

## 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'.  
[https://myuniversity.rug.nl/infonet/medewerkers/profiles/jos.arts/64ah40\\_oratie\\_arts.pdf](https://myuniversity.rug.nl/infonet/medewerkers/profiles/jos.arts/64ah40_oratie_arts.pdf)
- 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". <https://hdl.handle.net/11370/2cf04875-d05e-4640-a777-71d2c4f23a30>
- 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, Id/w in 1<sup>st</sup> 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' Tweeofmeer, 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 / hoofdzaken 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, Eemshaven); 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/](http://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](http://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](http://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](http://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](http://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. ERANET ROAD II Programme on ‘Sustainability and Energy Efficient Management of Roads’, scientific advisor, 2011-2014
20. COST 350 action on Integrated Assessment of Environmental Impact of Traffic and Transport Infrastructure, scientific advisor, 2001-2006

## 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 5,252 citations (H-index = 37) and according to Scopus citations 1,987 (H-index = 23).  
(For a full overview see list of publications, academic & professional activities)

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

- Satheesh, S., S. Verweij, T. Busscher & J. Arts (2024), Drivers of innovation in infrastructure development projects: A configurational analysis of boundary spanning roles, *International Journal of Project Management*, 42 (2024), 102620. 12pp. DOI: <https://doi.org/10.1016/j.ijproman.2024.102620>
- Yip, M.K.F., S. Ramezani, L. Meijering, T. Tillema & J. Arts (2024) Conceptualising justice in Transit-Oriented Development (TOD): Towards an analytical framework, *Transport Reviews*, 1-28. DOI: <https://doi.org/10.1080/01441647.2024.2346761>
- Restemeyer, B., M. van den Brink & J. Arts (2024), A policy instruments palette for spatial quality: lessons from Dutch flood risk management, *Journal of Environmental Policy and Planning*, 26(3), 249-263. DOI: <https://doi.org/10.1080/1523908X.2024.2328072>
- 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, 23pp. 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, 18pp. DOI: <https://doi.org/10.1016/j.landusepol.2023.106997>
- Satheesh, S., S. Verweij, I. van Meerkerk, T. Busscher & J. Arts (2024), Enabling boundary spanners in public-private collaboration: The impact of organizational support on role stress, *Public Administration*, 102(2), 405-424. DOI: <https://doi.org/10.1111/padm.12927>
- Lee, J., J. Arts & F. Vanclay (2024), 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*, 46(1), 40-62. DOI: <https://doi.org/10.1080/07352166.2021.2021086>
- 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>
- 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  
[https://www.boomportaal.nl/tijdschrift/Bk/Bk\\_0927-3387\\_2023\\_032\\_004\\_004](https://www.boomportaal.nl/tijdschrift/Bk/Bk_0927-3387_2023_032_004_004)
- de Groot, B., W. Leendertse & J. Arts (2023), Collective learning in project-oriented organisations in infrastructure planning: interaction for adaptation, *Public Works Management & Policy*, 31pp. DOI: <https://doi.org/10.1177/1087724X231200816>.
- 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>.
- Rădulescu, 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*, 24(5), 639-662. <https://doi.org/10.1080/14649357.2023.2288203>
- 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, *Research in Transportation Business & Management*, 47 (2023), 100953, 11pp. DOI: <https://doi.org/10.1016/j.rtbm.2023.100953>
- Satheesh, S., S. Verweij, I. van Meerkerk, T. Busscher & J. Arts (2023), The Impact of Boundary Spanning by Public Managers on Infrastructure Project Performance, *Public Performance and Management Review*, 46(2), 418-444. DOI: <https://doi.org/10.1080/15309576.2022.2137212>
- 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(1), 36-44. DOI: <https://doi.org/10.24306/TrAESOP.2023.01.004>
- 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: <https://doi.org/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: <https://doi.org/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>
- Neef, R., T. Busscher, S. Verweij & J. Arts (2022), Mapping institutional change: Analysing strategies for institutional design in collective infrastructure renewal, *European Policy Analysis*, **8**(4), 416-438. DOI: <https://doi.org/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*, **31**(8), 1612-1633. 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*, **104**, October 2022, 103419, 12pp. 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), 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, 22pp. 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, 10pp. DOI: <https://doi.org/10.1016/j.scs.2021.102759>
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## 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 35 PhD-researchers' thesis (of which 21 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:

- Neef, M. Robin (2025, PhD at RuG, NWO/NGI - RITRI "Responsive Infrastructures through Responsive Institutions"), Towards the planning of infrastructure renewal: An analysis of futures and institutions for network-of-networks", supervisor prof.dr. J. Arts (RUG), co-supervisor dr. T. Busscher (RUG) & dr. S. Verweij (RUG), approved by the assessment committee, PhD defence planned 23 January 2025.
- Hilbers, Anne Marel (2024, PhD at RUG, RWS-funding), "Citizens' values and tough trade-off choices in road infrastructure planning – Developing tools and methods to enrich intelligence and improve context-sensitive road infrastructure design", supervisor prof.dr. J. Arts (RUG), co-supervisors dr. F. Sijtsma (RUG) & dr. T. Busscher (RUG), PhD-Defence 30 May 2024.
- de Groot, Bert (2023, part-time PhD at RUG, advisor at RWS), "Learning to become adaptive – How hubs facilitate collective learning in project-oriented organisations in infrastructure planning" supervisors prof.dr.ir W. Leendertse (RUG) & prof.dr. J. Arts (RUG), PhD defence 17 April 2023.
- Spijkerboer, Rozanne C. 2022, (PhD at RUG, RWS/RUG-funding), "Institutional harmonization for energy transition - How actors 'play the game' of balancing renewable energy generation with other sea- and land-uses", supervisors prof.dr. J. Arts (RUG), prof.dr. C. Zuidema (RUG) & co-supervisor dr. T. Busscher (RUG), PhD Defence 28 April 2022.
- Laeni, Naïm (2021, 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 (RUG), co-supervisor dr. M. v.d. Brink (RUG). PhD Defence 6 December 2021.  
*Awarded with the Best Thesis Award from the Thailand National Research Council.*
- Veenma, Klaas (2021 part-time PhD at RUG, Province Overijssel), "Ruimte voor Onzekerheid – Interactie tussen actoren in de dynamiek van infrastructuurplanning", supervisors prof.dr.ir W. Leendertse (RUG) & prof.dr. J. Arts (RUG). PhD Defence 21 October 2021.
- Geet, Marijn T. van (2021, PhD at RUG, RWS-funding), "Policy Design and infrastructure Planning – Finding tools to promote land use transport integration", supervisors prof.dr. J. Arts (RUG), prof.dr.ir W. Leendertse (RUG), co-supervisors dr. T. Busscher (RUG) & dr. S. Lenferink (Radboud University Nijmegen). PhD Defence 26 August 2021.

- Mottee, Lara K. (2020, Cotutelle PhD at RUG & Macquarie University, Australia) “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. F. Vanclay (RUG) & prof.dr. J. Arts (RUG), prof.dr. R. Howitt (Macquarie University) & dr. F. Miller (Macquarie University), PhD Defence 8 December 2020.
- Lee, Juhyun (2020, RuG, ex-ADB), *Enhancing social outcomes from mega urban transport development: an integrated approach to transport and spatial planning*, supervisors: prof.dr. J. Arts (RUG) & prof.dr. F. Vanclay (RUG), PhD Defence 27 October 2020.
- Gulakov, Ilya (2020, part-time 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 (RUG) & prof.dr. J. Arts (RUG). PhD Defence 8 September 2020.
- Darmoyono, Laksmi L.T.D.J.W.W. (2019, PhD RUG), *Value capturing for regional road development – A responsive institutional design approach for Indonesia*, supervisors: prof.dr. J. Woltjer (Westminster University/RUG) & prof.dr. J. Arts (RUG), PhD Defence 28 January 2019.
- Willems, Jannes J. (2018, PhD at RUG, RWS-funding), *Navigating waterway renewal. Actor-centred institutional perspectives on the planning of ageing waterways in the Netherlands*, supervisor prof.dr. J. Arts (RUG) & prof.dr. J. Wolter (University of Westminster/RUG), co-promotor T. Busscher (RUG), PhD Defence 13 September 2018.
- Hamersma, Marije (2017, PhD at RUG, RWS-funding), *Living near Highways – The impact of existing and planned highway infrastructure on residential satisfaction*, supervisor prof.dr. J. Arts (RUG), co-supervisors dr.ir. T. Tillema (RUG) & dr. E. Heinen (University of Leeds), PhD Defence 16 March 2017.
- Hijdra, Arjan (2017, part-time PhD at RUG, advisor at RWS), *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, PhD at RUG, RWS-funding) *Towards Area-oriented Infrastructure Planning – National road network development in a local spatial context*, supervisor prof.dr. J. Arts (RUG) & co-supervisor dr.ir. T. Tillema (RUG), PhD Defence 9 February 2017.
- Hanna de Almeida Oliviera, Philippe (2016, PhD at RUG), *The Social Impacts of Large Projects on Indigenous Peoples – Procedures, processes and protests*, supervisors: prof.dr. F. Vanclay (RUG), prof.dr. E.J. Langdon (University of Catarina, Brazil) & prof.dr. J. Arts (RUG), PhD Defence 9 June 2016.
- Leendertse, Wim L. (2015, part-time at RUG, projectmanager at RWS), *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 (RUG) & prof.dr.ir. H. de Ridder (Technical University Delft), PhD Defence 30 April 2015.
- Busscher, Tim (2014, PhD at RUG, RWS-funding), *A Programme-oriented Planning Approach – Linking strategies and projects for adaptive infrastructure planning*, University of Groningen, Groningen. Supervisor prof.dr. J. Arts (RUG) & co-supervisor dr.ir. T. Tillema (RUG), PhD Defence 19 June 2014.
- Lenferink, Sander (2013, PhD at RUG, RWS-funding), *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 (RUG) & co-supervisor dr.ir. T. Tillema (RUG), PhD Defence 15 June 2013.
- Verhees, Frits (2013, part-time PhD, working at Heijmans Construction Company), *Publiek-private Samenwerking – Adaptieve planning in theorie en praktijk (Public-private Partnerships – Adaptive planning in theory and practice)*, University of Groningen, Groningen. Supervisors: prof.dr. G. de Roo (RUG) & prof.dr. J. Arts (RUG), PhD Defence 25 April 2013.
- van der Meulen, Tom (2012, part-Time PhD, working as lecturer at RUG), *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 (RUG), prof.dr. Th. Kuipers RUG) & prof.dr. G. de Roo (RUG), PhD Defence 19 April 2012.