

TOD-IS-RUR Network wide training events and conferences

The first TOD-IS-RUR training event “Kick-off meeting and initial training days”

October -November 2021

First network-wide training event summary

Year:	2021
Project month:	10
Instruction language:	English
Organizers:	University of Antwerp
Non-academic partners	Antwerp Management School

Aim and program description

The ‘Kick off meeting and initial training days’ aims to lay the groundwork for the common TOD-IS-RUR framework. The **kick-off meeting** on the 5 October is structured around three introduction sessions, focusing on (i) getting to know, and interact within, the TOD-IS-RUR network, (ii) the training program, with attention to expectations and input of the ESRs, and (iii) a brainstorm about the research program, discussing collaboration within the different WPs more specifically. The initial training days consist of thematic seminars about key concepts (October) and transferable skills workshops (November). The **three thematic seminars** on 13, 22 and 27 October aim to convey and jointly elaborate the shared research problem and conceptual framework that guides all individual ESR projects. Two **transferable skills workshops** in November will be organized in collaboration with the AMS, in which communication skills are linked to stakeholder management. ESRs will work on the role of soft power, shared value creation, and adaptive communication in the mobilization of stakeholders.

For the kick-off meeting, thematic seminars and transferable skills workshops, assignments for ESRs are defined and explained at the kick-off meeting.

For the program of all sessions, see below.

Outcomes

By the end of kick of meeting and initial training days, ESRs will be able to:

- Meet other ESRs and scholars and learn to create (an online) community
- Acquire the basic elements of the common TOD IS RUR approach
- Engage in joint discussion and share your ideas
- Understand the shared research problem and conceptual framework that guide all individual PhD projects and undergird the scientific and societal challenge of TOD-IS-RUR.
- Present the key concept/problem in your research project
- Read other scholars’ work analytically/ critically and give actionable feedback
- Understand the different stages in stakeholder management and relate these to specific communication strategies
- Learn about, reach out to, and communicate with, Partner Organisation
- Begin to tinker about your own research framework

Organization of the Kick-off event and COVID-19 flexible format

The TOD-IS-RUR Kick-off event and initial training days training workshop consists of 2 parts. The first part regards an equivalent of two and a half full days of classes online in October (# 16 lecturing hours in total). These classes will be divided into four blocks distributed across whole month since the workshop takes place fully online. This will also involve a preparatory period between the weekly sessions, in which ESRs work at their own pace. The reading materials will be made available in October. The second part will take place in November, and it is organized in collaboration with the Antwerp Management School.

Workshop Attendance and Participation

Attendance at the weekly training sessions is necessary. If you are not able to attend the training session, please let the Project Manager know in advance. Make sure you still turn in your assignments.

Materials

The reading materials for the first training workshops will be provided by the organizers of each thematic session and distributed by the Project Manager on the 1st of October 2021. All the materials will be available on the Microsoft Teams and SharePoint platforms.

The first four sessions take place fully online with weekly [remote] meetings in October using the Microsoft Teams feature. The first is an introductory session, followed by three thematic sessions. The program of the Antwerp Management School will be announced later in October.

Participants

There are 26 participants planned to attend the first part of the first Kick off training event and initial training days (10 ESRs, 15 (co)supervisors) and a Project manager). This training event is also open to other external participants from the host institutions.

ESR	ESR name	Supervisor/co-supervisor	Host organization
ESR1	Mariana Santos	Prof. Nathalie Roseau (supervisor) Prof. Massimo Moraglio (co-supervisor)	Ecole des Ponts ParisTech, France
ESR2	Flore Guichot	Prof. Paola Viganò (supervisor) Prof. Greet De Block (co-supervisor)	École polytechnique fédérale de Lausanne, Switzerland
ESR3	Krzysztof Janko	Prof. Dorothee Brantz (supervisor) Associate Prof. Frauke Behrendt (co-supervisor)	Technische Universität Berlin, Germany
ESR4	Harriet Dunn	Prof. Jonathan Metzger (supervisor) Prof. Stijn Oosterlynck (co-supervisor)	KTH Royal Institute of Technology, Sweden
ESR5	Carla Cruz	Prof. Mattias Qviström (supervisor) Prof. Dorothee Brantz (co-supervisor)	Sveriges Lantbruksuniversitet (SLU), Sweden
ESR6	Lisa Buldeo Rai	Prof. Luca Bertolini (supervisor) Prof. Jonathan Metzger (co-supervisor)	University of Amsterdam, the Netherlands
ESR7	Maya El Khawand	Prof. Caroline Gallez (supervisor)	Université Gustave Eiffel (UGE), France
ESR8	Leon Vauterin	Prof. Ruth Oldenziel (supervisor) Prof. Thomas Vanoutrive (co-supervisor)	Eindhoven University of Technology, the Netherlands
ESR9	Andre Klaassen	Prof. Greet De Block (supervisor) Prof. Mattias Qviström (co-supervisor) Prof. Ann Verhetsel (co-supervisor)	University of Antwerp, Belgium
ESR10	Sandra La Rota	Prof. Thomas Vanoutrive (supervisor) Prof. Luca Bertolini (co-supervisor) Prof. Caroline Gallez (co-supervisor)	University of Antwerp, Belgium
Coordinator Project Manager	Greet De Block Jasna Sersic		University of Antwerp, Belgium

Calendar of the Kick-off event & initial training days

CALENDAR OF THE KICK OFF EVENT

5 October
9-16h CEST

Kick-off event introductory sessions

13 October
10-13h CEST

1st thematic session: Sprawl in Europe / TOD planning in Europe

22 October
13-16h CEST

2nd thematic session: Infrastructure as Socio-Technical System

27 October
10-13h CEST

3rd thematic session: Socio-environmental resilience / inequality

19 November

Transferable skills session AMS: Stakeholder management

Schedule of the individual training sessions

The following section outlines a more detailed schedule and program of the training sessions.

TOD-IS-RUR Kick-off meeting

Tuesday, 5 October 2021, 09.00-16.00h (CEST)

The aim of the **kick-off meeting** is to introduce the network and start building our community as well as to kick-off discussions about research and training. The meeting is structured around three introduction sessions:

(i) getting to know, and interact within, the TOD-IS-RUR network. The session will start with a general welcome by the Project Management Team, after which the ESRs and supervisors will introduce each other. For the welcome assignment please look at the table and contact the person you have been assigned to work with (ESRs, please take initiative and contact the supervisor for scheduling a meeting). This is the person you will be presenting during the meeting (~3 minutes). The idea is to have a brief conversation with each other beforehand and learn the basic information a person would usually present about him/her/themselves when introducing themselves. Please make sure to schedule a brief meeting/call with the person you have been assigned (please see a table below) and by spending circa 10 minutes learn about each other. This preparation is aimed to provide the safety and candor required to make the (already challenging) online team conversations work.

Some of the questions that could help you guide a conversation, but are not required to answer, are:

- What has been your career/study path?
- What four things interest you in life?
- What/who inspires you?
- What books/people/events changed your thinking/was formative for your thinking?
- What is the most exciting part of research for you?
- What are you trying to master in life?
- Do you have any hidden talents or hobbies?
- What would aid me in supporting you/working with you?
- What do you do for fun?
- What else do you want me to know about you?

Number

1	Mariana Santos	Frauke Behrendt
2	Flore Guichot	Thomas Vanoutrive
3	Krzysztof Janko	Mattias Qviström
4	Harriet Dunn	Paola Viganò
5	Carla Cruz	Nathalie Roseau
6	Lisa Buldeo Rai	Caroline Gallez
7	Maya El Khawand	Stijn Oosterlynck
8	Leon Vauterin	Luca Bertolini
9	Andre Klaassen	Dorothee Brantz
10	Sandra La Rota	Ruth Oldenziel
11	Jasna Sersic/Greet De Block	Jonathan Metzger
12	Ann Verhetsel	Jasna Sersic

After the introductions, we will extend the introductions with informal chats in small breakout rooms.

(ii) discussion about the training program. We will discuss the goals and program of the upcoming TOD Studio in Paris and ask for input of the ESRs about the TOD Studio as well as their general expectations on transferable & scientific skills.

(iii) brainstorm about the research program. In this session the main supervisors will give short pitches about the ESR projects, after which we will discuss the separate WPs in break out rooms. The discussion will focus on synergies and collaboration between the different ESR projects, already defining actions for how you will organize collaboration/communication in your WP.

Organizers: Greet De Block, Jasna Sersic

PROGRAM OF THE SESSION

TOD-IS-RUR KICK OFF SESSION 5 October 2021

- 09.00-10.00h CEST** **Supervisory board meeting:** briefing and discussion
- Briefing on the recruitment/start ESRs
 - Approach and templates to PCDP
 - Proposition for the ECTS
 - Calendar of the Network-wide events: Workshop in Berlin / Studio in Lausanne
 - SAB
- 10.00-12.00h CEST** **Welcome speech and introduction:**
- Introduction of ESRs and (co)supervisors
- 12.00-13.00h CEST** **Lunch break**
- 13.00-14.00h CEST** **Training program brainstorming session**
- The upcoming TOD Studio in Paris
 - Feedback session on ESRs' expectations on transferable & scientific skills
- 14.00-15.30h CEST** **Research program brainstorming session**
- Pitch presentations of the ESR projects by the main supervisors
 - Brainstorming session on the synergies between the projects & challenges to bring them together. The session is structured per WP:
 - o WP1: 30min
 - o WP2: 30min
 - o WP3 + general discussion: 30min
- 15.30-16.00h CEST** **Wrap-up**
- Overview of the program of training sessions in Oct/Nov
 - Assignment 1: Reader
 - Assignment 2: Poster for website
 - Assignment 3: TOD Talks – Partner Organizations

TOD-IS-RUR thematic session 1: TOD and Sprawl in Europe/ TOD planning in Europe

Wednesday October 13th, 10.00-13.10h CEST

The aim of this session is to familiarize and critically engage students with the key concepts of ‘sprawl’ and ‘TOD’. Arguments for why sprawl might be a problem and how TOD could be a solution will be introduced. But the very notions that sprawl is the problem, and TOD the solution will also be questioned. The discussion will be placed within the geographical context of European rural urban regions, and looked at from both historical and forward looking, and from both space and mobility perspectives.

The session is organized as a combination of short lectures, interactive exercises, and group discussions. Every individual 25-minute lecture slot is made up of 15-minute lecture and 10-minute interaction. Lecturers will set up the interactive part as they see fit. In addition, there are two plenary discussion and a final individual reflection. See below for details.

As a preparation for the session, the students are asked to read the assigned literature. While reading, students should (1) take notes of any questions that the literature raises and (2) start thinking about how the literature might be relevant (or why it might not be relevant) for their own project. Please be aware that it is quite some reading we ask you to do, so start on time!

Organizers: Frauke Behrendt, Paola Vigano, Thomas Vanoutrive, Mattias Qvistrom, Luca Bertolini

PROGRAM OF THE SESSION

PART 1: What is TOD

Chair: Frauke

10.00-10.05 **Welcome (Frauke)**

10.05-10.30 CEST **TOD and Sprawl, the past #1 (Luca)**

Aim of the lecture The aim of the lecture is to introduce students to TOD as a planning concept: its history, different interpretations, lessons learned, and open questions. The lecture will also introduce international comparative case studies as a research method.

Concept TOD as a Planning Concept

Methods International Comparative Case Studies

The specific scientific and societal problem/s it will forward: The specific scientific and societal problem/s it will forward is the question of whether, and under which conditions TOD might be a solution to which societal problems, and how research can enlighten possibilities and limitations of TOD as a planning concept.

To do ESRs Read the following literature before the meeting (see introduction for how to read).

References

- Bertolini, L., C. Curtis, and J. Renne (2012) Station areas projects in Europe and beyond: towards Transit Oriented Development? In *Built Environment*, Vol. 38, No. 1, pp. 31-50.
- Thomas, R., D. Pojani, S. Lenferink, L. Bertolini, D. Stead, and E. Van Der Krabben (2018) Is transit-oriented development (TOD) an internationally transferable policy concept? In *Regional Studies*, Vol.52 (9), pp.1201-1213
- Ibraeva, A., de Almeida Correia, G. H., Silva, C., & Antunes, A. P. (2020). Transit-oriented development: A review of research achievements and challenges. *Transportation Research Part A: Policy and Practice*, 132, 110-130.

10.30-10.55 TOD and Sprawl, the past #2 (Mattias)

Aim of the lecture	Aim of the lecture is to explore how landscape can be used as a lens to facilitate a critique of the contemporary TOD planning
Concept	Landscape, materiality and mess: using landscape and planning history to scrutinize TOD models and urban ideals within planning
Methods	Landscape/planning history
The specific scientific and societal problem/s it will forward:	How landscape studies can help us to better understand the places of/for TOD, and to scrutinize the TOD planning beyond a taken for granted urban ideal.
To do ESRs	Read the following literature before the meeting (see introduction for how to read).

References

- Qviström, M. 2013. "Searching for an open future: Planning history as a means of peri-urban landscape analysis", *Journal of Environmental Planning and Management*, 56, 1549 – 1569.
- Qviström, M. 2018. "Farming ruins: a landscape study of incremental urbanisation", *Landscape research*, 43, 575-586.
- Qviström, M., Luka, N., De Block, G. 2019. "Beyond circular thinking: geographies of transit-oriented development", *International journal of urban and regional research*, 43, 786 – 793
- Pries, J., Qviström, M. 2021. "The patchwork planning of a welfare landscape: reappraising the role of leisure planning in the Swedish welfare state", *Planning perspectives*, doi/full/10.1080/02665433.2020.1867884

10.55-11.20 CEST TOD and Sprawl, the present/what should TOD be? (Thomas)

Aim of the lecture and concept	The case of Flanders, seen by (local) urban planners as the capital of sprawl, will be used to show how sprawl as problem and TOD as solution are connected in contemporary planning discourse. The case also reveals how TOD-related ideas are used in public transport reforms which have been criticised from a transport justice perspective. The suggestion is put forward that the question what TOD is or was, may be less relevant than the question what TOD should be.
Methods	Participatory Action Research
The specific scientific and societal problem/s it will forward:	The idea of a transfer of knowledge from academia to practice is still dominant. Taking the right to science and democracy seriously, one needs to explore different methodological routes.
To do ESRs	Read the following literature before the meeting (see introduction for how to read).

References

- Thomas, R., D. Pojani, S. Lenferink, L. Bertolini, D. Stead, and E. Van Der Krabben (2018) Is transit-oriented development (TOD) an internationally transferable policy concept? In *Regional Studies*, Vol.52 (9), pp.1201-1213

- Ibraeva, A., de Almeida Correia, G. H., Silva, C., & Antunes, A. P. (2020). Transit-oriented development: A review of research achievements and challenges. *Transportation Research Part A: Policy and Practice*, 132, 110-130.
- Jamme, H.-T., Rodriguez, J., Bahl, D., & Banerjee, T. (2019). A Twenty-Five-Year Biography of the TOD Concept: From Design to Policy, Planning, and Implementation. *Journal of Planning Education and Research*, 39(4), 409–428. <https://doi.org/10.1177/0739456X19882073>
- Vanoutrive, T. (2021). Urban Regeneration and Transportation Planning. In R. Vickerman (Ed.), *International Encyclopedia of Transportation* (Vol. 6, pp. 356–360). Elsevier. <https://doi.org/10.1016/B978-0-08-102671-7.10772-9>
- Vanoutrive, T., & Cooper, E. (2020). How just is transportation justice theory? The issues of paternalism and production: A rejoinder. *Transportation Research Part A: Policy and Practice*, 133, 387–390. <https://doi.org/10.1016/j.tra.2020.01.011>

11.20-11.40 CEST Discussion #1: TOD or not TOD? (Frauke moderates)

Breakout room + plenary (including speakers)

11.40-11.50 CEST BREAK

PART 2 TOD, SPRAWL, SPACE & MOBILITY

Chair: Luca

11.50-12.15 CEST Emerging perspectives #1: Space (Paola)

Aim of the lecture Aim of the lecture is to reframe TOD models from the perspective of urbanization dynamics, ground observation and reconceptualization of hybrid urban-rural conditions. Research by Design in all its epistemological dimensions (descriptive, conceptual, projective) is the tool to tackle extended urbanization and the socio-economic and ecological Transition (NoCar scenarios; diffuse micro-infrastructures; multitask space of mobility).

Concept Horizontal vs Vertical territorial organization. Reframe TOD models from the perspective of urbanization dynamics, ground observation and reconceptualization of hybrid urban-rural conditions.

Methods Research by Design in all its epistemological dimensions (descriptive, conceptual, projective).

The specific scientific and societal problem/s it will forward: How to tackle extended urbanization and the socio-economic and ecological Transition (NoCar scenarios; diffuse micro-infrastructures; multitask space of mobility).

To do ESRs Read the following literature before the meeting (see introduction for how to read).

References

- Viganò P., 2016. *Micro Infrastructures*, in *Scaling Infrastructure*, Baber M. (ed.), MIT Center for Advanced Urbanism, New York: Princeton Architectural Press.
- Viganò P., 2016. *Territories of Urbanism - The Project as Knowledge Producer*. Routledge – EPFL Press.

- Viganò P., Secchi B., Fabian L., eds. 2016. *Water and Asphalt. The Project of Isotropy*, Zurich: Park Books
- Cavalieri, C., Viganò, P., eds., 2019. *The Horizontal Metropolis: a radical project*. Zurich: Park Books

12.15-12.40 CEST Emerging perspectives #2: Mobility (Frauke)

Aim of the lecture and the specific scientific and societal problem/s it will forward: Over time, mobility experiences have been become ever more intertwined with information and digital/data experiences. Being mobile increasingly involves the production, storage and sharing of data (consciously or not), from car insurance apps, to ticketing apps for public transport, urban micro-mobility share schemes, Google maps, fitness and wellbeing apps, or IoT air pollution data. The ‘datafication’ of mobility raise new questions and issues with regards to context-based approaches for rural-urban areas and Transit Based Approaches. What is the relationship between ICT-infused ways of living and working (e.g. remote working during covid, internet shopping) and hybrid urban-rural landscapes? How has public transport changed in light of digital information, routing and ticketing? And active modes? What happens with regards to new and existing inequalities around access and mobility in our ‘smart’ world? How do related policy and governance need to change? While ‘smart mobility’ is often understood in technology-focused ways, this session highlights socio-technical approaches from mobility studies and links debates on mobility justice with those on data justice.

Concept Smart Mobility

Methods Digital Ethnography
 Mobility approaches to smart mobility often use a combination of qualitative and/or quantitative methods (see Behrendt 2016), which is sometimes called mixed methods. Others understand these approaches as digital ethnography. Sarah Pink’s work on this is a good starting point here, see <https://www.youtube.com/watch?v=0ugtGbkVRFM>

To do ESRs Read the following literature before the meeting (see introduction for how to read) and consider watching the video mentioned above.

References

- Behrendt, F. Why cycling matters for Smart Cities. *Internet of Bicycles for Intelligent Transport*. *J. Transp. Geogr.* 2016, 56, 157–164, doi:10.1016/j.jtrangeo.2016.08.018.
- Docherty I, Marsden G and Anable J (2018) The governance of smart mobility. *Transportation Research Part A: Policy and Practice* 115: 114–125.
- Taylor, L. (2017). What Is Data Justice? The Case for Connecting Digital Rights and Freedoms Globally. *Ssrn*, December, 1–14. <https://doi.org/10.2139/ssrn.2918779>

12.40-13.00 CEST Discussion #2: TOD and Sprawl, conflict or alliance? (Luca moderates)

Breakout room + plenary (including speakers)

13.00-13.10 CEST Closing reflection: What inspired you today? How can you use it in your project? (Luca chairs)

TOD-IS-RUR thematic session 2: Conceiving Infrastructure as Socio-Technical System

Friday October 22nd, 13.00-16.00 CEST

The aim of the session is to introduce the students to the field of Science, Technology and Society studies, and more specifically to engage with socio-technical approaches to infrastructure. We will question the general conception of technology as a neutral object and challenge the notion of infrastructure as primarily being determined by ‘objective’ engineering and managerial parameters such as (cost-)efficiency, feasibility and safety. Lectures will redefine infrastructure as socio-technical systems, influenced by both technological and social deliberations. The ‘social’ side of technology is approached from different perspectives and disciplines, ranging from political sciences, planning, urbanism and social sciences.

The lectures are organized by two thematic entries, focusing on the level of the (part A) national/regional infrastructure network and (part B) regional/local system of the city, across different European contexts. Each part consists of two blocks: two lectures with Q&A, and one general discussion. We will conclude with two plenary discussions in which we will discuss TOD as a socio-technical systems as well as ask ESRs for an individual reflection.

As preparation for the session, students are asked to (1) read the assigned literature (for all lectures), (2) prepare questions for one lecture (see table below). The students preparing questions for a specific lecture are encouraged to work together. For all discussions and reflections all students are expected to take active part.

Organizers: Greet De Block, Massimo Moraglio, Nathalie Roseau.

PROGRAM OF THE SESSION

13.00 - 14.15 CEST

PART 1 TECHNOLOGY, NATION-STATE AND CONTESTED MODERNIZATION

Chair: Nathalie

20 min. **Motorways: Interactions between technology and ideology (Italy) - Massimo**

10 min. Q&A (André and Sandra prepare questions)

Aim of the lecture The aim of the lecture is to define the construction of a trivialized and banalized (and time-efficient) road network for motor-vehicles, able to accommodate the new expectations regarding motor-vehicles. This process engaged top-end political elite, experts and new echelons of middle- and lower-classes, witnessing the construction of an industrialized and routinized mobility.

Concept The intertwined relation between political decision, experts and middle-class’ expectations in mobility.

Methods / History of tech, political science, rhythm analysis

Disciplines

The specific scientific and societal problem/s it will forward: The role of mobility as a symbolic (political) discourse, as well as the construction of movements prone to time- and space-efficiency.

References

- Introduction and conclusion of Massimo Moraglio, *Driving Modernity: Technology, Experts, Politics, and Fascist Motorways, 1922-1943* (Berghahn, 2017). Have a look especially at the

“Introduction”. The volume is “Open access” at http://www.berghahnbooks.com/downloads/OpenAccess/MoraglioDriving/9781785334726_OA.pdf

20 min. Railways: Interactions between technology and territorial planning (Belgium) - Greet

10 min. Q&A (Carla and Harriet prepare questions)

Aim of the lecture Aim of the lecture is to explore with the students how infrastructure has been conceived by constellations of policy-makers and engineers, intentionally inscribing ideas on socio-spatial organization in technological design. The hypothesis is that a socio-technical conceptualization of infrastructure design is key to understanding processes of (rural-urban) urbanization in modern Europe.

Concept Link between infrastructure design, ideas on socio-spatial organization and territorial transformation

Methods / History, political geography, STS

Disciplines

The specific scientific and societal problem/s it will forward: The specific scientific and societal problem it will forward is the role of the expert and his/her/their relation with politics in conceiving relations between infrastructure design and socio-spatial planning.

References

- Greet De Block and Janet Polasy (2011), ‘Light railways and the rural-urban continuum: technology, space and society in late nineteenth-century Belgium’, *Journal of Historical Geography* 37: 312-328.
- Lisa Björkman and Andrew Harris (2018), ‘ENGINEERING CITIES: Mediating Materialities, Infrastructural Imaginaries and Shifting Regimes of Urban Expertise’, *INTERNATIONAL JOURNAL OF URBAN AND REGIONAL RESEARCH IJURR*: 244-261.
- Erik Swyngedouw (1999), ‘Modernity and Hybridity: Nature, *Regeneracionismo*, and the Production of the Spanish Waterscape, 1890-1930’, *Annals of the Association of American Geographers* 89(3): 443-465. For more elaborate theoretical framework and history, see also *Liquid Power* (MIT Press, 2015).

15 min. General discussion: Technology, nation-state and contested modernization

14.15- 14.30 CEST BREAK

14.30 - 15.30 CEST

PART 2 TECHNOLOGY, CITY AND CONTESTED PLANNING PROCESSES

Chair: Massimo

20 min. Airports: Interactions between technology and urbanism (France) - (Nathalie)

10 min. Q&A (Flore, Leon and Maya prepare questions)

Aim of the lecture The aim of the lecture is to explore the role of technology and infrastructure in processes of metropolitan transformation. Through the history of interactions between aeromobility and the city, we will focus on infra-urban dialectics to address issues of causality, narratives, and scales at work.

Concept Infrastructure, temporalities, scales, imaginary

Methods / Urbanism, history of representations, planning history, transport history

Disciplines

The specific scientific and societal problem/s it will forward: The specific scientific and societal problem/s it will forward is the role of infrastructural artifacts in our societies, their specific relationship to the future, the power relations that they reflect, the place they occupy in design and planning.

References

- David Edgerton, "From Innovation to Use: ten (eclectic) theses on the historiography of technology", first published in *History and Technology*, Vol 16 (1999), pp.1-26
- Nathalie Roseau, « Airports as urban narratives, toward a cultural history of global infrastructures », *Transfers*, Berghahn Books, New York, Vol 2.1, 2012, pp.32-54
- Nathalie Roseau, « Learning from airport's history » in Peter Norton et al (Éds), *Mobility in History*, Vol4, New York, Berghahn Books, 2013, pp.95-100
- Nathalie Roseau, « The City seen from an aeroplane, Distorted reflections and urban future » in Mark Dorrian, Frédéric Pousin (Éds), *Seeing from above: the aerial view in visual culture*, Londres, IBTauris, 2013, pp.210-226

20 min. **Cycling: Social Movements and Sociotechnical Systems in Long-term Perspective (Ruth Oldenziel)**

10 min. Q&A (Krzysztof, Lisa and Mariana prepare questions)

Aim of the lecture In this lecture, we will examine in a long-term (temporal) perspective on cycling innovations. Examining infrastructure, practices, and meanings, it takes sustainable innovation studies as a point of departure and zeros in on the temporal dimension to understand how mobility can or cannot transition towards a more sustainable future and offers reflections on theories of change.

Concept Theories of Change, Temporality, Historical Transition Studies, Pockets of Persistence

Methods / History, STS, Innovation Studies

Disciplines

The specific scientific and societal problem/s it will forward: Understanding how change works for a future-proof innovations

References

- Shove, Elizabeth. "The Shadowy Side of Innovation: Unmaking and Sustainability." *Technology Analysis & Strategic Management. Innovation, Consumption, and Environmental Sustainability* 24, no. 4 (2012): 363-75.
- Oldenziel, Ruth, and Adri A. de la Albert de la Bruhèze. "Contested Spaces: Bicycle Lanes in Urban Europe, 1900-1995." *Transfers* 1, no. 2 (Summer 2011): 31-49.

- Ploeger, Jan, and Ruth Oldenziel. "The Sociotechnical Roots of Smart Mobility: Bicycle Sharing since 1965." *Journal for Transport History* 41, no. 2 (2020): 134-59.
- Ploeger, Jan, and Ruth Oldenziel. "Making the Dutch 15-minute Bicycle City: How the Railroads Shaped Urban Planning and Discovered Cyclists Along the Way, 1960-1990." *Journal of Urban History*.

15 min. General discussion: Technology, city and contested planning processes

15.30 -15.50 CEST Brainstorm about TOD as socio-technical system? (Greet moderates)

15.50 - 16.00 CEST Closing reflection: What inspired you today? (Greet chairs)

TOD-IS-RUR thematic session 3: Social and Environmental Inequalities, Equity in Urban Access, and Resilience

Wednesday October 27th, 10.00-13.10 CEST

The session focuses on three related topics: (1) social and environmental inequalities in urban development and mobility; (2) the notion of equity in urban access; (3) the paradigm of resilience as one way of addressing social and environmental concerns with urban development. The aim is to illustrate the way in which scholars are dealing with these issues: which concepts, theoretical approaches and methods they use and with which objectives in mind. On this basis, ESRs are invited to reflect on how they might use the concepts presented (inequality, equity, accessibility, resilience, etc.) to fuel their own thinking.

The session is structured in two parts, the first dealing with inequality and equity and the second with urban resilience. In the first part, we define and discuss the notions of poverty, social exclusion, inequalities, first in a general way and then in relation to the issues of urban development, mobility and access to amenities. In the second part, we define and discuss the concept of urban resilience, in relation to urban development and planning issues. Each part is organized in three steps: first, researchers are presenting how they work with main concepts; two, ESRs are reflecting how those concepts might figure in their own projects in breakout sessions; third, we are discussing the breakout results.

Before the session: reading the texts recommended by the organizers (see the presentation of each lecture below); during the session: working in small groups (2-3).

Organizers: Stijn Oosterlynck, Dorothee Brantz, Caroline Gallez, Jonathan Metzger

PROGRAM OF THE SESSION

TIME	Welcome and introduction of the session
PART 1	SOCIAL AND ENVIRONMENTAL INEQUALITIES
	Social inequalities, spatial segregation and resourcefulness (S. Oosterlynck)
	From the right to mobility to equity in urban access? (C. Gallez)
	A more-than-human perspective on inclusion and exclusion in urban planning (J. Metzger)
	Breakout sessions (ESRs) – How concepts about inequalities might figure in our projects?
	Joint discussion about breakout results
	Break
PART 2	URBAN RESILIENCE
	Resilience as a Paradigm in Urban Development: A Social and Environmental Perspective (D. Brantz)
	Breakout sessions (ESRs) - How resilience might figure in our projects?
	Joint discussion about breakout results

LECTURES

Social inequalities, spatial segregation and resourcefulness

Stijn Oosterlynck, University of Antwerp

This session discusses social and spatial inequalities. It aims to introduce some basic concepts, categories and perspectives to identify, analyse and assess social inequalities. We start from the observation of social

differences to explain through which mechanisms some social differences become socially significant in such a way that they shape the allocation of resources and determine life chances. Looking at the mechanisms of hierarchisation of social relations and the construction of material and symbolic boundaries between social groups, we arrive at a sociological understanding of society as socially stratified and poverty as a relational phenomenon. We then move on to consider how social inequalities are translated into spatial inequalities through the operation of housing and land markets. Residential (as opposed to social) segregation is discussed as a spatial form of inequality. Whether (and how) segregation leads to unequal life chances depends on the degree of 'local dependence' (and hence mobility) of people and the resourcefulness of the neighbourhood. It is in this context that suburbanization, ghettoization and gentrification as instantiations of segregation have to be assessed. We end with reflecting on resourcefulness as an important qualification of resilience.

References

- MacKinnon, D. and K. D. Derickson (2013). "From resilience to resourcefulness: A critique of resilience policy and activism." *Progress in Human Geography* 37(2): 253-270.
- Vranken, J. (2001). Unravelling the social strands of poverty: differentiation, fragmentation, inequality and exclusion. *Governing European Cities*. H. T. Andersen and R. Van Kempen. Aldershot, Ashgate: 71-91.

From the right to mobility to equity in urban access?

Caroline Gallez, Université Gustave Eiffel

As a way to facilitate access to amenities (jobs, shops, services, etc.), individual mobility is currently considered as a necessary prerequisite for people's participation in social activities. In contrast, immobility or "lack of mobility" would be a risk factor for social exclusion. However, due to the ambiguity of mobility—which can be considered either as an essential resource or as a cost; as a basic right or as an injunction to be "mobile"—political objectives of inclusive mobility mask some contradictions. Three main points will be discussed: 1. The links between "mobility", "access" and "accessibility"; 2. The consequences mobility-focused policies, either in terms of social and spatial dynamics of urbanised regions and in terms of diverse injunctions that made mobility as a social norm; 3. The critic of right to mobility and the opportunity to change political priorities from inclusive mobility to inclusive accessibility.

References

- Cass, N., Shove E., Urry J., 2005, Social exclusion, mobility and access. *Sociological Review* 53, 3, 539-555.
- Fainstein S., 2006, Planning and the Just City. *Conference on searching for the just city*, Columbia University.
- Gallez C., Motte-Baumvol B., 2017, Inclusive mobility or inclusive accessibility? A European perspective. *Cuadernos Europeos de Deusto*, 56, 79-104.
- Preston J., Rajé F., 2007, Accessibility, mobility and transport-related social exclusion. *Journal of Transport Geography* 15, 151-160.

A more-than-human perspective on inclusion and exclusion in urban planning

Jonathan Metzger, KTH Royal Institute of Technology

This presentation will provide an introduction to issues concerning inclusion and exclusion in urban planning. It will touch upon both the processual and substantial dimensions of the design of future urban environments, and also expands the issue to relate not only to the relative in-/exclusion of human groups, but also broadens the scope to also consider other beings and existences in relation to these issues.

References

- Connelly, S., & Richardson, T. (2004). Exclusion: the necessary difference between ideal and practical consensus. *Journal of Environmental Planning and Management*, 47(1), 3-17.

- Metzger, J. (2019). A more-than-human approach to environmental planning. In *The Routledge Companion to Environmental Planning* (pp. 190-199). Routledge.
- Purcell, M. (2002). Excavating Lefebvre: The right to the city and its urban politics of the inhabitant. *GeoJournal*, 58(2), 99-108.

Resilience as a Paradigm in Urban Development: A Social and Environmental Perspective

Dorothee Brantz, TU Berlin

The lecture will briefly introduce the concept of resilience and how it has been used in urban studies. It will offer a critical reading of the concept in relation to social and environmental perspectives on rural-urban developments and what that means for our understanding of infrastructures and TOD.

References

- Brantz, D. and Avi Sharma, eds. *Urban Resilience in a Global Context: Actors, Narratives, Temporalities* (Bielefeld: Transcript, 2020)
open access: <https://www.transcript-verlag.de/978-3-8376-5018-1/urban-resilience-in-a-global-context/>

Please read the introduction and one chapter that suits your interests

TOD-IS-RUR transferrable skills: Stakeholder Management

Friday November 19th, Morning (start time TBD)

The primary training goal of the session is improve communication skills with other stakeholders in the project (such as local authorities, architects, representatives of transport companies, etc.). The second goal is a initiate training in political skills, negotiation techniques and analytical skills. All with a clear angle on their jobs as international researcher.

For this first transferrable skills workshop, AMS will organize a half-day online session. The session will focus on communication skills, specifically linked to stakeholder management. The workshop will start from a case, in which several topics are developed with the students, including:

Proposed topics:

- The stages and key concepts of stakeholder mobilization
- How to identify and prioritize key stakeholders in different stages of your project
- Involving stakeholders in the design stage: from data to prognostic framing
- Mobilizing stakeholders: the role of soft power and adaptive communication
- Assessing stakeholder interests and preferences and how to adapt your communication based on those
- Designing stakeholder roles and voices in a shared value-creating system

In addition to discussing the topics through the case, a set of best practices will be presented. The workshop will be (co-)facilitated by Prof. Wouter Van Bockhaven.

More information soon.

TOD-IS-RUR Assignments

Assignments related to thematic sessions on key concepts and approaches

Reader

All ESRs read the assigned literature to prepare for each thematic session. For each session, clear instructions are formulated in the syllabus.

Deadlines: 13, 22, 27 October

Poster

All ESRs design a poster to be posted on our webpage: ESR project description A4-format.

Poster visually conveys key questions/concept/topic/sites...

ESRs may use any graphic program, ranging from professional software to easy accessible tools, like powerpoint and Canva (https://www.canva.com/nl_nl/maken/poster/)

Deadline: 15 November

Related to transferrable skills course

TOD Talks

Excerpt from the proposal “ESRs, experts and supervisors will be invited to give a TOD Talk that will be posted on the website, and freely distributed to other online channels. Similar to TED Talks, the talks are on ‘ideas worth spreading’ presented in an engaging way for the broader public, with a maximum of 10 minutes.”

First TOD Talks: ESRs interview Partner Organisations in order to:

- Practice in communication skills with stakeholders
- To strengthen the TOD-IS-RUR community
- ESRs will get to know the POs and build their personal networks

ESRs collaborate in groups:

	Group 1	Group 2	Group 3
ESRs	Mariana Maya Krzysztof	Leon Lisa Sandra Anca	Harriet Flore André Carla
POs	APUR AREP IAU-IPR AMS	EPF VRP PNH UUM	IQS WSP SPV LL

Preparation for interview:

- ESRs gather information about the POs and formulate questions on their expertise, mission/projects and how it relates to the TOD-IS-RUR societal/scientific challenges
- ESRs mail the questions to the POs so they can prepare the answers



Compilation is max 5min per PO.

Deadlines

First two TOD Talks: Dec 10th

Last two TOD Talks: Jan 28th

ECTS calculation

Teaching: 1 day kick off (6h) + 4 half days training session (3hx4) = 18h

Assignments:

- Reader: 4 days for 3 thematic sessions: $3 \times 8 \times 3 = 96\text{h}$
- Poster: 2 days: 16h
- TOD Talks: 2 days (groups of 4 ESRs for 4 POs – estimate of 2 days per ESR): 16h

146h

1 ECTS = 30hours

5 ECTS