

## Summer School Integrated mobility challenges in future metropolitan areas: 4 teams × 4 scenarios

Triggianese, Manuela; Kuijper, Joran

**Publication date**

2018

**Document Version**

Final published version

**Published in**

Stations as Nodes

**Citation (APA)**

Triggianese, M., & Kuijper, J. (2018). Summer School Integrated mobility challenges in future metropolitan areas: 4 teams × 4 scenarios. In M. Triggianese, R. Cavallo, N. Baron, & J. Kuijper (Eds.), *Stations as Nodes* (pp. 187-189). TU Delft OPEN. <https://books.bk.tudelft.nl/index.php/press/catalog/book/682>

**Important note**

To cite this publication, please use the final published version (if applicable).  
Please check the document version above.

**Copyright**

Other than for strictly personal use, it is not permitted to download, forward or distribute the text or part of it, without the consent of the author(s) and/or copyright holder(s), unless the work is under an open content license such as Creative Commons.

**Takedown policy**

Please contact us and provide details if you believe this document breaches copyrights.  
We will remove access to the work immediately and investigate your claim.

# Stations as Nodes

**Edited by**

**Manuela Triggianese**

**Roberto Cavallo**

**Nacima Baron**

**Joran Kuijper**

**Contributors**

Maarten Van Acker

Marjo van Amerongen

Nacima Baron

Fabrizia Berlingieri

Hans de Boer

Roberto Cavallo

Paul Chorus

Valentina Ciccotosto

Debbie Dekkers

Albane Grandazzi

Maurice Hartevelde

Marcel Hertogh

Serge Hoogendoorn

Kees Kaan

Bachar Kaban

Yo Kaminagai

Jurgen Krabbenborg

Joran Kuijper

Tom Kuipers

Nils Le Bot

Niels van Oort

Wouter Oostendorp

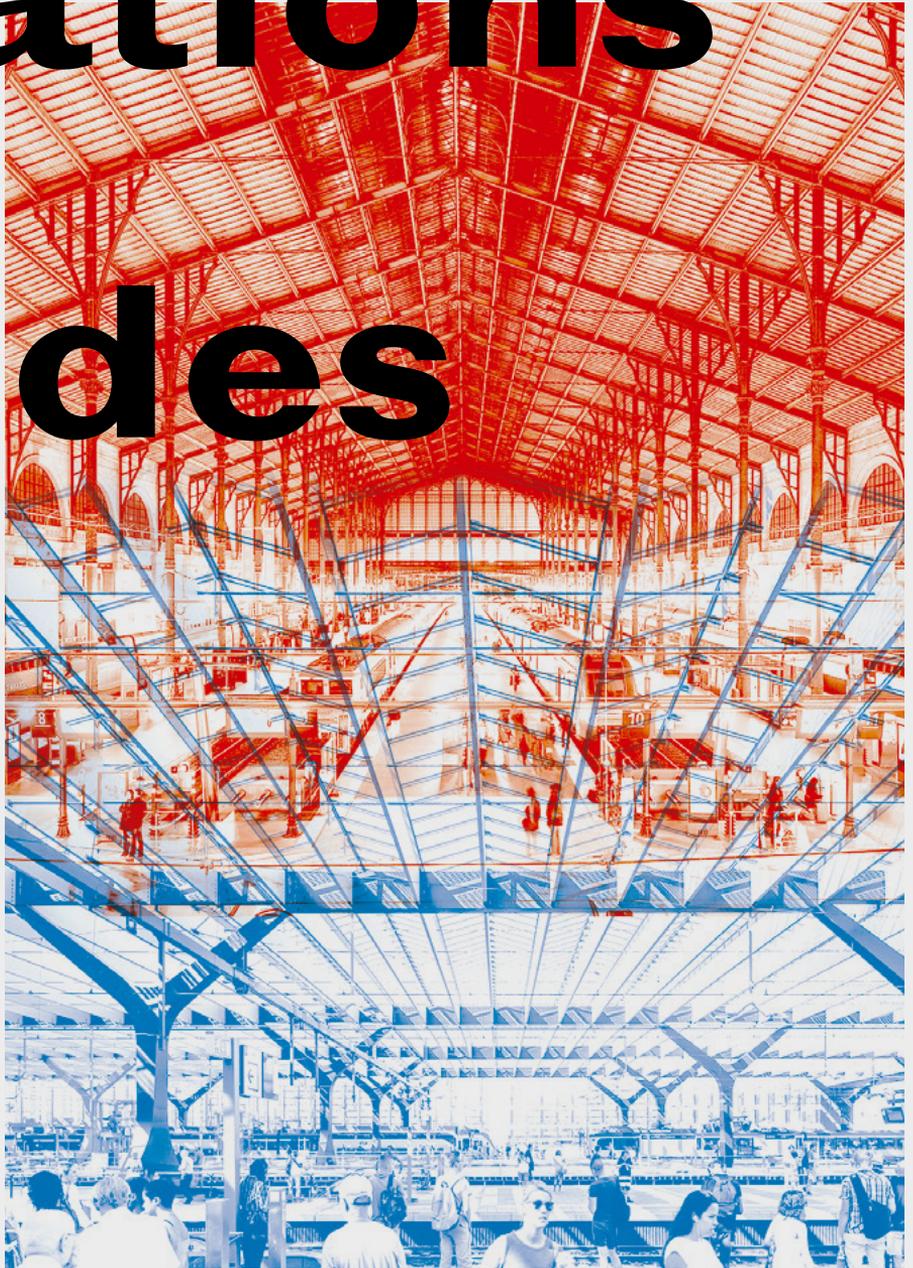
Joannette Polo

Nico Schiettekatte

Arjan van Timmeren

Fatemeh Torabi Kachousangi

Manuela Triggianese



**exploring the role of stations  
in future metropolitan areas  
from a French and Dutch  
perspective**

**Delft University of Technology,  
Faculty of Architecture and the Built Environment**

**Delft Deltas, Infrastructures & Mobility Initiative**

**Amsterdam Institute for Advanced Metropolitan Solutions**

**Université Paris-Est, École d'Urbanisme de Paris**

This book is published by TU Delft Open,  
Faculty of Architecture and the Built Environment,  
Delft University of Technology

© 2018 the authors and the Faculty of Architecture  
and the Built Environment, Delft University of  
Technology. All rights reserved.

ISBN 978-94-6366-140-9

### **Editorial Board**

Manuela Triggianese  
Roberto Cavallo  
Nacima Baron  
Joran Kuijper

### **Editor in Chief**

Manuela Triggianese

### **Leadership and Coordination**

Chair of Complex Projects, Department of Architecture,  
Faculty of Architecture and the Built Environment:  
Manuela Triggianese and Joran Kuijper

### **Scientific Committee**

dr.arch. Manuela Triggianese (TU Delft, AMS)  
prof.dr. Nacima Baron (Université Paris-Est)  
dr.arch. Roberto Cavallo (TU Delft, ARENA)  
dr.ir. Maurice Hartevelde (TU Delft, AMS)  
prof.ir. Kees Kaan (TU Delft, AMS)  
prof.dr.ir. Marcel Hertogh (TU Delft, DIMI)  
prof.dr.ir. Arjan van Timmeren (TU Delft, AMS)  
prof.dr. Urs Hirschberg (TU Graz, ARENA)  
prof.dr. Bernard Kormoss (ULiège, ARENA)

### **Contributors**

Maarten Van Acker  
Marjo van Amerongen  
Nacima Baron  
Fabrizia Berlingieri  
Hans de Boer  
Roberto Cavallo  
Paul Chorus  
Valentina Ciccotosto  
Debbie Dekkers  
Albane Grandazzi  
Maurice Hartevelde  
Marcel Hertogh  
Serge Hoogendoorn  
Kees Kaan  
Bachar Kabalan  
Yo Kaminagai  
Jurgen Krabbenborg  
Joran Kuijper  
Tom Kuipers  
Nils Le Bot  
Niels van Oort  
Wouter Oostendorp  
Joannette Polo  
Nico Schiettekatte  
Arjan van Timmeren  
Fatemeh Torabi Kachousangi  
Manuela Triggianese

### **English editing**

D'Laine Camp

### **Photographers**

© Bart Koetsier  
© Sebastian van Damme

### **Design**

Joran Kuijper

### **Special thanks to**

All 2018 Summer School and Stations of the Future/  
Gares du Futur event participants

### **and to the support of the organisation**

Camille Combe, Joannette Polo, Carolien van Tilburg,  
Joan Mols, Esther Hogenhout, Annabelle Michon, Elise  
Baeriswyl, Django Beek, Maud Kaan, Esther Hogenhout,  
Yasmine Baroudi, Debby Dröge, Judith Blommaart-  
Tigchelaar, Salma Ibrahim, Amber Leeuwenburgh,  
Jenile Koejoe, Annelies van Rooy, Onno van het  
Groenewoud, Willem van Heijningen, Charlotte Rietdijk  
and Saksia van Eijk and Tessa Wijtman-Berkman

### **and to the moderators and lecturers**

Luca Bertolini, Oscar Vos, Ton Venhoeven, Winnie  
Daamen, Yo Kaminagai, Jeroen van der Heuvel,  
Sebastiaan de Wilde, Ute Schneider, Daan Zandbelt,  
Catherine Barbé, Julien Peyron, Gaëlle Pinson, Cécile  
Maisonneuve, Marten Wassmann, Arjan Dingsté,  
Pauline Marchetti and Miguel Loos

### **Imagery**

© Louise Plantin  
© Benthem Crouwel Architects  
© KAAAN Architecten  
© Sensual City Studio  
© Atelier Novembre  
© UNStudio  
© authors  
© Chair of Complex Projects, Department of  
Architecture, Faculty of Architecture and the Built  
Environment, Delft University of Technology

### **Cover image**

Collage © Joran Kuijper based on a photo of Gare du  
Nord by David Iloff used under the CC BY-SA 3.0 Licence,  
and a photo of Rotterdam Central Station by Jannes  
Linders, © BenthemCrouwel Architects

# Summer School Integrated mobility challenges in future metropolitan areas: 4 teams x 4 scenarios

Manuela Triggianese

Joran Kuijper

The Amsterdam Institute for Advanced Metropolitan Solutions (AMS), the Delft Deltas, Infrastructures & Mobility Initiative (DIMI), University of Paris-Est and ARENA architectural research network join Delft University of Technology in the organization of the interdisciplinary 2018 Summer School: 'Integrated Mobility Challenges in Future Metropolitan Areas'. The Summer School is a follow up of 'Making the Metropolis' edition held in Amsterdam in August 2017 and the 'Stations of the Future' event held in Paris in March 2018. By participating to this summer school, 42 graduate students, young professional and researchers have explored interdisciplinary approaches towards a sustainable integration of stations here defined as intermodal nodes.

Four teams were dealing with the following themes: the role and function of the station in future metropolitan areas, growing number of users, sustainability challenges, programming of transport nodes, public and semi-public spaces (and social dynamics), exploration of alternative, marginal and emerging social uses of stations as meeting places and culture, urban integration and integration in the overall mobility system and urban fabric, accessibility to and from the stations/airport as well as between rail-metro stations and other mobility nodes (e.g. bus, bike and car sharing).

The station is the central link in the mobility chain as well as a key element in the organization of the intermodal transport. The development of a station project from both a governance and financial perspective can be used to revitalize city areas, to promote a high level of (station) architecture and public spaces, and to adopt new technologies contributing to safety while enhancing the experience of the station users.

Working on the Sloterdijk station area is more than working on an infrastructural node, it's about developing a sustainable neighbourhood with public and social values. As a neighbourhood its development deals with many stakeholders.

The main question we addressed during the 8-days workshop were: which approaches and scenarios can be tested and applied to these intermodal nodes, particularly when dealing with lack of space and growing number of users? We have exchanged knowledge of sustainable solutions by applying different strategies on

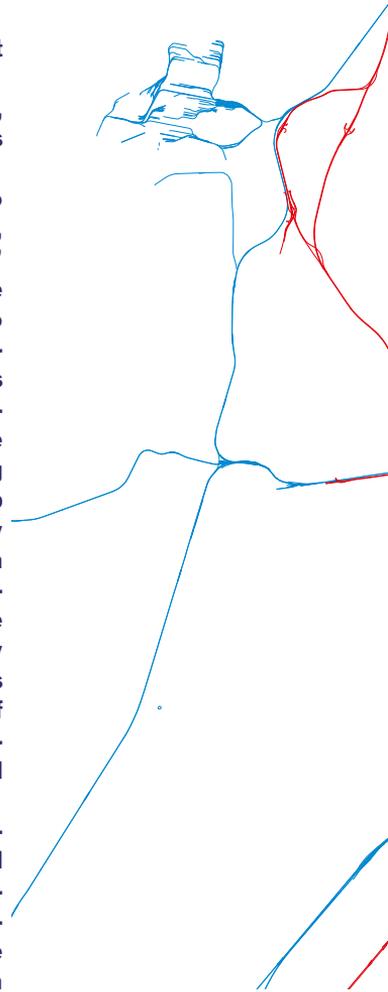
**Sloterdijk station area. This test-bed and design location is considered as an urban generator for future developments in Amsterdam. Sloterdijk is part of a vast development area called 'Haven-Stad'.**

**This summer school was built upon the expertise of five different institutions.**

**By understanding the fundamental challenges in the Connected, Vital and Circular City (AMS Research Themes), the participants were able to create interdisciplinary answers to these challenges.**

**"Railway stations have become much more than just a place to get on and off trains. Instead, they are places to work, do business, meet, shop and relax. Cities began seeing them as a 'Grand Projects' to boost their image, to serve as a symbol and eye-catching entrance into the city. The development of a station project can be used to promote a high level of architecture and the revitalization of city areas." The Summer School 'Integrated Mobility Challenges' was organized in working design sessions. The studios created an interactive setting at AMS Institute and Faculty of Architecture and the Built Environment at Delft University of Technology, facilitating disciplinary exchange. Participants were distributed over four sub groups. The teams focused on the following themes: **Connected City** (by dealing with mobility, infrastructure, logistics and metropolitan development issues); **Vital City** (social interaction and urban spaces); **Circular City** (local and regional networks, data and knowledge sharing, business-cases, resource security and buildings as energy sources). Groups were supervised by at least one expert as well as one appointed professor of a participating institution. As results of the design sessions, lecture series and on-site visits, four design proposals were discussed and presented within plenary mid-term and final reviews.**

**In the following articles, 4 design scenarios x 4 teams are presented. Each group developed strategic proposals of urban renewal and architectural intervention of Amsterdam Sloterdijk station, by looking at its influence on the areas to the Nord-East (Group A), South-East (Group B), South-West (Group C) and Nord-West (Group D). The teams investigated the role of this intermodal hub in the future urban scenario of the metropolitan area of Amsterdam.**





**Note**

1

See also:  
Manuela Triggianese,  
*Euralille twenty years on*,  
*OverHolland 16/17*,  
pp. 111–139