/10.3152/147154601781767014)
- Arts, J. & L. Stoop (1996), Landinrichting met effect I: een theoretische verkenning van ex post evaluatie van landinrichtingsprojecten, *Beleidsanalyse*, Vol.25(1), pp. 4-10.
- Arts, J., J. Dijkstra & L. Stoop (1996), Landinrichting met effect II: de praktijk getoetst, *Beleidsanalyse*, Vol.25(1), pp. 11-17.
- Niekerk, F. & J. Arts (1996), Impact Assessments in Dutch Infrastructure Planning: Towards better timing and integration, *Project Appraisal*, 11(4), pp.237-246. DOI: <https://doi.org/10.1080/02688867.1996.9727549>

Academic book(chapter)s (Int., NL):

- Arts, J. & T. Fischer (forthcoming), Tiering in Impact Assessment, in: T. Fischer, S. Bice, U. Jha Thakur, M. Montañó, B. Noble & F. Retief (eds.): *Impact Assessment Encyclopedia*, Edward Elgar, Cheltenham.
- Noviangsih, I., S., Verweij, J. Arts, J. Woltjer, D. Hudalah & V. Pradono, Equality in Sustainable Regional Development – An Exploration of the Potential of Geographical Bundling in Transport Infrastructure Public-Private Partnerships in Indonesia, in: R. Holzhaecker, B. Satiawan, D.R. Hizbaron, K.N. Irvine, C. Prell & K. Hubacek (ed.): *Transformative Futures of Cities: Sustainable Development Climate in Southeast Asia*, Brill, Leiden. [accepted for publication August 2023]
- Morrison-Saunders, A., J. Arts & U. Jha Thakur (forthcoming), Impact Assessment Follow-up, in: T. Fischer, S. Bice, U. Jha Thakur, M. Montañó, B. Noble & F. Retief (eds.): *Impact Assessment Encyclopedia*, Edward Elgar, Cheltenham. [accepted for publication June 2022].
- Morrison-Saunders, A., J. Arts (2024), Effectively Engaging the Public Impact Assessment Follow-up, in: T. Burdett & J. Sinclair (eds.): *Handbook on Public Participation in Impact Assessment*, Edward Elgar, Cheltenham [Chapter 16, publication June 2024].
- Leendertse, W. & J. Arts (2022), In Transitie naar een circulaire economie: op zoek naar een balans tussen initiatieven en sturing, in: G. Blauwhof, S. Kerkhofs, W. Veldman & W. Verbaan (eds.) *Transitieagenda voor een Circulaire Economie, Manifest voor een Regeneratie*, Uitgeverij Blauwdruk, Wageningen, pp.130-138.

- Rădulescu M.A., W. Leendertse & J. Arts J. (2022) Living Labs: A Creative and Collaborative Planning Approach. In: Franklin A. (eds) Co-Creativity and Engaged Scholarship. Palgrave Macmillan, Cham, 457-491. https://doi.org/10.1007/978-3-030-84248-2_15
- Arts, J., W. Leendertse & T. Tillema (2021), Road infrastructure: planning, impact and management, in: Vickerman, R. (ed.), *International Encyclopedia of Transportation*. Vol. 5, pp. 360-372. Elsevier, UK
- <http://dx.doi.org/10.1016/B978-0-08-102671-7.10448-8>
- Leendertse, W. & J. Arts (2020), *Public-Private Interaction in Infrastructure Networks – Towards valuable market involvement in the planning and management of public infrastructure networks*, InPlanning, Groningen, 184pp. DOI: 10.17418/B.2020.9789036794817
- Arts, J., R. Filarski, H. Jeekel & B. Toussaint (eds.) (2016), *Builders and Planners – A history of land-use and infrastructure planning in the Netherlands*, with contributions by: J. Arts, G. De Block, A. van der Burg, N. Disco, R. Filarski, H. Jeekel, D. de Kool, B. De Meulder, G. Mom, O. van de Riet, B. Toussaint & F. Veraart, Publisher: Eburon, Delft, 512pp.
- Hanna, P., F. Vanclay, E.J. Langdon & J. Arts (2016), “The communication and management of social risk and their relevance to corporate-community relationships”, in: Ch. Candlin, J. Crichton & A. Firkins (eds.): *Communicating Risk*, Palgrave Macmillan, Basingstoke, pp. 171-188.
- Leendertse, W., F. Verhees & J. Arts (2016), “Publieke en Private Samenwerking als Verbinder van Infrastructuur en Ruimte – Een Verkenning”, in: W. Salet, R. Vermeulen & R. van der Woude (eds.), *Gaan waar de actie is – Ruimtelijke onderzoeksinstituten adviseren over nationale ruimtelijke planning*, InPlanning, Groningen, pp. 160-179. DOI: 10.17418/B.2016.9789491937293 (NB: reprint Salet et al. 2015)
- Verhees, F & J. Arts (2016), “Public Private Partnerships – Pursuing adaptive qualities in spatial projects”, in: G. de Roo & L. Boelens (eds.), *Spatial Planning in a Complex Unpredictable World of Change – Towards a proactive co-evolutionary type of planning within the Eurodelta*, InPlanning, Groningen, pp. 211-225. DOI: 10.17418/B.2016.9789491937279.9
- Leendertse, W., F. Verhees & J. Arts (2015), “Publieke en Private Samenwerking als Verbinder van Infrastructuur en Ruimte – Een Verkenning”, in: W. Salet, R. Vermeulen & R. van der Wouden (eds.), *Toevoegen van Ruimtelijke Kwaliteit - Ruimtelijke Kennis voor het Jaar van de Ruimte*, University of Amsterdam, Amsterdam, pp. 160-179.
- Heeres, N., T. Tillema & J. Arts (2015), “Overcoming Lock-in: instruments for value creation and assessment early in the infrastructure planning process”, in: J. Woltjer, E. Alexander, A. Hull & M. Ruth (eds.), *Place-Based Evaluation for Integrated Land-Use Management*, Ashgate. Aldershot, pp. 225-248.
- Arts, J. (2014), “Introduction to SEA in the Netherlands and Research into SEA effectiveness in the Netherlands”, in: H. Xu & B. Schijf (eds.) “*A comparison of SEA practice in China and the Netherlands*”, Appraisal Centre for Environment & Engineering, Ministry of Environmental Protection of China / Netherlands Commission for Environmental Assessment, Beijing/Utrecht, pp. 82-107.
- Runhaar, H. & J. Arts (2013), “Chapter 3: Making Impact Assessment More Influential: Lessons from the Netherlands”, in D.P. Lawrence (ed.): *Impact Assessment – Practical Solutions to Recurrent Problems and Contemporary Challenges*, John Wiley & Sons, Hoboken, NJ, pp. 54-55.
- Lenferink, S., J. Arts & T. Tillema (2011), “Ongoing public-private interaction in infrastructure planning: an evaluation of Dutch competitive dialogue projects”, in: K.V. Thai (ed.), *Towards new horizons in public procurement*, PrAcademics Press, Boca Raton, FL, pp. 236-272.
- Arts, J., P. Tomlinson & H. Voogd (2011), “Planning in tiers: tiering as a way of linking EIA and SEA”, in: B. Sadler, R. Aschemann, J. Dusik, T.B. Fischer, M. Partidario & R. Verheem (eds.), *Handbook of Strategic Environmental Assessment*, Earthscan, London, pp. 415-433.
- Cherp, A., M.R. Partidario & J. Arts (2011), “From formulation to implementation: strengthening SEA through follow-up”, in: B. Sadler, R. Aschemann, J. Dusik, T.B. Fischer, M. Partidario & R. Verheem (eds.), *Handbook of Strategic Environmental Assessment*, Earthscan, London, pp. 515-535.
- Arts, J. & F. Niekerk (2010), “Impact assessment and management of infrastructure projects: from risk source to risk control”, in: A. Hull, E. Alexander, A. Khakee & J. Woltjer (eds.), *Evaluation for Participation: Fitting Evaluation to Planning Contexts and Sustainability in Planning*, Routledge, London, pp. 149-171.
- Arts, J. (2008), “The importance of EA Follow-up”, in: T. Fischer, R. Aschemann & I. Belcakova (eds.) *Handbook for Environmental assessment Master Programmes*, PENTA Erasmus Mundus Programme of the European Union, Bratislava University Press, Bratislava, pp. 287-311.
- Arts, J. (2007), *Nieuwe Wegen? Planningsbenaderingen voor duurzame infrastructuur (New Roads? Planning approaches for sustainable infrastructure)*, inaugural speech d.d. 6 November 2007, University of Groningen, Groningen, 60pp.
- Koeleman, M., J. Arts, M. Roorda-Knape & J.W. Erisman (2005), “Environment and infrastructure, towards a new perspective in impact assessment”, in: H. van Bohemen (ed.), *Ecological Engineering: Bridging the Gap between Ecology and Civil Engineering*, Aeneas, Boxtel, pp. 383-391.
- Morrison-Saunders, A. & J. Arts (eds.) (2006), *Assessing Impact, Handbook of EIA and SEA Follow-up*, Earthscan, London, 338pp. (NB: revised paperback edition of 2004 book)

- Arts, J. (2004), “Environmental Impact Assessment for Transport Infrastructure Projects”, in: G. Linden & H. Voogd (eds.), *Environmental and Infrastructure Planning*, GeoPress, Groningen, pp. 231-276.
- Morrison-Saunders, A. & J. Arts (eds.) (2004), *Assessing Impact, Handbook of EIA and SEA Follow-up*, Earthscan, London, 338pp. (2nd edition, 2006)
- Arts, J., J. Scholten & Y. Kroese (2003), *MER over een andere boeg*, with contributions by C. Baanvinger and P. Jooren, Prepared for the V&W MER-dag, 2 september 2003, Rijkswaterstaat, Delft (earlier published as English edition for the IAIA2002 conference).
- Arts, J., J. Scholten & Y. Kroese (2002), *Fingertip EIA: flood control going Dutch*, with contributions by C. Baanvinger and P. Jooren, Prepared for the 22nd Annual Meeting of International Association of Impact Assessment, 15-22 June 2002, The Hague, The Netherlands.
- Arts, J. (2001), “EIA follow-up: Different Approaches to Ex Post Evaluation in Environmental Impact Assessment”, in: H. Voogd (ed.), *Recent developments in evaluation in spatial, infrastructure and environmental planning*, Geo Press, Groningen, pp. 37-66.
- Arts, J. & S. Nootboom (1999), “Environmental Impact Assessment Monitoring and Auditing”, in: J. Petts (ed.), *Handbook of EIA*, Vol. 1, Blackwell Science, Oxford, pp. 229-251.
- Arts, E.J.M.M. (Jos) (1998), *EIA follow-up: On the Role of Ex Post Evaluation in Environmental Impact Assessment*, PhD thesis, Faculty of Spatial Sciences, University of Groningen, Published with Geo Press, Groningen, 558pp.
- Arts, J. (1996), “Ex Post Evaluation of EIA Projects”, in: F. Lo Piccolo & G. Caudo (eds.): *AESOP PhD Research Workshop, An Experience for Integrated Education in the Planning Field – Glasgow Scotland 1995*, AESOP / University of Palermo, Palermo, pp. 145-148.
- Arts, J. (1996), De verwachtingen getoetst, evaluatie achteraf bij m.e.r.-projecten, in: R. Bonte, P. Leroy & R. Mooren (red.), *Milieu-effectrapportage: Methoden, Effecten en Resultaten*, Aeneas, Best, pp. 79-94.
- Arts, J. (1996), “Milieu-effectrapportage als instrument voor gebiedsgericht beleid”, in: G. de Roo (red.), *Milieu planning in vierstromenland*, Samsom Tjeenk Willink, Alphen a/d Rijn, pp. 144-164.
- Arts, E.J.M.M. (1994), “Environmental Impact Assessment: from ex ante to ex post evaluation”, in: H. Voogd (ed.), *Environmental Issues in Planning*, Pion, London, pp. 145-163.
- Arts, J., P. Ike & H. Voogd (1993), “Beton- en Metselzandwinning in Nederland: een verdelingsprobleem binnen onzekere grenzen”, in: J. van Dijk & M.W. de Jong (red.), *Steden en regio's in Europa, Nieuwe ideeën in Nederlands ruimtelijk onderzoek*, Geo Pers / Regional Science Association Nederland, Groningen, pp. 249-266.
- Arts, E.J.M.M., K. Kooistra, P. Ike & H. Voogd (1992), *De stand van het zand, Beton- en metselzand-verbruik per provincie 1988-1990*, Geo Pers, Groningen.
- Arts, J. (1990), “De projektnota als presentatiemiddel” (Hoofdstuk 4), in: G. van Alteren, B. van der Moolen, P. Ike & H. Voogd, *Integrale Projektstudies bij infrastructuurplanning*, Geo Pers, Groningen, pp. 35-60.

TEACHING

In his teaching Jos Arts focuses on infrastructure planning (transport, logistics), sustainable planning approaches, (Environmental) Impact Assessment, and planning- and -evaluation methods. At this he centres on the interfaces between the physical-spatial and the institutional world, between theory and practice and policy and implementation, thereby employing to his professional practice experience and academic research. Accordingly, in his MSc-/BSc-courses much attention is given to guest lectures, excursions, comparative analysis, evaluation of and reflection on (planning) practices, team work, and advice for practice. He has newly developed and revised various courses on infrastructure planning and on environmental planning infrastructure, on planning and evaluation methods. He has been involved from the start of the EIP MSc-programme (the first international (English) planning education in the Netherlands). He has supervised over 120 students for their BSc- or MSc-thesis (mostly MSc-level), and over 30 PhD-researchers' thesis (of which 19 successfully completed).
(For a full overview see list of publications, academic & professional activities)

Development, coordination and lecturing of MSc-courses, BSc-courses:

- Impact Assessment & Policy Evaluation
(MSc Environmental & Infrastructure Planning / Socio-Spatial Planning, RUG) 2021 -
- Fieldwork Water Quality (MSc Environmental & Infrastructure Planning, RUG), 2018 -
- Dilemmas in Infrastructure (MSc Environmental & Infrastructure Planning, RUG), 2010 -
- Environmental Planning course, (MSc Environmental & Infrastructure Planning, RUG), 2007 - 2010
- Infrastructure Planning course, (MSc Environmental & Infrastructure Planning, RUG), 2007 - 2010
- Environmental & Infrastructure Planning (MSc Environmental & Infrastructure Planning, RUG), 2004 - 2006
- MSc-course Master Thesis (MSc Environmental & Infrastructure Planning / Socio-Spatial Planning), 2004 -
- BSc-course Introduction to Academic Research (BSc Spatial Planning & Design, RUG), 2019 -
- BSc-course Bachelor Project (BSc Spatial Planning & Design, RUG), 2017-2018

Guest lectures at FSS, RUG:

on such issues evaluation methods, impact assessment, infrastructure planning for:

- BSc courses of Spatial Planning & Design ('Technische Planologie'; e.g., Comparative Urbanism)
- BSc courses of Human Geography & Planning ('Sociale Geografie & Planologie'; e.g. Groundbreaking Ideas)
- MSc courses of Environmental & Infrastructure Planning (e.g. Planning Methods for Smart Governance)
- MSc courses of SocioSpatial Planning ('Sociale Planologie', e.g. on process design)
- MSc courses of Economic Geography: Transport Geography, and Infrastructure Economy & Space)

Supervision of finished PhD-Research:

- de Groot, Bert (part-time PhD at RUG, from Rijkswaterstaat), "Learning to become adaptive – How hubs facilitate collective learning in project-oriented organisations in infrastructure planning" supervisors prof.dr.ir W. Leendertse (University of Groningen) & prof.dr. J. Arts (University of Groningen), PhD defence 17 April 2023.
- Spijkerboer, Rozanne C. (PhD at RUG), "Institutional harmonization for energy transition - How actors 'play the game' of balancing renewable energy generation with other sea- and land-uses", supervisor prof.dr. J. Arts (University of Groningen), co-supervisors dr. C. Zuidema (University of Groningen) & dr. T. Busscher (University of Groningen), PhD Defence 28 April 2022.
- Laeni, Naïm (PhD at RUG), "Planning for inclusive flood resilience in Southeast Asia: A critical perspective on policy translation, institutional capacity building and transformation", supervisor prof.dr. J. Arts (University of Groningen), co-supervisor dr. M. v.d. Brink (University of Groningen). PhD Defence 6 December 2021.
Awarded with the Best Thesis Award from the Thailand National Research Council.
- Veenma, Klaas (part-time PhD at RUG, Province Overijssel), "Ruimte voor Onzekerheid – Interactie tussen actoren in de dynamiek van infrastructuurplanning", supervisors prof.dr.ir W. Leendertse (University of Groningen) & prof.dr. J. Arts (University of Groningen). PhD Defence 21 October 2021.
- Geet, Marijn T. van (PhD at RUG), "Policy Design and infrastructure Planning – Finding tools to promote land use transport integration", supervisors prof.dr. J. Arts (University of Groningen), co-supervisors prof.dr.ir W. Leendertse (University of Groningen), dr. T. Busscher (University of Groningen) & dr. S. Lenferink (Radboud University Nijmegen). PhD Defence 26 August 2021.
- Mottee, Lara K. (Cotutelle PhD at RUG & Macquarie University, Aus) "The Assessment and Management of Social Impacts in Urban Transport Infrastructure Projects – Exploring relationships between urban governance, project management and impact assessment practices in different geographical contexts" supervisors prof.dr. R. Howitt & dr. F. Miller (Macquarie University, Aus), prof dr. F. Vanclay (University of Groningen) & prof.dr. J. Arts (University of Groningen). PhD Defence 8 December 2020.
- Lee, Juhyun (per 1/10/2018 Ubbo Emmius grant RuG, ex-ADB), *Enhancing social outcomes from mega urban transport development: an integrated approach to transport and spatial planning*, supervisors prof.dr.

- J. Arts (University of Groningen) & prof.dr. F. Vanclay (University of Groningen). PhD Defence 27 October 2020.
- Gulakov, Ilya (PhD also working for Rambol Consultant Company in Russia), *Civil Society and Project Development in Russia – The status and potential of Social Impact Assessment*, supervisors prof. dr. F. Vanclay (University of Groningen) & prof.dr. J. Arts (University of Groningen). PhD Defence 8 September 2020.
 - Darmoyono, Laksmi L.T.D.J.W.W. (ex PhD RUG; advisor at Indonesian Ministry of Transport), *Value capturing for regional road development – A responsive institutional design approach for Indonesia*, supervisors prof.dr. J. Woltjer (Westminster University) & prof.dr. J. Arts (University of Groningen), PhD Defence 28 January 2019.
 - Willems, Jannes J. (2018), *Navigating waterway renewal. Actor-centred institutional perspectives on the planning of ageing waterways in the Netherlands*, supervisor prof.dr. J. Arts (University of Groningen) & prof.dr. J. Wolter (University of Westminster), co-promotor T. Busscher (University of Groningen). PhD Defence 13 September 2018.
 - Hamersma, Marije (2017), *Living near Highways – The impact of existing and planned highway infrastructure on residential satisfaction*, supervisor prof.dr. J. Arts (University of Groningen), co-supervisors dr.ir. T. Tillema (University of Groningen) & dr. E. Heinen (University of Leeds), PhD Defence 16 March 2017.
 - Hijdra, Arjan (2017), *Waterways – Ways of Value; Planning for redevelopment of an ageing system in modern society*, supervisors prof.dr. J. Arts (University of Groningen) & prof. dr. J. Woltjer (Westminster University / University of Groningen), PhD Defence 16 February 2017.
 - Heeres, Niels (2017), *Towards Area-oriented Infrastructure Planning – National road network development in a local spatial context*, supervisor prof.dr. J. Arts (University of Groningen) & co-supervisor dr.ir. T. Tillema (University of Groningen), PhD Defence 9 February 2017.
 - Hanna de Almeida Oliviera, Philippe (2016), *The Social Impacts of Large Projects on Indigenous Peoples – Procedures, processes and protests*, supervisors prof.dr. F. Vanclay (University of Groningen), prof.dr. E.J. Langdon (University of Catarina, Brazil) & prof.dr. J. Arts (University of Groningen), PhD Defence 9 June 2016.
 - Leendertse, Wim L. (2015), *Publiek-Private Interactie in Infrastructuur Netwerken – Een zoektocht naar waardevolle marktbetrokkenheid in het beheer en de ontwikkeling van publieke infrastructuurnetwerken (Public Private Interaction in Infrastructure Networks)*, University of Groningen, Groningen. PhD also working Rijkswaterstaat. Supervisors prof.dr. J. Arts (University of Groningen) & prof.dr.ir. H. de Ridder (Technical University Delft), PhD Defence 30 April 2015.
 - Busscher, Tim (2014), *A Programme-oriented Planning Approach – Linking strategies and projects for adaptive infrastructure planning*, University of Groningen, Groningen. Supervisor prof.dr. J. Arts & co-supervisor dr.ir. T. Tillema (University of Groningen), PhD Defence 19 June 2014.
 - Lenferink, Sander (2013), *Market Involvement throughout the Planning Life-cycle - Public and private experiences with evolving approaches integrating the road infrastructure planning process*, University of Groningen, Groningen. Supervisor prof.dr. J. Arts & co-supervisor dr.ir. T. Tillema (University of Groningen), PhD Defence 15 June 2013.
 - Verhees, Frits (2013), *Publiek-private Samenwerking – Adaptieve planning in theorie en praktijk (Public-private Partnerships – Adaptive planning in theory and practice)*, University of Groningen, Groningen. PhD also working with Heijmans Construction Company. Supervisors prof.dr. G. de Roo & prof.dr. J. Arts (University of Groningen), PhD Defence 25 April 2013.
 - van der Meulen, Tom (2012), *Planning tegen Beter Weten in – Rationele planning opnieuw bezocht – een Popperiaans perspectief (Planning while Knowing Better – Rational planning revisited, a Popperian perspective)*, University of Groningen, Groningen. Supervisors prof.dr. J. Arts, prof.dr. Th. Kuipers & prof.dr. G. de Roo (University of Groningen), PhD Defence 19 April 2012.