PERSONAL INFORMATION   Tjerk Timan

26 Rue de Flesselles, 69001, Lyon, France

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tjerktiman.nl

Sex Male | Date of birth 07/11/1982 | Nationality Dutch

POSITION   Project manager EU, Principal Consultant Digital Society & Economy

PROFILE BIOGRAPHY   Tjerk Timan is project manager of large collaborative research projects such as Horizon Europe at CT-IPC, a mid-sized research-& technology centre in the Lyon area. Here he works on projects in the area of smart industry and human-centred digitisation and human-machine collaboration. He is also a Principal Consultant in Technopolis Group Belgium. Here he works on questions of societal and organisational embedding of ICT innovations such as AI, SSI, digital identity, data governance, data protection impact assessments, data spaces, as well as social- and ethical impacts of new digital technologies in public- and private sectors. He has experience in developing impact assessments, setting up stakeholder consultations and conducing in-depth interviews and analysis on digital policy and regulation on regional, national and EU-level. He has also worked on 'by-design' approaches, data-driven policymaking (via Policy Labs) and sandboxing and assessing the use of AI in the public sector (via so-called AI Oversight Labs). He brings 10+ years of combined academic-and applied research experience in the fields of policy and regulation of digital technologies, science-and technologies studies, and ethical, legal, social and organisational impact assessment methods (ELSA).

He has experience in European projects related to digitization project in different contexts (H2020, HEU) and in delivering policy options and analysis (for a.o. STOA, JRC, DG CNECT, and several Dutch ministries). Recently his focus area has been AI regulation and sandboxing, standardisation in data-and information infrastructures and developing services and guidelines for data spaces. He has experience in data-driven foresight approaches to support digital strategies. He publishes and presents about data, AI, devices, policy, regulation, and public values in relation to digital technologies regularly.

Tjerk holds a PhD in Science-and Technology Studies from the University of Twente (NL), an MA in media studies from the University of Amsterdam (NL) and a BSc in Industrial Design from Eindhoven University (NL). He was a visiting scholar at the Management School of St. Andrews University, Scotland in 2017.

KEYWORDS

Policy analysis, social & ethical impact assessment, ELSA, digital strategies, information standards, data governance models, 'by design' approaches, AI policy and regulation, Policy forecasting, regulatory sandboxes, social impacts of AI

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OVERVIEW WORK EXPERIENCE

Date	Title	Organization
2023-current	EU project manager	CT-IPC, FR
2023-current	Principal Consultant	Technopolis Group, BE
2019-2022	Senior Scientist	TNO, NL
2017-2019	Scientist Integrator	TNO, NL
2014-2017	Postdoctoral researcher	Tilburg University, Tilburg, NL
2013-2015	Lecturer	Erasmus University, Rotterdam, NL
2009-2013	PhD researcher, Lecturer	Twente University, NL
2007-2008	Technology Support Officer	Philips N.V., NL

WORK EXPERIENCE

2023-present

EU project manager

CT- IPC

Project coordinator for the R3group project, a large HEU project on the topic of resilience and reconfigurability in manufacturing. Responsible for budget (11M), financial reports, contact with the EC project officer, internal project organisation (23 partners), delivery of results, communication, dissemination and impact, strategic positioning of project outcomes in EU R&I policy agenda.

Responsible for setting up research consortia and developing novel concepts in the areas of circularity and digitisation, with a focus on data spaces and the role of AI in the transformation of work.

Business or sector Applied research

2023- present

Principal Consultant

Technopolis Group Belgium

Responsible for business development and project management of digital, industry and R&D related studies for European (DG CNECT, DG GROW, DG RTD, DG JRC) and national/regional public organisations.

Developing reports, analysis and recommendations on digital policy, technology and market developments, data ecosystems and local digital twins, and digital transformation of businesses, public services and cities. Covers technologies such as AI, IoT and edge computing.

Business or sector Research and consultancy

2019-2022

Senior Scientist

Strategy & Policy Department, TNO, The Netherlands

Responsible for setting up internal team and portfolio line on Trustworthy AI.

Responsible for project grant writing, project management and research into digitization in and the public sector for multiple EU (h2020) and national projects. Topic included:

- eSSIF-Lab and cascading funding schemes
- Trustworthy AI
- AI oversight Lab
- Digital Strategy and policy development
- Information standards in healthcare
- Data policy on EU level
- AI regulation
- data-driven forecasting for the cultural sector
- norm engineering and international policy
- ELSA and ethics of new technologies (for several ministries).

Business or sector Applied research

2017– 2019 Scientist Integrator

Strategy & Policy Department, TNO, The Netherlands

Responsible for project grant writing, project management and research into digitization in and the public sector for multiple EU (h2020) and national projects. Topic included:

- Privacy-by-design and data protection in practice
- Digital identity
- data-driven policy development
- The Once Only Principle Impact assessment
- Big data policy and strategy
- Cybersecurity policy

Business or sector Research & Consultancy

2014 – 2017 Postdoctoral Researcher

Tilburg Institute for Law, Technology & Society, Tilburg   University, The Netherlands.

Postdoc on the multiple projects such as "Privacyspaces", investigating legal spaces of privacy and finding new boundary concepts of privacy from a legal- and STS perspective, and MicroMole" - responsible for social and ethical impact assessment of a novel law enforcement robot.

Business or sector Research

2015-2016 Coderdojo Lead coach

Muntpunt, Brussels

Developing weekly workshops on ICT literacy for children between 7 and 14. http://www.coderdojobru.com/

Business or sector Public sector

2014 – 2015 Lecturer

Erasmus University of Rotterdam, The Netherlands

Course coordinator of "Big Data and Visualisation" for the EG3S PhD graduate school

Master thesis supervision (10+)

Providing- courses on different levels (BA, MA, PhD). Topics include Digital Research methods, Data science Methods, Big Data and visualisation for social sciences, surveillance studies, media history

Business or sector Research and Education

2007 – 2008 **Technology support officer for Philips Consumer Lifestyle**

Philips Eindhoven, The Netherlands

Technology support officer for Philips Consumer Lifestyle. Responsible for team management, coordination with Philips Design, intranet web development, preparing Philips Global digital campaign.

Business or sector Commercial, Technology

EDUCATION AND TRAINING ───────────────────────

2009 – 2013 **PhD degree Science & Technology Studies**

University of Twente, The Netherlands

Defended on November 6th, 2013. Promotor: Prof.dr. N.E.J. Oudshoorn.

Promotion Committee: Prof. Dr. S. Wyatt, Prof. Dr. J.A.G.M. van Dijk, Prof. dr. S. Kuhlmann, dr. A. Albrechtslund, dr. I. van der Ploeg.

Title: *Changing landscapes of surveillance.*

Subtitle: *Emerging technologies and participatory surveillance in Dutch nightscapes*

Topics and activities covered: Surveillance studies, Science-and Technology Studies, Technology Assessment, Qualitative Research Methods, Script Analysis, Ethnography and user studies

2010-2013 **WTMC graduate school**

https://www.wtmc.eu

Topics and activities covered: Public Understanding of Science, Science and society dynamics, Presentation and critical reading, Sociology of Science and Technology – theory and methods, (Constructive) Technology Assessment, Qualitative Methods

2007-2009 **MA Media and Communication,**

University of Amsterdam, The Netherlands.

MA Thesis on Internet of Things supervised by Prof R.A. Rogers.

Topics and activities covered: Digital Research methods,

Critical Media theory, Information Visualisation, Network Analysis.

2003-2007 **BSc Industrial Design,**

Technical University of Eindhoven, The Netherlands.

BSc thesis project on Internet of Things. Supervised by Dr. K. van Mensvoort

Topics and activities covered: Design theory and reflection, User studies, Qualitative research methods (participatory methods), Programming (microcontroller / PIC / sensors and actuators), Basic electronics and prototyping, Systems modelling, logics and sets theory, Presentation and dissemination, Visual –and web tools, 3d modelling.

PERSONAL SKILLS ───────────────────────

Mother tongue(s)	Dutch

Other language(s)

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

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

Job-related skills

Leadership skills
- Experience in managing research teams and projects in h2020 and HEU context as well as within a more commercial R&D settings (Philips, TNO, Startups and SMEs)
- Project management responsibilities (planning, budget, organisation of content and deliverable writing), mainly in R&D and academic contexts, as well as commercial tenders and contract research

Presentation skills.
- Experience gained through 10yr+ experience as teacher and public presenter in many different settings, such as general audiences, commercial settings and as conference talks and lectures for PhD, MA and BA and BSc students.
- Social Media and CMS experience, blog writing experience for policy and technology outlets and projects.
- Workshop facilitation experience.
- Public speaking experience (+10 years)

Analytical skills
- Quality control in writing and organizing peer reviews
- Report writing, academic journal article writing
- Qualitative, conceptual analysis, interdisciplinary research and writing
- Teaching and didactic skills – via Dutch BKA program for academic course development

ADDITIONAL INFORMATION

Projects	• 2023- current: R3group (HEU). Project coordinator.
	• 2023-2023 : EOSC Future Task 2. EOSC- data spaces collaborations (DG RTD).
	• 2023-2023. EDGE observatory (DG CNECT).
	• 2023-2023; Human Centric Technology Roadmap (DG RTD).
	• 2022-2023: Data Spaces Support Centre (DEP)
	• 2022-2023: Co-developing a Digital Strategy for the Dutch Cultural Sector. (DEN/ Ministry of Education, Science & Culture).
	• 2021-2022: Information standards in healthcare. (Dutch Ministry of Health, Wellbeing and Sports).
	• 2021: How do people feel about AI-driven decision-making: See https://www.ru.nl/ai/research-education/radboud-ai-innovation-voucher/innovation-vouchers-2021/how-do-people-feel-about-ai-driven-decision-making/ (partner to the project)
	• 2020- 2021. AI in the public sector - company white paper. (TNO Internal)
	• 2021- 2021: EP Briefings on "AI in Smart cities and urban mobility" and "AI in public service" (FWC IP/A/ITRE/FWC/2018).
	• 2020-2022: Internal lead and portfolio management Trustworthy AI (TNO Internal)
	• 2020-2022: AI Oversight Lab. Impact Assessment of Governmental use of AI. (Dutch Ministry of Interior Affairs & TNO internal).
	• 2019- 2022: Scientific support for Social and Economic Impact Assessment of AI for the public sector (JRC/SVQ/2019/MVP/2530)
	• 2019-2022: Business sustainability and policy framework for the European Self-Sovereign Identity Foundation – Lab (eSSIF-Lab - h2020).
	• 2019-2021: Blockchain Innovation Spaces (Block-IS - H2020)
	• 2019- 2020: Fairness in AI. (Dutch Ministry of Economic Affairs).
	• 2017-2020: Big Data Value eCosystem (EU-BDVE - h2020)
	• 2018-2021: GEKI – police innovation program. Dutch National Police (Ministry of Economic Affairs, The Netherlands).
	• 2018-2022: VWdata/Responsible data use. (Ministry of Economic Affairs, Ministry of Internal Affairs &Ministry of Justice and Security, The Netherlands).
	• 2018: Policylab Rotterdam. The case of youth work in Rotterdam South (Dutch Ministry of Interior Affairs & Municipality of Rotterdam, The Netherlands)
	• 2017-2020: The Once Only Principle (TOOP - H2020)
	• 2017-2018: Digitization of Social Services (Eurofound)
	• 2018: SafeNess - Study on safety of non-embedded software ; Service, data access, and legal issues of advanced robots, autonomous, connected and AI-based vehicles and systems (DG CNECT)
	• 2017-2018: Responsible Data Analytics in cybersecurity. NCSC (National Cyber Security Centre, The Netherlands).
	• 2014-2017: WP Social- and Ethical Impact Assessment of a Sewage Robot for LEAs – (Micromole - h2020).
	• 2014-2017: Privacyspaces (NWO, dutch research funding)
	• 2009- 2013: Stadsnachtwacht NWO MVI (Dutch Science Organisation- responsible innovation program)
	• 2006-2007: Maker workshops and citizen science (FabLabs): Mediamatic, Amsterdam

Publications (selection)

- van Drumpt, S., **Timan, T**., Talie, S., Veugen, T., van de Burgwal, L. Digital transitions in Healthcare: the need for Transdisciplinary Research to overcome barriers of Privacy Enhancing Technologies uptake (2024). *Health & Technology,* Springer.
- Steen, M., van Diggelen, J., **Timan, T.**, & van der Stap, N. (2023). Meaningful human control of drones: exploring human–machine teaming, informed by four different ethical perspectives. *AI and Ethics*, *3*(1), 281-293.
- Veenstra, A.F. van & **Timan, T**. (2022) 'A Public Value Impact Assessment Framework for Digital Governance'. In *Scientific Foundations of Digital Governance and Transformation*, Springer.
- Steen, M., van Diggelen, J., & **Timan, T.** (2022). Bringing ideas from cybernetics to current challenges in AI. In *The first International Conference on Hybrid Human-Artificial Intelligence (HHAI 2022), 13-17 June, Amsterdam*.
- Georgieva, I., Lazo, C., **Timan, T.,** & van Veenstra, A. F. (2022). From AI ethics principles to data science practice: a reflection and a gap analysis based on recent frameworks and practical experience. *AI and Ethics*, 1-15.
- **Timan, T.,** van Oirsouw, C., & Hoekstra, M. (2021). 'The Role of Data Regulation in Shaping AI: An Overview of Challenges and Recommendations for SMEs'. *The Elements of Big Data Value*, 355.
- **Timan, T.** & Mann, Z.A. "Data Protection in the Era of Artificial Intelligence: Trends, Existing Solutions and Recommendations for Privacy-Preserving Technologies." In *The Elements of Big Data Value,* pp. 153-175. Springer, Cham, 2021.
- Steen, M. van der Poel, I. **Timan, T**. (2021). 'Responsible Innovation, Anticipation and Responsiveness: Case studies of Algorithms in Decision Support in Justice and Security, and an Exploration of Potential, Unintended, Undesirable, Higher-order Effects'. *AI & Ethics*
- **Timan, T**., van Veenstra, A. F., & Karanikolova, K. (2021). Measuring the Impact of the Once Only Principle for Businesses Across Borders. In *The Once-Only Principle* (pp. 208-224). Springer, Cham.
- Van Veenstra, A. F., Bodea, G., **Timan, T**., Misuraca, G., & van Noordt, C. (2020). 'Assessment of the Use of Artificial Intelligence to Support Public Services: Methodology and Roadmap'. *EGOV-CeDEM-ePart 2020,* 359.
- **Timan, T.** & Dalibert, L. (2019). 'Un simple outil de surveillance? Biographie d'une caméra portée sur le corps par la police aux Pays-Bas'. *Technologie et Innovation* : numéro spécial : Les biographies d'innovation comme vecteur de développement de la culture technique.
- **Timan, T.,** & Grommé, F. 2020. "Wat is rechtvaardige AI? Een kader voor het ontwikkelen en toepassen van algoritmes voor automatische besluitvorming." *Beleid en Maatschappij* 47 (4): 425–38. https://doi.org/10.5553/BenM/138900692020047004009.
- van Dongen, L. & **Timan, T.** (2017). 'Your Smart Coffee Machine Knows What You Did Last Summer: A Legal Analysis of the Limitations of Traditional Privacy of the Home under Dutch Law in the Era of Smart Technology.' *Scripted journal*, Issue 14:2: 208-238
- Koops, B. J., Newell, B. C., **Timan, T**., Skorvanek, I., Chokrevski, T., & Galic, M. (2016). A typology of privacy. *U. Pa. J. Int'l L.*, 38, 483
- **Timan, Tjerk** (2016). The Body-worn Camera as a Transitional Technology. *Surveillance & Society* 14(1): 145-149
- Galič, M., **Timan**, T. & Koops, B.J. (2016). Bentham, Foucault and beyond: An overview of surveillance theories from Panopticon to participation. *Philosophy & Technology.* Volume 30, pp. 9-37

Project Reports (selection)	

- Lazo, C; Karanikolova, K; **Timan, T**; Bomhof, F. (2023) VISION CSA. Deliverable D2.4 Report Towards classification of European AI research & innovation topics.
- Georgieva, I. **Timan, T**. & Hoekstra, M. (2022). *Regulatory divergence and the AI act.* Report for EP STOA in preparation for the parliament's vote on high-risk systems in the AI Act. Panel for the Future of Science and Technology, EPRS, European Parliamentary Research Service Scientific Foresight Unit (STOA).
- Bodea, G., **Timan, T.,** Montalvo, C., Veenstra, A.F.. v. (2021) *AI in the public sector – towards a methodology to assess social and economic impacts of artificial intelligence. S*tudy for the European Commission/Joint Research Centre.
- Stolwijk, C., Punter, M., **Timan, T.,** Berkers, F., Georgieva, I., Gilsing, R., ... & Joosten, R. (2022). *Bridging the Dutch and European Digital Sovereignty gap*. TNO position paper.
- **Timan, T.** et al. (2021). *Artificial Intelligence and public services.* AIDA committee, Policy Department for Economic, Scientific and Quality of Life Policies. doi: 10.2861/59813
- Yordanova, Katerina, Natalie Bertels, Freek Bomhof, Roberto Di Bernardo, Ana García Robles, Norbert Jastroch, **Tjerk Timan**, Mattia Trino, Ray Walshe, and Sonja Zillner. "Response to the European Commission's proposal for AI Regulation." (2021). BDVA.
- Veenstra, van, A.F. *et al.* (2021) AI: In search of the human dimension. Involve citizens and experiment responsibly-Whitepaper. TNO white paper.
- Van Noordt, C., Misuraca, G., Mortati, M., Rizzo, F. and **Timan, T**., AI Watch - Artificial Intelligence for the public sector - Report of the "1st Peer Learning Workshop on the use and impact of AI in public services", Brussels 11-12 February 2020, Publications Office of the European Union, Luxembourg, 2020, ISBN 978-92-76-19438-5, doi:10.2760/25756, JRC120315.
- European Commission, Directorate-General for Communications Networks, Content and Technology, **Timan, T.**, Snijders, R., Kirova, M., et al., Study on safety of non-embedded software : service, data access, and legal issues of advanced robots, autonomous, connected, and AI-based vehicles and systems : final study report regarding CAD/CCAM and industrial robots, Publications Office, 2019, https://data.europa.eu/doi/10.2759/448974
- Wabeke, T., Klos, V., & **Timan, T.** (2018). "Trias Analytica" - how to conduct data science responsibly. TNO company whitepaper (in Dutch).
- Kotterink, B., & **Timan, T**. (2018). The impact of digitisation on social services - Report for Eurofound.
- **Timan, T.,** Sprenkelink, M., Djafari, S., & Esmeijer, J. (2018). Upcoming technologies for 2018: an update of technology forecasting 2015 for the Ministry of Interior Affairs, NL. TNO report.
- **Timan, T.** & Kotterink, B. (2017). The Free Flow of Data – A moving target. BDVE Deliverable D 2.2: (internal deliverable).

Presentations (selection)

- 26 June 2023. 'DSSC and data spaces'. *Data Week conference*, Poznan. (online presentation).
- 15 June 2023. 'The uptake of privacy enhancing technologies in healthcare'. *EU-SPRI Conference*, Brighton, UK. With Linda van der Burghwal.
- 16 February 2023. 'Data spaces – EOSC interaction'. *EOSC* symposium. Pisa, Italy.
- 22 November 2022. 'VISION Session on AI Roadmap'. *EBDVF 2022*, Prague, CZ.
- 19 October 2022 Cross-network Scientific Challenges, Second ICT-48 Community Workshop 2022: Towards a Shared European AI Map and Strategic Research Agenda, Brussels, BE
- 12 October 2022. 'How to organise AI oversight?' *UNESCO Ethics of AI conference*, Paris, France.
- December 2021. 'AI and ethics for public services'. *Webinar series for RADIO, BZK* (online micro-learnings for ICT developers within the Ministry of Interior Affairs).
- 10 December 2020. 'Privacy Preserving Technologies: The state and role in EU research projects.' *PIlab* (online conference).
- 5 November 2020. 'Beyond ethical frameworks: how to involve citizens in the development of AI. *EBDVF 2020* [online conference]. With Anne Fleur van Veenstra.
- 20 October 2020. 'Biometric surveillance in Amsterdam', *Amsterdam City TechTalks,* Rode Hoed (cultural centre Amsterdam), Amsterdam, The Netherlands.
- 14 October 2020. 'How do SMEs in Europe successfully adopt and use blockchain?' *DigitalSME blockchain forum* [online conference].
- 15 July 2020. 'Openness Online: The role of strategic visibility in the debate on cyber norms'. *Closing the Gap conference*. https://eucyberdirect.eu/content_events/closing-the-gap-conference/. With Ilina Georgieva.
- 26 May 2020. '*Indo-Dutch innovation during crisis. The role of data & AI'* Crowdcast: Webinar #2 , WorldStartup [online conference].
- 11 - 12 February 2020. 'First Peer Learning Workshop on the use and impact of AI in public services'. *JRC AI watch*, Brussels, Belgium. With Anne Fleur van Veenstra and Gabriela Bodea.
- 14 November 2019. 'Framework conditions around data4AI' . *E-SIDES conference*, Brussels, Belgium.
- 4 - 6 November 2019. 'Responsible data innovation' *4th conference on Technology Assessment*, Bratislava, Slovakia.
- 19 - 23 August 2019. 'Data protection in the era of big data for artificial intelligence: current trends and solutions in privacy-preserving technologies', *IFIP summer school, keynote lecture*, Brugg University, Switserland.
- 12 December 2018. 'Privacy data protection and trust : technological solutions for trust in the data economy', *European Big Data Value Forum (EBDVF) 2018*, Vienna, Austria.
- 6 December 2018. 'Cybersecurity and novel challenges caused by Artificial Intelligence', *ICT 2018 Imagine Digital - Connect Europe*, Vienna, Austria.
- 5 December 2018. 'Cybersecurity and novel challenges caused by Artificial Intelligence', *ICT 2018 Imagine Digital - Connect Europe*, Vienna, Austria.
- 12 November 2018. 'Data democratization : Concepts, drivers and barriers of data democratization », *European Big Data Value Forum (EBDVF) 2018*, Vienna, Austria..
- 12 November 2018. 'Getting your data-driven idea investor-ready » *European Big Data Value Forum (EBDVF)*, Vienna, Austria.
- 11 September 2018. 'Policylab: The Rotterdam Case'. Invited talk for the Ministry of Interior and Kingdom Relations The Hague, The Netherlands
- 23 May 2017. 'Data Science methods: (mis)interpretations', *Conference on Big Data, Law & Ethics*, Ljubljana, Slovenia.
- 7- 9 June 2018. 'Surveillance theory meets Participation Theory', *Surveillance & Society Conference*, Aarhus, Denmark.
- 18 May 2017.'Privacy-by-Design beyond the screen'. *TILTing perspectives "Regulating a Connected World"*, Tilburg University, The Netherlands.

Memberships (Industry and academic)	
	2023 - current Lorentz-Nias Centre Leiden - Expert board ICT. See https://www.lorentzcenter.nl
	2023 - current. EFFRA partnership.
	2023 - current ADRA partnership
	2018 - 2021 BDVA (Big Data Value Association). See https://www.bdva.eu
	2011 - 2018 SSN Surveillance Studies Network. See https://www.surveillance-studies.net
	2009 - 2013 WTMC Network for Science- and Technology Studies. See https://www.wtmc.eu
	2009 - 2023 EUSPRI network. See https://euspri-forum.eu

Reviewer roles:
Reviewer for the journal "Policing: A Journal of Policy and Practice"
Reviewer for the journal "Science and Engineering Ethics"
Reviewer for the journal "The Information Society"
Reviewer for the journal "Information, Communication and Society".
Reviewer for the journal "Information Systems".
Reviewer for the journal "ACM FAccT".
Reviewer for the "CPDP conference".
Reviewer for the journal " Philosophy and Technology"