



Delft University of Technology

Spatial Planning & Strategy at TU Delft

Rooij, Remon; Bracken, Gregory; Stead, Dominic; Rocco, Roberto

Publication date
2022

Document Version
Final published version

Published in
Teaching, Learning and Researching

Citation (APA)

Rooij, R., Bracken, G., Stead, D., & Rocco, R. (2022). Spatial Planning & Strategy at TU Delft. In R. Rocco, G. Bracken, C. Newton, & M. Dąbrowski (Eds.), *Teaching, Learning and Researching: Spatial Planning* (pp. 8-9). TU Delft OPEN Publishing.

Important note

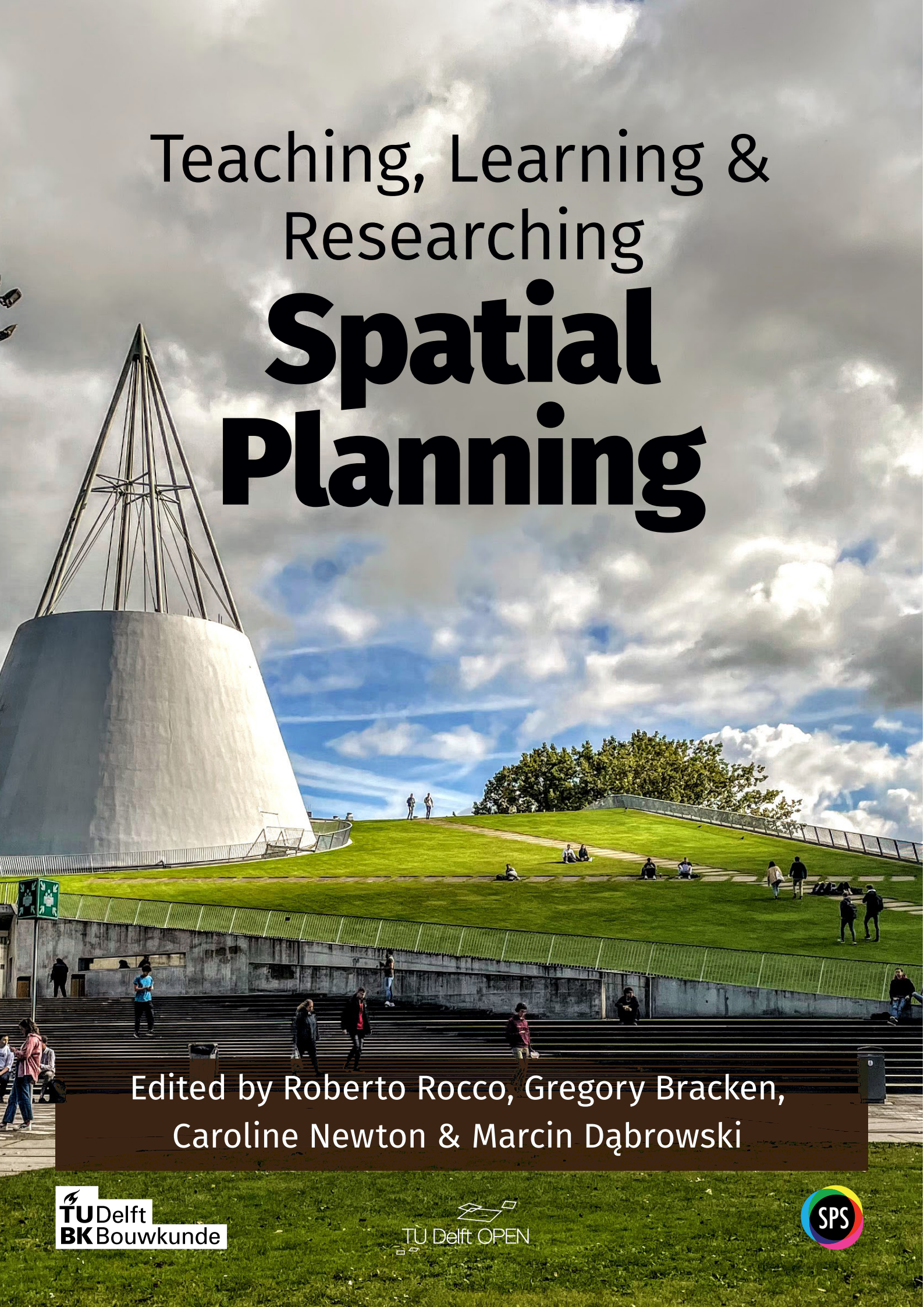
To cite this publication, please use the final published version (if applicable).
Please check the document version above.

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.



Teaching, Learning & Researching **Spatial Planning**

Edited by Roberto Rocco, Gregory Bracken,
Caroline Newton & Marcin Dąbrowski

Teaching, Learning & Researching Spatial Planning

TOOLS, CONCEPTS AND IDEAS TAUGHT AT THE SECTION OF SPATIAL PLANNING AND STRATEGY OF THE
OF URBANISM, FACULTY OF ARCHITECTURE AND THE BUILT ENVIRONMENT
DELFT UNIVERSITY OF TECHNOLOGY, THE NETHERLANDS.

Published by

TU DELFT OPEN

Edited by

ROBERTO ROCCO, GREGORY BRACKEN, CAROLINE NEWTON & MARCIN DĄBROWSKI

Design and layout

ROBERTO ROCCO

Language review & copy editing

GREGORY BRACKEN

Contact

SECTION SPATIAL PLANNING & STRATEGY, DEPARTMENT OF URBANISM
FACULTY OF ARCHITECTURE AND THE BUILT ENVIRONMENT, DELFT UNIVERSITY OF TECHNOLOGY
JULIANALAAN 134, 2628 BL, DELFT, THE NETHERLANDS
ENQUIRIES: KARIN VISSER, E-MAIL: SPATIALPLANNING-BK@TUDELFT.NL

ISBN/EAN: 978-94-6366-604-6

<https://doi.org/10.34641/mg.50>

COVER: TU DELFT CENTRAL LIBRARY BY MECANOO ARCHITECTS, TU DELFT. PHOTO BY R. ROCCO (2019).

Disclaimer: This work is licensed under a CC-BY 4.0 license, except where otherwise mentioned. This means that the CC-BY license you can find here are not applicable where it is mentioned something different in this work (for example CC-license conditions are not applicable to works marked with a different CC license or "with permission" etc.). It is your responsibility to check what the conditions are to re-use the work further. Every attempt has been made to ensure the correct source of images and other potentially copyrighted material was ascertained, and that all materials included in this book have been attributed/used according to their license and/or the applicable copyright rules. The book contains a fair number of photographs taken on the street. It is legally permitted to take photographs in public spaces and publish them, without having to ask permission from persons who happen to be in the picture. We have made sure pictures published do not interfere with the dignity and privacy of those portrayed. If you believe that a portion of the material infringes someone else's copyright, please contact r.c.rocco@tudelft.nl.

Spatial Planning & Strategy at TU Delft

REMON ROOIJ, GREGORY BRACKEN, DOMINIC STEAD, ROBERTO ROCCO

The Department of Urbanism of the TU Delft is organised in six sections: Spatial Planning & Strategy (SPS), Urban Design, Environmental Technology & Design, Urban Studies, Landscape Architecture, and Urban Data Science. SPS has three distinct and complementary pillars: (i) Spatial Planning & Strategy, (ii) Regional Design and Planning, and (iii) International Urbanisation & Development Planning. Spatial Planning at TU Delft has an evident, but unique relationship with spatial design, focusing on the development and transformation of spatial form, composition, patterns, structures, and networks.

The sections form the key pillars to Urbanism at Delft University of Technology. They bring together spatial and visual thinking, planning and governance, the urban and non-urban, data and technology, research and design. This integrative approach to urbanism has a long history at TU Delft and makes the University's academic profile in spatial planning highly distinctive and highly ranked.

All over the world, cities and regions are challenged by the risks and opportunities associated with accelerating challenges arising from migration, climate change, the fourth industrial revolution, globalisation, rising inequality, and political instability. They face urgent questions with respect to sustainable growth and transformation that can only be tackled in an interdisciplinary integrative way that promotes social, economic, and environmental sustainability and spatial justice. In other words, they are not only concerned with what to do (i.e. the objectives of spatial planning) but also

with how to do it (i.e. processes of democratic citizen engagement and governance).

Over recent decades, spatial planning, policy making, and territorial governance have changed drastically. First, trends of deregulation and decentralisation have had a large impact on traditionally strong spatial planning authorities, such as national governments and national bodies of planning. They have repositioned themselves and gotten new responsibilities, but regional and local planning authorities have had to adapt as well. Additionally, at least in the European Union, private stakeholders and civil society have been given much more room to co-create spatial plans and interventions with those planning authorities. Spatial planning has developed into an inter- and transdisciplinary activity, especially in advanced economies.

Secondly, vision and strategy-making have become mainstream in spatial planning with an increased understanding of the complex, uncertain, networked, and dynamic nature of cities and regions. Planning for resilience and sustainability, for organic growth, for flexibility, and for adaptivity means that planning has become a process of intensive interaction, negotiation, and communication between involved stakeholders, looking for shared visions and strategies to go forward. Such a process is helped by diverse tools and ways of approaching the tasks at hand, with the formulation of alternative spatial scenarios and by vision and strategy-making. These tools contribute to a new planning paradigm that focuses on communication and consensus-seeking in collaborative

decision-making processes. This has increased the need for urbanism-planning professionals who can lead, guide, facilitate, mediate, manage, and steer those processes, across a variety of spatial scales, from neighbourhood to city-region and beyond.

Thirdly, spatial planning has become a more digitised and digitally supported process in many ways. In several places, spatial planning processes are based on E-participation and innovative ways of citizen engagement. Urban (big) data and sophisticated 2D and 3D analysis, visualisation, modelling, and decision-making tools are providing urbanism professionals with more input on the city than ever before, making urban policy-making processes potentially more transparent, explicit, and democratic, and strongly underpinned and supported by actual and dynamic data that allows for evidence-based decision-making.

The changes within the professional field of spatial planning come with many questions that can be researched at the University, focusing on issues of:

- fairness, spatial justice, and democracy building.
- the roles and responsibilities of stakeholders in spatial development processes, including the roles and values of planners.
- spatial decision-making processes and how they are informed by socio-spatial data (analysis).

SPS contributes to teaching and research on these questions and contributes to the understanding of theoretical perspectives on the nature, scope, and effects of spatial planning. Our section focuses on (i) international and European territorial governance and policymaking, including their potential for democracy building, (ii) contemporary methods of spatial planning, spatial planning instruments, and spatial planning systems, (iii) territorial evidence and impact assessment. By doing so, the Section contributes to theories of spatial planning and builds on SPS's strong tradition of international comparative studies.

TU Delft is the leading institution in the Netherlands for research and education on Urbanism. It has an established track record of excellence in research, teaching, and learning, confirmed by external assessments.

With this book, we intend to disseminate a specific understanding of what spatial planning entails and how it converses with other disciplines. This understanding is anchored in a Dutch tradition that brings together spatial planning, urban design, environmental technology, urban studies, landscape design, urban data approaches, and more.

A PUBLICATION BY THE GROUP
SPATIAL PLANNING & STRATEGY
DEPARTMENT OF URBANISM
FACULTY OF ARCHITECTURE AND THE BUILT ENVIRONMENT
DELFT UNIVERSITY OF TECHNOLOGY

BOUWKUNDE,
DEPARTMENT OF URBANISM
JULIANALAAN 134
2628 BL, DELFT
THE NETHERLANDS

[HTTPS://WWW.SPATIALPLANNINGTUDELFT.ORG](https://www.spatialplanningtudelft.org)
SPATIALPLANNING-BK@TUDELFT.NL

Teaching, Learning & Researching **Spatial Planning**

The complexity and interconnectedness of today's urban challenges demand integrated and innovative approaches to the planning and design of sustainable, fair, and inclusive cities and regions. This, in turn, requires us to challenge and rethink current planning practice and education. The next generation of young planners and designers must deal with that complexity by integrating insights from across different disciplines, from urban and regional design, environmental technology, geomatics, and urban studies to history and other branches of the social sciences. This book features texts written by staff and PhD candidates of the section of Spatial Planning and Strategy of the Department of Urbanism at the Delft University of Technology, with a few selected guests who contribute to our education and research. It showcases knowledge produced by the section and its friends with a special focus on education.



ISBN: 978-94-6366-604-6
<https://doi.org/10.34641/mg.50>

