

## CV dr. ir. Mattijs Taanman

### Profile

Mattijs Taanman (1979) is an STS and transition scholar and consultant with extensive experience at the intersection between sustainability (mostly energy), social science, innovation and policy. My focus is on local challenges, innovative policy, energy markets and digitization. I am strongly socially driven with a broad view of social and energy issues. I always use theory, analysis and explorations in an instrumental way with the question: "to which move should this lead?". I embrace hypes, buzzes and conflicts and then strip them to the core.



### Work and Study

*2021- now:* Researcher at GovernEUR, a valorisation and constancy enterprise of the Social Science Faculty at Erasmus University. GovernEUR aims to strengthen the governance capacity and public impact of networks.



*2014-2021:* Freelancer and research lead at Studio Wolfpack. Studio Wolfpack developed interventions at the interface of policy, sustainability and innovation in Rotterdam and South Holland. Focus: research for both long-term scenarios and concrete policies and pilots. Working method: as an intermediary between pioneers, universities and civil servants.



*2010-2014:* Consultant at Institute Social Innovation (IMI). IMI focuses on social dialogue, participation and public innovation in municipalities and ministries.



*2005-2010:* PhD research and advisor at the Dutch Research Institute for Transitions (Drift), Erasmus University Rotterdam and TNO Delft. Focus: developing participatory monitoring tools and evaluation of sustainability transitions within various innovation programs, including in the areas of mobility, water, energy and care. Graduated in October 2014.

*2004-2005:* Research at the TU/e into the history of the Energy Research Center of the Netherlands (ECN), resulting in a book.

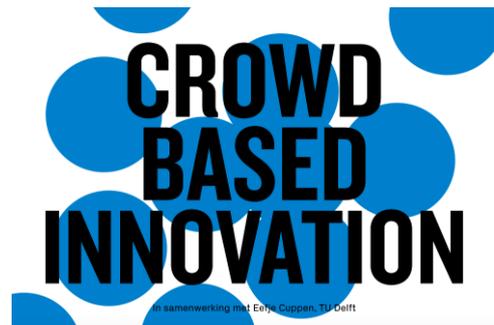


1998-2004: Technical Innovation Sciences (then: Technology and Society) at the Eindhoven University of Technology. A multidisciplinary study specializing in sustainable energy innovation and policy. Thesis on the diffusion of the use of hydrogen technology (winner of Thesis Prize "Technology, Economy and Society" at the Royal Institute of Engineers).

### Selected projects

*Crowd-based Innovations (2020-on-going)*. An NWO funded research programme on innovations in which citizens take over system roles from businesses and government, leading to a transition in responsibilities. Initially involved as a valorisation partner, I am now leading a project with two student assistants (and three profs) to top up the research, prepare and write journal papers and create a magazine for further valorisation. Research papers in development focus on the rise and fall of social delivery logistics, energy democracy and citizen science and innovation crowdsourcing in the water sector.

*Urban Adapt Evaluation (2018-2021)*. I led the evaluation of co-created climate adaptation projects in Rotterdam alongside the Maas (River as a Tidal Park) and inner city neighbourhoods (ZoHo Climate Proof). Based on the lessons we drew up a generic co-design framework with specific principles and roles in different phases. Lessons were to downplay innovativeness in the face of resident protest, move the process outside the municipal organization (and carefully manage their return) and that although the cocreated process were costlier they resulted in more integrated and more widely supported projects.



*Smart Multi Commodity (2017-2019)*. Infrastructure forms the backbone of the energy transition. With Kamangir and the architects of FABRICations we designed the key issues for this backbone, mapped the current Zuid-Holland energy grid (electrons, heat *and* molecules) and worked out 2050 scenarios. The internet of energy (IoE) is one of the leading concepts in this: a grid that connects everything with everything and facilitates data driven exchange between all. The IoE reduces the required capacity for infrastructure, storage and backup facilities while simultaneously creating new roles and markets in the energy system. Thus boosting a fair, affordable, reliable and clean energy system. My role was to explain and analyse the emergence of the IoE and create imaginaries how it will influence the life of citizens.



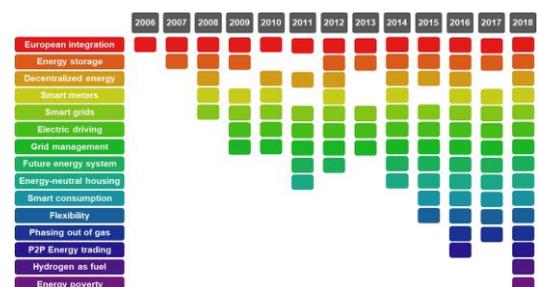
*Next Economy (2015-2018)*. This regional (MRDH) programme developed a roadmap for the sustainability and digital transitions. We acted as ‘counterweight’ to the top-down policy programme: we initiated LoRa/IoT pilots; initiated and programmed public gatherings, including a programme @pakhuis de zwijger; pioneered what would become BlockLab (fieldlab on Blockchain technologies), created new economic and social indicators like the ‘huishoudboekje’ of the next economy and worked hard (but ultimately failed) to realize a Grassroots Business Lab to match the start-up ecosystem with the grassroots scene. [www.nexteconomy.nl](http://www.nexteconomy.nl) offers an overview of activities.



Academic publications

Peer-reviewed Articles

- Galvan, Cuppen, Taanman (2020), Exploring incumbents’ agency: Institutional work by grid operators in decentralized energy innovations, Environmental Innovation and Societal Transitions, Volume 37
- Cuppen, Pesch, Remmerswaal and Taanman (2019), Normative diversity, conflict and transition: Shale gas in the Netherlands, Technological Forecasting and Social Change, Volume 145, p 165-175,



- Loorbach, Brugge, Taanman (2008), Governance in the energy transition: Practice of transition management in the Netherlands, International Journal of Environmental Technology and Management, volume 9, issue 2-3
- Taanman, de Groot, Kemp, Verspagen (2008), Diffusion paths for hydrogen co-generation in the Netherlands, Journal of Cleaner Production, Vol 16, Issue 1.

## Books and chapters

- Wolfpack (2017): Lab results, overview of interviews, pilots and indicators developed for the Next Economy
- Taanman (2014), Looking for Transitions, Dissertation, EUR
- Taanman (2012) Chapter: Working in the Science-Policy Interface, Transition Monitoring in the Dutch Energy Transition Program, in 'Governing the energy transition: Reality, Illusion or Necessity', eds: Geert Verbong, Derk Loorbach
- Verbong, Berkers, Taanman (2005), On the road to the market: the history of ECN (1976-2001)



## Privately

Living in and lover of Rotterdam West for 15 years | Married and father of two children | Son of an elderman and a teacher | Can't wait to go bouldering again in Fontainebleau (and a new Summer of Love) | Experimental guitarist with the Men from Del Monte | lives in an old school building that we have renovated and which is now not only beautiful, but also energy neutral | information junkie (generic)

