

**Dr. MSc. Ir. Niki Frantzeskaki**  
**Associate Professor on Sustainability Transitions’**  
**Governance**

Dutch Research Institute For Transitions (DRIFT)  
Faculty of Social Sciences  
Erasmus University Rotterdam  
The Netherlands



Email: [frantzeskaki@drift.eur.nl](mailto:frantzeskaki@drift.eur.nl)  
Skype: niki\_frantzeskaki  
Twitter: @NFrantzeskaki

## **SHORT BIO**

Niki Frantzeskaki holds a PhD on ‘Dynamics of Sustainability transitions’ from Delft University of Technology and is an Associate Professor on Sustainability Transitions’ Governance at DRIFT, Faculty of Social Sciences at Erasmus University Rotterdam. She is working at DRIFT since 2010 where she researches contemporary sustainability transitions and their governance across Europe, USA, Brazil and in developing countries like Vanuatu, and Ghana. She is coordinating research on environmental governance, and urban sustainability transitions by leading and being involved in a portfolio of research projects including: CONNECTING NATURE, IMPRESSIONS, GUST, GATE, RESILIENT EUROPE, and ENABLE. Successfully finalized projects include: URBES, ARTS, SUSTAIN, MUSIC, RESHARE, RWS funded project on Sustainability in Large Infrastructures and NGI Self-organisation of infrastructures. She has edited 12 special issues in top-ranked journals about sustainability and sustainability transitions. She has edited two books on sustainable waste management in Greek and three books on urban transitions and transition management published in 2017 and 2018 with Routledge, Cambridge University Press and Springer Nature. She contributed as a lead expert in international dialogues and projects, being the lead expert in the European Union and Brazil platform of science exchange and co-production under the theme of innovating cities with nature-based solutions, with a good grasp on global environmental governance knowledge and processes in 2015-2016. She is actively contributing as an author in CBO, GEO-5, GEO-6 and IPBES assessments.

## **1. PROFESSIONAL APPOINTMENTS**

**Associate Professor** May 2014-today

Governance of Sustainability Transitions  
Dutch Research Institute For Transitions (DRIFT)  
Faculty of Social Sciences, Erasmus University  
Rotterdam, The Netherlands

## **2. EDUCATIONAL BACKGROUND**

<b>PhD</b>	2006-2011	<b>Dynamics of Societal Transitions, Driving Forces and Feedback Loops</b> TU Delft, Faculty of Technology, Policy and Management, The Netherlands Research topic: Modeling the dynamics of transitions, II.2 Transitions research program ( <a href="http://www.transitionnetwork.nl">www.transitionnetwork.nl</a> )
<b>MSc</b>	2003-2005	<b>Evaluation of the Dutch Flood Defence Policy Design Process – Casting an eye on the Rhine River (Studied period 1993-2005)</b> Master of Science in Engineering & Policy Analysis TU Delft, Faculty of Technology, Policy and Management, The Netherlands ( <i>Graduated with honors – cum laude</i> )

**MSc & Bachelor**      1998-2003      **Modeling of Phosphorous and Nitrogen Emissions in Temporary River Basins**– An application of the MONERIS model in the Krathis River Basin, Greece.  
TU Crete, Department of Environmental Engineering, Greece  
(*Graduated with honors – cum laude*)

### **3. RESEARCH PROJECTS**

#### **Recently granted projects (not yet started):**

**Waste Few ULL** (SUGI Belmont Forum) (2018-2021) (Role: Workpackage Leader)

WP leader on co-creation processes for setting up a city-wide urban living lab for circular economy in Rotterdam involving the scaled up initiative Blue City and other smaller scale social entrepreneurial initiatives on circular economy, research institutes and actors as well as the city and regional authorities. The aim is to understand the nexus of urban water-energy-food from the perspective of circularity and contribute to new forms of governance tools and instruments on how to transform urban nexus systems to more resilient circular ones. The project team involves Dr. Frantzeskaki and Dr. Timo von Wirth and is a collaborative research project with British, German, French and Brazilian partners.

#### **On-going projects:**

**CONNECTING** (HORIZON FP7 R&I) (2017-2021) (Role: Workpackage Leader)

WP leader on innovative city-making with nature-based solutions for urban sustainability and resilience in three frontrunner cities (Genk, Belgium, Glasgow, United Kingdom and Poznan, Poland) and eleven fast-follower cities (including Burgas, Bulgaria, Pavlos Melas, Greece, Ioannina, Greece, Bologna, Italy, A Coruna, Spain, Tsibils, Armenia etc). From a close collaboration and co-creation research with the frontrunner cities, we will make a new urban planning cycle that centers on how to capitalize and scale existing and impactful innovations of all kinds to a new accelerated city-making process for fostering urban resilience and achieving urban sustainability on the long term. The new city-making cycle adheres to co-creation and co-production design criteria and aligns, connects, capitalizes and scales social, technological, knowledge and governance innovations. The project is a large scale innovation action project on embedding and mainstreaming nature-based solutions in cities, builds collaborations with cities and city networks across the globe with ties in Brazil, Seoul, and China. In Connecting Nature, we put research and academic knowledge in a new role, to bridge the gap between planning and implementation with new co-produced knowledge, new tools and planning instruments and with a repositioning of the roles of cities as facilitators of innovations and as innovators themselves. In the CONNECTING Nature Project, we also have the task to translate the knowledge co-produced into material for post-graduates and practitioners by establishing an Academy of the Cities of the Future, valorizing all the knowledge and experience gained.

### **EEA Tender on Framework Design/development for the ‘State of the European Environment’ Assessment 2020 (2017-2020)**

Dr. Frantzeskaki together with Dr. Wittmayer are part of a consortium of 24 universities and Ministries of Environment across 14 European countries in this EEA funded project with the aim to introduce sustainability transitions thinking as the backbone framework for the European Environment Agency’s methodology for assessing the state of Europe’s environment every 4 years. The project team will work in close collaboration with the officers of the European Environment Agency to bring and translate transitions’ knowledge from recent research projects to policy arena and to distill policy relevant messages from transitions’ research. It is a research project with the primary aim to co-produce actionable knowledge for the future environmental policies and governance across Europe. Dr. Niki Frantzeskaki is leading the chapter and charter on urban transitions within the entire consortium.

### **ENABLE (JPI Biodiversity) (2016-2018)**

The ENABLE project aims to evaluate the multiple functions of green and blue infrastructures in cities that went through a socio-economic transition over the past decade by bringing together ecosystem services assessment methods and tools and socio-cultural assessment tools including also mapping perceptions and beliefs about nature in cities. Dr. Frantzeskaki with DRIFT contributed to the proposal writing of the project and participates as self-funded partner in the project and in the German case study of the Halle city by holding a position as a visiting scholar funded by the German Ministry of Research in Humboldt University Berlin in Germany.

### **IMPRESSIONS (EU FP7) (2013-2018) (Role: Workpackage Leader)**

WP leader in the EU FP7 Collaborative Project IMPRESSIONS (2013-2018) on creating new methodologies for achieving societal transformation pathways in the context of extreme climatic scenarios for three urbanizing regions in Europe: Scotland’s middle (Edinburg), Catalan-region (Barcelona) and Central-Europe (entry case to be Budapest, Hungary).

### **URBACT RESILIENT EUROPE (URBACT Project) (2015-2018) (Role: Lead Expert)**

The Resilient Europe project sets a collaborative network of cities across Europe that aim to work together for examining and discovering in a co-production mode what it takes to become more resilient. Eleven cities in Europe will work on deprived neighborhoods to discover and co-create with citizens from these neighborhoods the conditions to make them more resilient socially, economically and ecologically. With the understanding that urban resilience is a multi-faceted challenge, the cities-network actively seeks to unpack the dimensions of resilience in and of cities by looking at how individuals, communities, institutions, businesses and infrastructures along with urban ecosystems address current trends and future transitions. As such, cities will have a more comprehensive understanding of the social, ecological, economic and institutional capacities at present and in the future that will enhance their ability to become resilient.

## **Finished Projects:**

### **ARTS (EU FP7) (2013-2016) (Role: Scientific Coordinator)**

Scientific coordinator of the EU FP7 Collaborative Research Project ARTS (2013-2016) (Accelerating and Rescaling Transitions to Sustainability) with a focus on understanding the way transition initiatives in cities and regions drive the implementation of sustainability agendas and enacting systemic transitions across geographical scales. ARTS project was earmarked as a 'research for policy excellent project' by the European Commission in 2016 and it is an exemplar project for the knowledge co-production process and methodology it established.

### **GUST (JPI Urban Europe) (2014-2017) (Role: Workpackage Leader)**

WP leader working towards a new governance framework that builds from the operation and impact that Urban Living Labs have on local governance for sustainability. The Urban Living Labs approach will be not only the case study ground for this conceptualization but also an action research interface to operationalize the governance framework. Case studies' cities include Rotterdam, Groningen, Utrecht, Lund, Graz, London.

### **SUSTAIN (Erasmus Mundus project) (2013-2016) (Role: Workpackage Leader)**

Module leader for the development of education material on transition management to be used in higher education within European universities of the Erasmus Mundus network and of the international universities that participate in the SUSTAIN project in India, Indonesia and China. SUSTAIN project was earmarked as one of the ten best practice projects for the Erasmus Mundus program due to the excellent outputs produced and the large scale engagement with Indian and Chinese students and master programs.

### **FUTURE EARTH Fast Track Initiative on the theme "What is urban?" (2014-2016)**

The objective of the FTI is to bring together scholars from urban ecology, resilience and transition approaches to work towards a global research agenda for global urban research on sustainability, resilience, livability, innovations and transitions. The intense 4-year collaboration resulted in a landmark book publication entitled "The Urban Planet" that gathers 280 contributing authors to look beyond the state of the art and address future oriented issues and concepts for urban research at planetary level. The book is published in 2018 by Cambridge University Press, is open access and informed agenda processes in UN HABITAT III in Quito in 2016, in the Amsterdam Pact for the European Urban Agenda in 2016 and Nature Sustainability editorial board on considering the urban focus in their scope of papers as well.

### **URBES (ERA-NET Biodiversa project) (2012-2014) (Role: Cluster Leader – 3 Workpackages coordinator and Workpackage Leader) (<http://cbc.iclei.org/About%20URBES>)**

As workpackage leader and Cluster III Leader for the ERA-NET URBES project (2011-2014) on governance for urban resilience with the application of ecosystem services she developed a methodology for knowledge co-production engagement spaces that further led the work for the cities of Berlin, Stockholm, Rotterdam and Barcelona. She led the case study of Rotterdam city, and coordinated the policy-science dialogues of the cities of Berlin and Stockholm. The URBES project resulted in 5 special issues in top ranked journals, more than 60 publications, the Cities and Biodiversity Outlook assessment published in Springer Nature and two spin-off research projects (GREEN SURGE and ENABLE). The greatest achievement of the URBES team is that it actively contributed in framing a research policy topic for the European Commission: renaturing cities with nature-based solutions. The URBES team not only coined the term, introduced the ideas behind and conceptualized it but also actively contributed to the science-policy dialogues at European Union level that institutionalized the term and changed the climate research policy agenda for the years to come.

**MUSIC** (FP7 Interreg) ([www.themusicproject.eu](http://www.themusicproject.eu)) (2010-2014) ([www.themusicproject.eu](http://www.themusicproject.eu))  
MUSIC (Mitigation in Urban Areas: Solutions for Innovative Cities) aims to reduce CO2 emissions by 50% in the partner cities Aberdeen, Montreuil, Gent, Ludwigsburg and Rotterdam by 2030. It is part of the EU-funded Interreg IVB project and will see each of the five cities develop an energy transition vision, strategy and action plan. My role in MUSIC was a WP leader for the FP7 MUSIC project with the responsibility to coach and facilitate the transition pathways development for climate mitigation action in Aberdeen city (2010-2014). With the MUSIC project we produced a film targeting city officers sharing the experience we had in the project: <https://www.youtube.com/watch?v=ue0q7WxWNLw> The Aberdeen city due to the developed energy transition action plan was awarded the Scottish Green Apple Award for its successful and exemplar governance innovation on 2015. Additionally, Dr. Frantzeskaki published one scientific article and 5 book chapters on the MUSIC project that informed the methodology for IMPRESSIONS project and RESILIENT EUROPE project as well.

#### **NGI - Self organization of infrastructure and the role of civil society (2011-2013)**

We conducted in depth case study research in all pioneering self-organised community energy projects across Europe. We selected those community energy projects that were the ‘first’ ones in their countries and investigated the motivations, drivers and enablers and barriers they faced so as to historically map how they transformed local and regional institutions for energy systems’ transitions. The research contributed to follow up projects ARTS, TRANSIT and TRAPEZES that Drift coordinated. The research proposal and project was realized by Dr. Niki Frantzeskaki and Dr. Flor Avelino.

#### **WORLD BANK PROJECT “Global sustainability transitions of our oceans?” (2012-2013)**

Dr. Frantzeskaki contributed to the World Bank Project on “Global Sustainability Transitions” (2012-2013) with a case study on ‘global sustainability transitions of our oceans’ in which she identified the governance mechanisms in place for planetary ‘institutionalisation’ of ocean protection with special focus on overfishing, illegal fishing and human rights in the fishing industry.

#### **RESHARE (EU FP7) ([www.reshare.nu](http://www.reshare.nu)) (2009-2011)**

RESHARE project dealt with community compensation mechanisms from establishing renewables as the energy solutions to sustainability. The case studies mapped communities that resisted the installation of renewable energy projects in their locations and even in close proximity to their locales, and unpacked the main motivations of this resistance. The results informed a suite of financial compensation mechanisms applicable across Europe (considering cultural and socio-political factors) for acceptance and scaling up of renewable energy projects.

#### **Older Projects:**

- **Tender RTD12/0801** (FP7) “Monitoring the FP7 contribution to sustainable development” as member of the TU Delft team (2009)
- “**tempQsim**” (EU FP5) {TEMPQSIM (EVK1-CT-2002-00112) (2002 – 2003)

#### **4. NOMINATIONS**

- **Best Paper Award** for the paper: Bosman, R., Loorbach, D., Frantzeskaki, N., and Pistorius, T., (2013), Regime dynamics in the Dutch energy transition, 4<sup>th</sup> International Conference for Sustainability Transitions, 19-21 June 2013, Zurich, Switzerland ([www.ist2013.ch](http://www.ist2013.ch))

- **Best Paper Award** for the paper: D. Loorbach, N. Frantzeskaki and W.H.Thissen, (2009), A transition research perspective on governance for sustainability, Sustainable Development: A challenge for European Research, EU DG Research, 28-29 May 2009, Brussels, Belgium.
- **Simon Peerdeman Award 2008** for the outstanding contribution to one of the TPM's Education Programs, Products, or Activities: *Using SmartBoards in education, Delft University of Technology*, 28 October 2008.

## 5. EDITED SPECIAL ISSUES

1. Egermann, M., Frantzeskaki, N., and Knippschild, R., Urban Sustainability Transitions: Putting sustainability transitions into socio-cultural and spatial context, Special Issue in **Sustainability**, In Progress (Publication of Issue is foreseen in 2018).
2. Fuenfschilling, L., Frantzeskaki, N., and Coenen, L., Experimentation and Urban Sustainability Transitions, Special Issue in **European Planning Studies**, In Progress (Publication of Issue is Foreseen in 2018).
3. Pereira, L., Karpouzoglou, T., Frantzeskaki, N., and Olsson, P., Transformative Spaces: Designing and Shaping transformations to sustainability and resilience, Special Issue in **Ecology and Society**, In Progress (Publication of Issue is Foreseen in 2018).
4. Harrison, P., Jaeger, J., and Frantzeskaki, N., Understanding high-end climate change: From impacts to co-creating integrated and transformative solutions, Special Issue in **Regional Environmental Change**, In Progress (Publication of Issue is foreseen in 2018)
5. Frantzeskaki, N., and Wittmayer, J., The next waves of sustainability transitions? Awaking the welfare state, **Technological Forecasting and Social Change**, In Progress (Publication of Issue is foreseen in 2017).
6. Frantzeskaki, N., Haase, D., Fragkias, M. and Elmqvist, T, Urban Transformations, Special Issue in **Current Opinion for Environmental Sustainability**, 2016, Volume 22.
7. Tidball, K., Frantzeskaki, N., and Elmqvist, T., (2016), Traps! Expanding thinking on persistent maladaptive states in pursuit of resilience, Special Feature in **Sustainability Science**, Volume 11, Issue 6.  
[http://link.springer.com/journal/11625/11/6?wt\\_mc=alerts.TOCjournals](http://link.springer.com/journal/11625/11/6?wt_mc=alerts.TOCjournals)
8. Frantzeskaki, N., Kabisch, N. McPhearson, T., (2016), Advancing urban environmental governance: Understanding theories, practices and processes shaping urban sustainability and resilience, Special Issue in **Environmental Science and Policy**, Volume 62.  
<http://www.sciencedirect.com/science/journal/14629011/62>
9. Haase, D., Frantzeskaki, N., and Elmqvist, T., (2014), Ecosystem Services in Urban Landscapes, **AMBIO**, May 2014.
10. De Haan, Frantzeskaki, N., Rogers, B.C., and Brown, R., Transitions from the lens of urban water, **Environmental Innovations and Societal Transitions**, Volume 15, June 2015.
11. Koppenjan, J., Frantzeskaki, N., Ryan, N., Loorbach, D., Charles, M., (2012), Governing System Transitions towards Sustainable Development, **International Journal of Sustainable Development**, 2012 Vol 15 Nos ½.
12. Loorbach, D., Frantzeskaki, N., and Thissen, W., (2010), Infrastructures and transitions, **Technological Forecasting and Social Change**, Vol.77, Issue 8.



## 6. PUBLICATIONS IN PEER REVIEW JOURNALS

### **SUBMITTED** (manuscripts can be conditionally shared)

1. Ehnert, F., **Frantzeskaki, N.**, Barnes, J., Borgstrom, S., Gorissen, L., Kern, F., Strenchock, L., and Egermann, M., (2018), The acceleration of urban sustainability transitions: a comparison of Brighton, Budapest, Dresden, Genk and Stockholm, Sustainability, (Submitted: January 2018).
2. Pedde, S., Kok, K., **Frantzeskaki, N.**, Holscher, K., Holman, I., Dunford, R., Smith, A., and Jaeger, J., (2018), Advancing the use of scenarios to understand the society's capacity to act towards achieving the 1.5oC target, Global Environmental Change, (Submitted: January 2018).
3. Von Wirth, T., Fuenfschilling, L., **Frantzeskaki, N.**, and Coenen, L., (2017), Impacts of urban living labs on sustainability transitions: mechanisms and strategies for systemic change through experimentation, European Planning Studies, (Submitted: December 2017).
4. Lam, D.P.M., Martin-Lopez, B., Bennett, E.M., **Frantzeskaki, N.**, Milcu-Horcea, A.I., Wiek, A., and Lang, D.J., (2017), Scaling the impact of local initiatives in sustainability transformations: an amplifying typology, Current Opinion in Environmental Sustainability, (Submitted: October 2017).
5. Holscher, K., **Frantzeskaki, N.**, McPhearson, T., and Loorbach, D., (2017), Examining the capacities to govern sustainability and resilience transformations in New York City, Landscape and Urban Planning, (Submitted: June 2017).
6. Bulkeley, H., Simon J Marvin, Ph.D.; Yuliya Voytenko Palgan, Ph.D.; Kes McCormick, Ph.D.; Marija Breiffuss-Loidl; Qianqing Lindsay Mai, Ph.D.; Timo von Wirth; **Niki Frantzeskaki**, (2017), Urban Living Laboratories: conducting the experimental city?, European Urban and Rural Studies, (Submitted: October 2017).
7. Holscher, K., **Frantzeskaki, N.**, and Loorbach, D., Converging resilience and transitions towards transilience governance, **Submitted in: Environmental Science and Policy**, (Submitted in November 2017)
8. Silvestri, G., and Frantzeskaki, N., Co-creating transition pathways for local sustainability action. A case study from La Botija protected area, San Marcos de Colon, Honduras, **Submitted in: Futures** (Submitted in Janaury 2017).

### **ACCEPTED –FORTHCOMING**

1. **Frantzeskaki, N.**, van Steenbergen, F., and Stedman, R., (2018), Sense of place and experimentation in urban sustainability transitions, The Resilience Lab in Carnisse, Rotterdam, Sustainability Science, (Accepted – Under Second Round of Revisions)
2. **Frantzeskaki, N.**, and Rok, A. (2018), Towards socially robust sustainability transitions' knowledge? On engaging with community, policy and science for collaborative learning on urban sustainability transitions in five European cities, Environmental Innovation and Societal Transitions, (Accepted – Under Second Round of Revisions).

3. Tabara, F., **Frantzeskaki, N.**, Holscher, K., Pedde, S., Lamperti, F., Christensen, J.H., Jaeger, J., and Berry, P., (2018), Positive tipping points in a rapidly warming world, *Current Opinion in Environmental Sustainability*, (Re-Submitted: November 2017).
4. Spira, F., Frantzeskaki, N., Moore, M.L., and Loorbach, D., Conceptualising scaling in sustainability transitions, **Submitted in: Environmental Innovation and Societal Transitions**, (Under Revisions).
5. Bettini, Y., and Frantzeskaki, N., (2018), Agency Dynamics in Transitions: Linking Policy and Practice Learning, **Journal of Environmental Policy and Planning**, Accepted – Forthcoming
6. Van Steenberg, F and **Frantzeskaki, N.**, (2018), The importance of place for urban transition experiments: Understanding the embeddedness of urban living labs, in Marvin et al (Eds), *Governance of Urban Sustainability Transitions*, Routledge – Forthcoming (Submitted: January 2017).

### **PUBLISHED**

- 1 Tábara, J.D., Cots, F., Pedde, S., Hölscher, K., Kok, K., Lobanova, A., Lourenco T.C., **Frantzeskaki, N.**, Ehterington, J. (2018). Exploring Institutional Transformations to Address High-End Climate Change in Iberia. **Sustainability**, 10, 161. doi:10.3390/su10010161.
- 2 Gorissen, L., Spira, F., Meyers, E., Velkering, P., and Frantzeskaki, N., (2018), Moving towards systemic change? Investigating acceleration dynamics of urban sustainability transitions in the Belgian City of Genk, **Journal of Cleaner Production**, **Journal of Cleaner Production** **173**, 171-185. <https://doi.org/10.1016/j.jclepro.2016.12.052>
- 3 Raymond, C.M., **Frantzeskaki, N.**, Kabisch, N., Berry, P., Breil, M., Nita, M.R., Geneletti, D., and Calfapietra, C., (2017), A framework for assessing and implementing the co-benefits of nature-based solutions in urban areas, **Environmental Science and Policy**, 77, 15-24, doi.org/10.1016/j.envsci.2017.07.008
- 4 Valkering, P., Yucel, G., Gebetsroither-Geringer, E., Markvica, K., Meynaerts, E., and **Frantzeskaki, N.**, (2017), Accelerating transition dynamics in city-regions: a qualitative modeling perspective, **Sustainability**, 9, 1254; doi:10.3390/su9071254
- 5 Frantzeskaki, N., Dumitru, A., Anguelovski, I., Avelino, F., Bach, M., Best, B., Binder, C., Barnes, J., Carrus, J., Egermann, M., Haxeltine, A., Moore, M.L., Mira, R.G., Loorbach, D., Uzzell, D., Ommann, I., Olsson, P., Silvestri, G., Stedman, R., Wittmayer, J., Durrant, R., and Rauschmeyer, F., (2016), Elucidating the changing roles of civil society in urban sustainability transitions, **Current Opinion in Environmental Sustainability**, 22, 41-50.
- 6 Frantzeskaki, N., Haase, D., Fragkias, M., and Elmqvist, T., (2016), Urban transitions to sustainability and resilience, **Current Opinion in Environmental Sustainability**, 22, iv-viii.
- 7 Wolfram, M., Frantzeskaki, N., and Maschmeyer, S., (2016), Cities, Systems and sustainability: status and perspective of research on urban transformations, **Current Opinion in Environmental Sustainability**, 22, 18-25.
- 8 Burch, S., Andrachuk, M., Carey, D., Frantzeskaki, N., Schroeder, H., Mischkowski, N., and Loorbach, D., (2016), Governing and accelerating transformative entrepreneurship: exploring the potential for small business innovation on sustainability for urban transitions, **Current Opinion in Environmental Sustainability**, 22, 26-32



- 9 Bulkeley, H., Coenen, L., Frantzeskaki, N., Hartmann, C., Kronsell, A., Mai, L., Marvin, S., McCormick, K., van Steenberg, F., and Palgan Voytenko, Y., (2016), Urban Living Labs: Governing urban sustainability transitions, **Current Opinion in Environmental Sustainability**, 22:13-17.
- 10 Christopher Luederitz, Niko Schöpke, Arnim Wiek, Daniel J Lang, Matthias Bergmann, Joannette J Bos, Sarah Burch, Anna Davies, James Evans, Ariane König, Megan A Farrelly, Nigel Forrest, Niki Frantzeskaki, Robert B Gibson, Braden Kay, Derk Loorbach, Kes McCormick, Oliver Parodi, Felix Rauschmayer, Uwe Schneidewind, Michael Stauffacher, Franziska Stelzer, Gregory Trencher, Johannes Venjakob, Philip J Vergragt, Henrik von Wehrden, Frances R Westley, (2017), Learning through evaluation – A tentative evaluation scheme for sustainability transition experiments, **Journal of Cleaner Production**, 169, 61-76. <https://doi.org/10.1016/j.jclepro.2016.09.005>
- 11 Loorbach, D., **Frantzeskaki**, N., and Avelino, F., (2017), Sustainability Transitions Research: Transforming Science and Practice for Societal Change, **Annual Review of Environment and Resources**, Vol. 42, 599-626, [doi.org/10.1146/annurev-environ-102014-021340](https://doi.org/10.1146/annurev-environ-102014-021340).
- 12 Haase, D., Kabisch, S., Haase, A., Andersson, E., Banzhaf, E., Baro, F., Brenck, M., Fischer, L.K., Frantzeskaki, N., Kabisch, N., Krellenberg, K., Kremer, P., Kronenberg, J., Larondelle, N., Mathey, J., Pauleit, S., Ring, I., Rink, D., Schwarz, N., and Wolf, M., (2017), Greening cities - To be socially inclusive? About the alleged paradox of society and ecology in cities, **Habitat International**, 64, 41-48, <http://dx.doi.org/10.1016/j.habitatint.2017.04.005>
- 13 Larondelle, N., Frantzeskaki, N., and Haase, D., (2016), Mapping transition potential with stakeholder and policy-driven scenarios in Rotterdam City, **Ecological Indicators**, 70, 630-643, <http://doi.org/10.1016/j.ecolind.2016.02.028>
- 14 Díaz, P., Stanek, P., Frantzeskaki, N., Yeh, D.H., (2016), Shifting paradigms, changing waters: A Case for Transitioning to Integrated Urban Water Management in the Coastal City of Dunedin, USA, **Sustainable Cities and Societies**, 26, 555-567 <http://doi.org/10.1016/j.scs.2016.03.016>
- 15 Keith Tidball, Niki Frantzeskaki & Thomas Elmqvist, (2016), Traps! An introduction to expanding thinking on persistent maladaptive states in pursuit of resilience, **Sustainability Science**, 11(6), 861-866, DOI 10.1007/s11625-016-0398-9
- 16 Frantzeskaki, N., Kabisch, N., and McPhearson, T., (2016), Advancing urban environmental governance: Understanding theories, practices and processes shaping urban sustainability and resilience, **Environmental Science and Policy**, 62, 1-6.
- 17 Frantzeskaki, N., and Kabisch, N., (2016), Designing a knowledge co-production operating space for urban environmental governance – Lessons from Rotterdam, the Netherlands and Berlin, Germany, **Environmental Science and Policy**, 62, 90-98.
- 18 Frantzeskaki, N., Jhagroe, S., and Howlett, M., (2016), Greening the state? The framing of sustainability in Dutch infrastructure governance, **Environmental Science and Policy**, 58, 123-130.
- 19 Frantzeskaki, N., Grin, J., and Thissen, W., (2016), Drifting between transitions, The case of the Greek environmental transition in relation to the river Acheloos Diversion project, **Technological Forecasting and Social Change**, 275-286, DOI information: 10.1016/j.techfore.2015.09.007.

- 20 Poustie, M., Frantzeskaki, N., and Brown, R., (2016) A transition scenario for leapfrogging to a sustainable urban water future in Port Vila, Vanuatu, **Technological Forecasting and Social Change**, Volume 105, April 2016, pp. 129–139 doi:10.1016/j.techfore.2015.12.008.
- 21 Kabisch, N., Frantzeskaki, N., Artmann, M., Davis, M., Haase, D., Knapp, S. Korn, H., Naumann, S., Pauleit, S., Stadler, J., Zaunberger, K., Bonn, A. et al. (2016), Nature-based solutions to climate change mitigation and adaptation in urban areas –perspectives on indicators, knowledge gaps, opportunities and barriers for action, **Ecology and Society**, 21 (2):39. [online] URL: <http://www.ecologyandsociety.org/vol21/iss2/art39/>
- 22 Wolfram, M., and Frantzeskaki, N. (2016), Cities and Systemic Change for Sustainability: Prevailing Epistemologies and an Emerging Research Agenda, **Sustainability**, 8, DOI: 10.3390.
- 23 Kremer, P., Z. Hamstead, D. Haase, T. McPhearson, N. Frantzeskaki, E. Andersson, N. Kabisch, N. Larondelle, E. L. Rall, A. Voigt, F. Baró, C. Bertram, E. Gómez-Baggethun, R. Hansen, A. Kaczorowska, J.-H. Kain, J. Kronenberg, J. Langemeyer, S. Pauleit, K. Rehdanz, M. Schewenius, C. Van Ham, D. Wurster and T. Elmqvist. (2016), Key insights for the future of urban ecosystem services research. **Ecology and Society** 21 (2):29. [online] URL:<http://www.ecologyandsociety.org/vol21/iss2/art29/>
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## 7. BOOKS AND BOOK CHAPTERS

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18. Jill Jäger, Neeyati Patel, Vladimir Ryabinin, Pushker Kharecha, James Reynolds, Lawrence Hislop, Johan Rockström, Andrew Githeko, Pauline Dube, **Niki Frantzeskaki**, Derk Loorbach, Jan Rotmans, Genrikh Alekseev, Benjamin Gaddis, Jiansheng Ye, (2012), Chapter 7- An earth system perspective, **GEO-5. UNEP GEO** (Global Environmental Outlook) pp. 193-214 [download: [http://www.unep.org/geo/pdfs/geo5/GE05\\_report\\_C7.pdf](http://www.unep.org/geo/pdfs/geo5/GE05_report_C7.pdf)]
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20. V.Gekas, **N.Frantzeskaki** and E. Katsivela, (2002), Toxic and hazardous waste management, **Tziolas Publications** (*Book in Greek*).

### **Book reviews published in peer-reviewed journals**

1. Frantzeskaki, N., (2010), "Governance for the environment, New perspectives, Magali A. Delmas, Oran R. Young, (Eds.), 2009, Cambridge University Press", **Ecological Economics, Book Review**, Vol.69, Issue 9, pp. 1883-1884.
2. Frantzeskaki, N., and W.Thissen, (2009), "Rationality and the environment, Decision-making in Environmental Politics and Assessment, Bo Eling, Earthscan London, 2008, ISBN-13: 978-1-84407-524-9, 281 pp.", **Ecological Economics**, Vol. 68, Issue 4, **Book Review**, pp.1270-1272.
3. Frantzeskaki, N., (2009), "Punctuated Equilibrium and the Dynamics of U.S. Environmental Policy, Robert Repetto (Editor), Yale University Press, New Haven and London, 2006. ISBN-13: 978-0-300-11076-0, 292 pp.", **Ecological Economics**, Vol. 68, Issue 4, **Book Review**, pp.1269-1270.

### **8. SUPERVISION OF DOCTORAL CANDIDATES**

Daily Supervisor of MSc. Katharina Holscher on her doctorate research with the IMPRESSIONS project on transition pathways for socio-economic and socio-ecological resilience. Expected doctorate graduation in 2017. Promotor is Prof. Derk Loorbach.

Supervisor of MSc Pacia Hernandez, University of South Florida, Department of Civil & Environmental Engineering, USA, for research on innovations in sustainable urban water governance to promote sustainability in USA and Spain. Expected doctorate graduation in 2016.

### **PHD EXAMINATION COMMITTEES**

**2016 – Megan Davies MPhil** – Examiner in MPhil Examination committee, Stellenbosch Institute for Sustainability, South Africa on the topic of urban governance for energy transitions.

**2015 - Patience Mguni** - Examiner in PhD Examination committee, Copenhagen University, Denmark on the topic of urban water transitions.

**2014** – Examiner in PhD Examination committee of **MSc. Pacia Hernandez**, University of South Florida, Department of Civil and Environmental Engineering on the topic of Urban Water Transitions in Dunedin, Florida. Principal Supervisor Prof. Daniel Yeh, Associate



Professor in the Department of Civil and Environmental Engineering (Defense of PhD mid-term evaluation was realized at the 03.04.2014)

### **9. SCIENTIFIC EXPERT COMMITTEES**

2016 - Co-Chair of the **Scientific Expert Group on nature-based solutions for climate resilience in cities** with the EKLIPSE mechanism ([www.eklipse-mechanism.eu](http://www.eklipse-mechanism.eu)). Applied and selected to be one of the three co-chairs of the expert group with the task to set up an evaluation framework for large-scale demonstrating projects of nature-based solutions in cities. The task at hand also involved synthesis of inputs from other experts and facilitation of peer review comments from other experts in the field into a positioning report on impact and indicators for a holistic evaluation of nature-based solutions. The activities of the Scientific Expert Group lasted from August to December 2016. The work resulted in a scientific report to the European Commission and in a peer reviewed article.

### **10. KEYNOTES**

*Invited keynote speaker at:*

1. 10.02.2017 – Energy Transitions Symposium, Helsinki, Finland. Niki Frantzeskaki presented the work on transition management in cities as a method for instigating transformative thinking and transformative agendas for urban action. In the symposium, advisors of the Finnish Ministry of Energy and Prime Minister’s Strategic Office were present and invited to be consulted.
2. 05.07.2016 - 3rd Open European Day, Bonn, Germany. Niki Frantzeskaki participated in presenting findings from ARTS co-production process across all the regions as an approach to connect research, policy and community in a session organized by the EEA under the Theme 3 ‘Climate services: Producing, transferring and using climate knowledge’, Session 3C responding to the question “How can cities set up a co-creation process for acquiring resilience knowledge and who should they involve?”. The Open European Day gathered around 200 city officers and researchers on cities across Europe.
3. 02-03.03.2016 Urban Future Global Conference, Graz, Austria ([www.urban-future.at](http://www.urban-future.at)) - Niki Frantzeskaki gave a keynote presentation on ‘Urban Sustainability Transitions’ with a focus on how cities play a role in testing and facilitating practices and solutions for sustainability, and resilience considering low-carbon performance. The session was entitled “Facilitating the transition towards sustainable cities”, 2<sup>nd</sup> March 2016 at 11:00-12:30. The conference brought together 2,000 participants mainly city officers and officers from cities’ development agencies.
4. Frantzeskaki, N., (2015), Nature-based solutions as disruptive innovations for urban sustainability transitions, Nature-Based Solutions Conference of the German Ministry of Environment –17-19 November 2015 in Bonn, Germany (300 people).
5. Frantzeskaki, N., (2015), Urban sustainability transitions, Keynote in Urban Futures symposium at Lund University, Sweden, 27 May 2015.
6. Frantzeskaki, N., (2015), Urban sustainability transitions, Joint Program Initiative Urban Europe, Brussels Conference –28-29 September 2015 (200 people).
7. Frantzeskaki, N., (2014), Urban Sustainability Transitions, Keynote in Seminar of the Volvo Environment Prize Award 2014 themed “Global Social-Ecological Connectivity and the Biosphere”, Thursday 27 November 2014, The Royal Swedish Academy of Science, Stockholm, Sweden.

8. Frantzeskaki, N., (2013), What is in for urban sustainability in Rotterdam? Keynote in URBAN NEXUS conference in Goteborg, Sweden, 10-11 April 2013.
9. Frantzeskaki, N., (2011), Sustainability Transitions in Urban Spaces, Complexity and Policy Dynamics, Invited Presentation at VITO, Belgium, 20 September 2011
10. Frantzeskaki, N., (2010), Transitions to sustainable development: Paradigm, Practice, Propositions and Potential, Invited Presentation for: Session V: Sustainability Science Education, 2nd International Conference on Sustainability Science, 23-25 June 2010, Rome, Italy

### **11. REVIEWER IN JOURNALS**

- AMBIO
- Global Environmental Change
- Technological Forecasting and Social Change
- Ecology and Society
- Environmental Policy and Science
- Environmental Innovation and Societal Transitions
- Environment and Planning C: Government and Policy
- Energy Policy
- Energy Research and Social Science
- Journal of Cleaner Production
- Sustainability Science
- Land Use Policy
- Cities
- Building Environment
- Environmental Policy and Planning
- Sustainability
- Smart and Sustainable Build Environment

### **12. REVIEWER OF RESEARCH PROJECTS – EXPERT REVIEWER UPON INVITATION**

April 2016	Formas Evaluation Panel for Sustainable Building and Planning 2016 External reviewer for submitted research proposals.
January 2015	FP7 TURAS project External reviewer invited by European Commission to the FP7 Project TURAS ( <a href="http://www.turas-cities.org">http://www.turas-cities.org</a> )
February 2015	WWW4Europe project External reviewer invited by Project Coordinator to review deliverables of mid-term progress of the WWW4 Europe Project (THEME SSH.2011.1.2-1) ( <a href="http://www.foreurope.eu">http://www.foreurope.eu</a> ) (Reference Person: Martina Einsiedl, WIFO, Austrian Institute for Economic Research Vienna – <a href="mailto:martina.einsiedl@wifo.ac.at">martina.einsiedl@wifo.ac.at</a> )
April 2015	Second UCCRN Assessment Report on Climate Change and Cities (ARC3-2) External reviewer to the Governance and Policy Chapter of the ARC3-2 Report. The ARC3-2 Report is a key product of the Urban Climate Change Research Network (UCCRN), a consortium of more than 580 researchers in developed and developing country cities around the world working to enhance science-based decision-making on climate and related sustainability issues in cities. UCCRN's first major publication was the First UCCRN Assessment Report on Climate Change and Cities (ARC3) (Cambridge University Press, 2011, <a href="http://uccrn.org/publications/">http://uccrn.org/publications/</a> ).
March 2014	Reviewer for the JPI Climate research proposals.
March 2014	Evaluator of the LUCSUS Group of Lund University on the Research Quality Assessment (RQ14) for year 2014. The review included a panel discussion with faculty members, evaluation of research and education programs of the LUCSUS center and drafting a 10-pager assessment and evaluation report with 4 other evaluators.

### 13. POLICY IMPACT & ADVICE REPORTS

- Contributed to the Policy Booklet on High-End Climate Change in 2017 to European Commissions DG Environment on the impacts' assessment of climate change in the urban environment in Europe. The inputs were based on the scientific analysis of inputs from a series of participatory workshops at European level, and at regional level in Hungary, Scotland and Iberia. All regional level workshops were conducted with an urban to rural cross scale focus.
- Contributed to the Climate Adaptation in Cities report of the European Environment Agency in 2016 that was presented in the Open European Day high-level policy event in Bonn, Germany. In this report for the first time, the clear focus on cities and their role in exemplifying and trialing climate solutions including nature based solutions is given. The Climate Adaptation report is used as a base report for climate agendas in cities across all Europe.
- As a co-chair of the Expert Committee for nature-based solutions for climate resilience in cities with EKLIPSE in 2016, we produced a science to policy report that informs the evaluation framework for the application of nature-based solutions in cities in Europe. The evaluation framework as presented in great detail in the report now informs a number of innovation action projects funded by the European Commission's Horizon 2020 program like CONNECTING Nature.
- Co-produced a Dialogues' brief on nature-based solutions from the EU-Brazil Sectoral Dialogues in 2016 that was presented and disseminated in the UN Habitat Conference held in Quito, in 2016 and also in a pan-European conference on social-ecological innovations for cities that was organized with a joint effort of five European research projects on urban sustainability: ARTS, TESS, PATHWAYS, TESS, CATALYSE and GUST.
- Contribution to the IPBES chapter on urban ecosystem services and sustainability pathways in 2017. Also being part of the urban team on the GEO-6 United Nations Environment Program in 2016 with inputs specifically on climate adaptation and nature-based solutions.
- Frantzeskaki, N., (2014), Navigating transitions to urban resilience in Rotterdam, URBES Strategy Report.
- Avelino, F., Bosman, R., Frantzeskaki, N., Akerboom, S., Boontje, P., Hoffman, J., Paradies, G., Pel, B. Scholten, D., and Wittmayer, J. (2014) The (Self-)Governance of Community Energy: Challenges & Prospects. DRIFT PRACTICE BRIEF nr. PB 2014.01, Rotterdam: DRIFT (<http://www.drift.eur.nl/?p=7595>)
- Frantzeskaki, N., Win, A., Laing, D., McCorquodale, S., Leslie, A., Smith, A., and Paterson, I., (2012), MUSIC for sustainable Aberdeen: Report on Workshop Outputs, Volume 1, 18 July 2012, Aberdeen City Council and MUSIC project.
- Poustie, M., Frantzeskaki, N., Deletic, A., and Brown, R., (2012), Port Vila's transition to sustainable urban water management, Workshop Series Report, November 2012.
- Frantzeskaki, N., Ferguson, B.C., Skinner, R. and Brown, R.R. (2012) Guidance Manual: Key steps for implementing a strategic planning process for transformative change. *Dutch Research Institute For Transitions, Erasmus University Rotterdam. Monash Water for Liveability, Monash University, Melbourne, August 2012, ISBN 978-1-921912-14-6.*
- Ferguson, B.C., Frantzeskaki, N., Skinner, R. and Brown, R.R. (2012) Melbourne's Transition to a Water Sensitive City: Recommendations for Strategic Action. *Monash*

*Water for Liveability, Monash University, Melbourne, Australia.* ISBN 978-1-921912-13-9.

- Ferguson, B.C., Frantzeskaki, N., Skinner, R. and Brown, R.R. (2012) Melbourne's Transition to a Water Sensitive City: Yarra Valley Cluster Workshop Series. *Dutch Research Institute For Transitions, Erasmus University Rotterdam. Monash Water for Liveability, Monash University, Melbourne, August 2012*, ISBN 978-1-921912-16-0.
- Ferguson, B.C., Frantzeskaki, N., Skinner, R. and Brown, R.R. (2012) Melbourne's Transition to a Water Sensitive City: South East Cluster Workshop Series. *Dutch Research Institute For Transitions, Erasmus University Rotterdam. Monash Water for Liveability, Monash University, Melbourne, August 2012*, ISBN 978-1-921912-15-3.
- Environmental Impact Assessment Study entitled "Observation and Modeling of the Environmental Intrusions (Odour Intrusion) of Wastewater Treatment Plant in Chania, Crete, Greece", employed by the Board of Enquiry of Kumpeli Region (NGO Association), Chania (July - September 2000).

## 14. CREATIVE OUTPUTS

A **film** entitled "The transition to urban resilience: Rotterdam" is created in cooperation with filmmaker Gijs Maas, while the script and video outline was by Dr.Chantal van Ham (IUCN, Brussels Office) and Dr. Niki Frantzeskaki. The film can be viewed here: <http://youtu.be/F6dKmB6dRLU>

This film has won a competition with the World Bank Climate4Change initiative in July 2014 among 230 competing films on climate change and climate adaptation. The photos and interactive map can be checked here: <http://connect4climate.org/blog/action4climate-on-times-square>

Since October 2014 it was also put up and selected in ecowatch.com receiving great attention in social media.

EcoWatch: <http://ecowatch.com/2014/10/29/transitioning-urban-resilience/>

A **city focus page** on IUCN's website on cities and biodiversity that explains the URBES research findings for the city of Rotterdam for non-academic audiences:

[http://www.iucn.org/about/union/secretariat/offices/europe/resources/urbes\\_city\\_focus/](http://www.iucn.org/about/union/secretariat/offices/europe/resources/urbes_city_focus/)

## 15. INTERNATIONAL COLLABORATIONS

In 2011-2012 she was a visiting academic with Monash University, **Australia** at the Monash Water for Livability research institute where she was involved in two international projects: the Future Visions project "Melbourne's Transition to a Water Sensitive City" and a Strategy Project in the **Pacific Islands** (see next paragraph).

Thinking and acting on sustainability transitions research beyond developed countries, she has been involved in a variety of small-scale research projects of **sustainability transitions in developing countries**: (a) the AustralianAid funded project "Port-Vila's transition to sustainable urban water management" in **Vanuatu, Pacific Islands** in which she co-led the transition workshops research stream (2012), (b) research on the historical pathways of the urban water and

hygiene sector in **Ghana** with an emphasis on how community organizations steered and institutionalized good governance practices (2013-2014) (c) transdisciplinary research in collaboration with the University of Madrid and University of Pisa on creating transformative agendas for sustainable water management in rural communities applying a tailored transition management process in **Honduras** (February-September 2014) and (d) research on unraveling what drives indigenous communities to transform practices, structures and perceptions during post-disaster in **Vermont, USA** in collaboration with Stockholm Resilience Center, University of Stockholm (2013-2014).

Looking at *global transitions and how to steer processes and efforts for global sustainability*, she was involved in the World Bank Project on “Global Sustainability Transitions” as a coordinator for the case study on Transitions in Global Fisheries and Ocean Governance (2012-2013). Currently, she is involved as a scientific advisor and reviewer to the SDG process (Sustainable Development Goals at Global Scale) for Central Europe under the coordination of Central European University in Budapest, Hungary (2014-2015).

A transdisciplinary researcher in an *international arena and with active international collaborations*, Niki is supervising phd researchers, co-writing papers and co-editing special issues, and enacting sustainability transitions research with scholars from top-level research universities. Among those are the following:

- Cornell University, Department of Natural Resources and Laboratory of Urban Sociology, **USA**: *a visiting academic from 2014 (first visit in April 2014) and co-edited a special issue on institutional traps in Sustainability Science. Collaboration with Prof. Rich Stedman continues.*
- New York School, Department of Urban Ecology, **USA**: *co-edited two special issues and co-authoring a number of papers with the professors of the department. Involved as a European partner in a National Science Foundation research project on urban resilience that started 1st of July 2015.*
- University of South Florida, Department of Civil & Environmental Engineering, **USA**: *co-supervising the PhD researcher Pacia Hernandez for research on innovations in sustainable urban water governance to promote sustainability in USA and Spain*
- Stockholm Resilience Center, Stockholm University, **Sweden**: *co-supervising Master of Science students and PhD researchers with Dr. Per Olsson and Prof. Thomas Elmqvist.*
- Yonsei University Seoul, **Korea**: *co-authoring papers and launching a new journal with Professor Marc Wolfram.*
- University of Waterloo, Department of Geography and Environmental Management, **Canada**: *cooperating in Canadian funded research on governance for urban sustainability transitions – GATE project. The kick-off of the project was realized at Drift, the Netherlands from 6-7<sup>th</sup> of July 2015.*

Present in social media with a focus on spreading the word for the need of transdisciplinary and interdisciplinary research work for sustainability transitions, Niki's **LinkedIn professional profile was amongst the top 10% most viewed and globally visited in 2013, 2014 and 2016**. To further connect with peers and researchers, Niki has active social media presence also in **Research Gate where she achieved top status in 2015, 2016 and 2017**.

## **16. EDUCATION**

### **16.1 Lectures and educational workshops**

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<b>2017</b>	<b>Lecture on urban resilience and sustainability transitions</b> for MSc class students visiting Rotterdam from Department of Geography, <b>University of Victoria, Canada.</b>
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	Contact person and field trip supervisor Dr. Cameron Owens (26 May 2017)
2015	<b>Lecture in the Master of Environmental Governance, Freiburg University, Germany</b> , “Transition Management in and for Cities”, in the Module “Urban Sustainability Transitions”, invited by Dr. Philip Spaeth. (13.January.2017)
	<b>Lecture on Sustainability Transitions and Transition Management for cities to University of Alabama Birmingham, USA</b> MSc students, that visited Rotterdam. The full day lecture workshop was realized in May 2015 in Rotterdam, Dakkakers facilities. The supervising and contact persons for this lecture are Prof. Diane C Tucker and Prof. Cynthia Ryan, University of Alabama Birmingham, USA. (8 May 2015).
	<b>IHS – Urban Studies Group; Lecture on Urban Resilience and Environmental Governance for Cities</b> (18 June 2015)
	<b>DAAD Webinar „Sustainable Living and Housing“</b> – Lecture on “Urban Sustainability Transitions”. (26.November.2015) (DAAD – Deutscher Akademischer Austauschdienst), Webinar was uploaded on: <a href="http://www.alumniportal-deutschland.de/group-sustainability-webinar">http://www.alumniportal-deutschland.de/group-sustainability-webinar</a> <a href="http://www.daad.de">www.daad.de</a>
	<b>Lecture on Erasmus University Rotterdam Business School</b> , on Sustainability transitions and transition management, invited by Assistant Professor Steve Kennedy (23.September 2015)
2014	<b>Lecture in the Master of Environmental Governance, Freiburg University, Germany</b> , “Transition Management in and for Cities”, in the Module “Urban Sustainability Transitions”, invited by Dr. Philip Spaeth. (02.February.2015)
	<b>Lecture on Central European University, Hungary</b> on Sustainability Transitions and Transition Management (3 <sup>rd</sup> February 2014)
	Lecture on Sustainability Transitions and Transition Management: Cases from Europe and Australia, <b>Master Program on Sustainability Science, LUCSUS, Lund University</b> (13.January.2015)
	<b>Lecture on Erasmus University Rotterdam Business School</b> , on Transition Management in Urban Areas: Bringing pioneers from policy, society and business to co-create transformative agendas for action (23 <sup>rd</sup> September 2014)
2013	<b>Lecture on Central European University, Hungary</b> on Sustainability Transitions and Transition Management (4 <sup>th</sup> March 2014)
	<b>IHS – Urban Studies Group; Lecture on Environmental Governance for Cities: Resilience and Transitions for Climate Change</b> (10 March 2014)
	Lecture on Sustainability Transitions and Transition Management: Cases from Europe and Australia, <b>Master Program on Sustainability Science, LUCSUS, Lund University</b> (3 <sup>rd</sup> December 2013)
	<b>IHS – Urban Studies Group; Lecture on Ecosystem Services and Urban Resilience for Climate Change</b> (June 2013)
	<b>Lecture on Wageningen University, The Netherlands</b> , Environmental Management Master of Science Program on Sustainability Transitions and experience with Transition Management processes in international contexts (February 2013)
<b>Lecture on Central European University, Hungary</b> on Sustainability Transitions and Transition Management, MSc Class on ‘Sustainable Development and Global Transitions’, Department of Environmental Sciences and Policy, Central European University, Budapest, Hungary (19 March 2013)	
<b>IHS-Urban Studies Group of RSM Erasmus University</b> : Lectured on Urban Transitions (6 <sup>th</sup> February 2013)	
Jury in the <b>International Environment &amp; Scientific Project Olympiad</b> (20 <sup>th</sup> April 2013, Amsterdam)	



2011	<b>IHS-Urban Studies Group of RSM Erasmus University:</b> Lectured on Urban Transitions with Derk Loorbach and Flor Avelino
2010	Lecture on Sustainability Transitions and Transition Management, <b>Master Program on Sustainability Science, LUCSUS, Lund University</b> – 4 hours seminar and interactive workshop at Lund University <b>Lecturer &amp; Workshop Facilitator:</b> Lecturing for 7 (of the total 9) theory lectures Coordinating the collaborative workshops for conceptual modeling throughout the course of the Master course Epa1112 Principles of Policy Analysis, of the Master of Science Program Engineering and Policy Analysis, Faculty of Technology, Policy and Management, Delft University of Technology, The Netherlands. The course takes place in 14 weeks in total.
2009	<b>Lecturer &amp; Workshop Facilitator:</b> Coordinating the collaborative workshops for conceptual modeling throughout the course Introduction to Policy Analysis (code epa1111) of the Master of Science Program Engineering and Policy Analysis, Faculty of Technology, Policy and Management, Delft University of Technology, The Netherlands. In total there were 6 workshops requiring 12 hours teaching and the respective of 60 hours of preparation and reports correction/providing feedback for the quarter (8 weeks).  Organization and set-up/formulation of the <b>Education Research Proposal</b> under the theme <b>1000-Flowers in Delft:</b> “Intercultural Reflective Workshop in the series of collaborative workshops of the epa1111 Introduction to Policy Analysis course. Theme: It is a matter of style - What is the dominant policy style adopted in different cultural settings?” Team: De Haan, A., Frantzeskaki, N., Di Ruggero, O., Kolfshoten, G. (Proposal is accepted, and the project runs for 2008-2010).
2006	<b>Lecturer:</b> Teaching during week 6 and 7 for Introduction to Policy Analysis Course (code epa1111) of the Master of Science Program Engineering and Policy Analysis, Faculty of Technology, Policy and Management, Delft University of Technology, The Netherlands (Academic years 2006 and 2007)
2001	<b>Teaching assistant</b> and preparation of educational notes for the course “Food quality and Technology” of the 7 <sup>th</sup> Semester, Laboratory of Transport Phenomena and Applied Thermodynamics, Department of Environmental Engineering, TUC (September 2001 - January 2002), TUC, Greece.
2001	<b>Teaching assistant</b> and preparation of educational notes for the course “Toxic & Hazardous Waste Management”, 8 <sup>th</sup> Semester, Laboratory of Transport Phenomena & Applied Thermodynamics, Department of Environmental Engineering, TU Crete (February - May 2001), TU Crete, Greece.

### **16.2 Supervision & Graduation of Master of Science Students**

1. **Co-supervisor** for Master Thesis of **Julie Budiasih** (2016) (Institute of Housing and Urban Studies, Erasmus University Rotterdam, The Netherlands) together with Dr. Stelios Grafakos on the topic of frontrunning cities in Indonesia on climate adaptation strategies and strategy implementation (Graduated July 2016).
2. **Co-supervisor** for Master Thesis of **Erika Boeing** (Maastricht University, Faculty of Arts and Social Sciences, The Netherlands) together with Jessica Mesman (Director of Studies ESST) on the topic of community initiatives for renewable energy in the Netherlands, (Graduated July 2015)
3. **Co-supervisor** for Master Thesis of **Silvana Lefel** (Erasmus Business School, Erasmus

University Rotterdam, The Netherlands), Master Program: Global Business and Stakeholder Management in co-supervision with Dr. Amanda Williams (RSM, EUR), on "The transition management cycle of the Rotterdam building sector" (Graduated in July 2015)

4. **Principal supervisor for Master Thesis of Steffen Maschmeyer** (Freiburg University, Environmental Governance Master of Science project in co-supervision with Prof. Philip Spaeth) on "Gardening for sustainability transitions: the case of urban agriculture in the City of Freiburg" (Graduated in October 2014)
5. **Co-supervision for Master Thesis of Darin Wahl** (Stockholm Resilience Center, Stockholm University, Sweden) with Dr. Per Olsson on "Transformative capacities of local communities post disaster" (Graduated in November 2014 with honors)
6. **Principal supervisor for Master Thesis of Giorgia Silvestri** (Erasmus Student from University of Pisa, Environmental Science Master of Science Program) on "Transition Management in Honduras" (graduated in July 2014 with honors)
7. **Principal supervisor for Master Thesis of Sophie Buchel** (Wageningen University, Environmental Management Master of Science program) on "User perception of ecosystem services in the urban parks of Rotterdam" (graduated May 2013 with honors)
8. **Principal supervisor for Master Thesis of Eva Agana** (IHS, Erasmus University Rotterdam) on "The role of community organisations in accelerating the water sector transition in Ghana" (graduated in August 2013 with honors)
9. **Principal supervisor for Master Thesis of Anteneh Getnet** (Utrecht University, Sustainability and Sustainable Energy Systems Master of Science) on "The drivers of sustainable mobility systems in megacities: A comparative analysis for drivers to leapfrog to sustainable mobility systems in Bangalore (India) and Jakarta (Indonesia) to " (graduated in September 2013)
10. **Supervisor for Master Thesis of Suzanne Maas** on "A system analysis methodology for Urban Transition Management: Theory and Application in Ghent, Belgium" – Graduated in July 2011 / Wageningen University, The Netherlands
11. **Principal supervisor for Master Thesis of Imelda Simanjuntak** on "Flood defense policy implementation in Jakarta, Indonesia". Graduated in August 2010 / TU Delft, Faculty of Technology, Policy and Management.
12. **Principal supervisor for Master Thesis of Shahnaz Zaforholi** on "Actor Network Analysis of the Electricity Market in the Netherlands". Graduated in August 2009 / TU Delft, Faculty of Technology, Policy and Management

### ***16.3 Certification of Educational proficiency***

#### **2009 BKO Modules for the Educators - TU DELFT, The Netherlands**

Module 2: Project-orientation learning and the role of the coach. (Completed on February 2009).

Module 5: International diversity in educational settings (Completed on September 2009).

## 16.4 Lectureships

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- 2010**      **Lecturer & Workshop Facilitator:** Lecturing for 7 (of the total 9) theory lectures Coordinating the collaborative workshops for conceptual modeling throughout the course of the Master course Epa1112 Principles of Policy Analysis, of the Master of Science Program Engineering and Policy Analysis, Faculty of Technology, Policy and Management, Delft University of Technology, The Netherlands. The course takes place in 14 weeks in total.
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- 2009**      **Lecturer & Workshop Facilitator:** Coordinating the collaborative workshops for conceptual modeling throughout the course Introduction to Policy Analysis (code epa1111) of the Master of Science Program Engineering and Policy Analysis, Faculty of Technology, Policy and Management, Delft University of Technology, The Netherlands. In total there were 6 workshops requiring 12 hours teaching and the respective of 60 hours of preparation and reports correction/providing feedback for the quarter (8 weeks).
- Organization and set-up/formulation of the **Education Research Proposal** under the theme **1000-Flowers in Delft:** “Intercultural Reflective Workshop in the series of collaborative workshops of the epa1111 Introduction to Policy Analysis course. Theme: It is a matter of style - What is the dominant policy style adopted in different cultural settings?” Team: De Haan, A., Frantzeskaki, N., Di Ruggero, O., Kolfschoten, G. (Proposal is accepted, and the project runs for 2008-2010).
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- 2006**      **Lecturer:** Teaching during week 6 and 7 for Introduction to Policy Analysis Course (code epa1111) of the Master of Science Program Engineering and Policy Analysis, Faculty of Technology, Policy and Management, Delft University of Technology, The Netherlands (Academic years 2006 and 2007)
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- 2001**      **Teaching assistant** and preparation of educational notes for the course “Food quality and Technology” of the 7<sup>th</sup> Semester, Laboratory of Transport Phenomena and Applied Thermodynamics, Department of Environmental Engineering, TUC (September 2001 - January 2002), TUC, Greece.
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- 2001**      **Teaching assistant** and preparation of educational notes for the course “Toxic & Hazardous Waste Management”, 8<sup>th</sup> Semester, Laboratory of Transport Phenomena & Applied Thermodynamics, Department of Environmental Engineering, TUC (February - May 2001), and TUC, GREECE.