



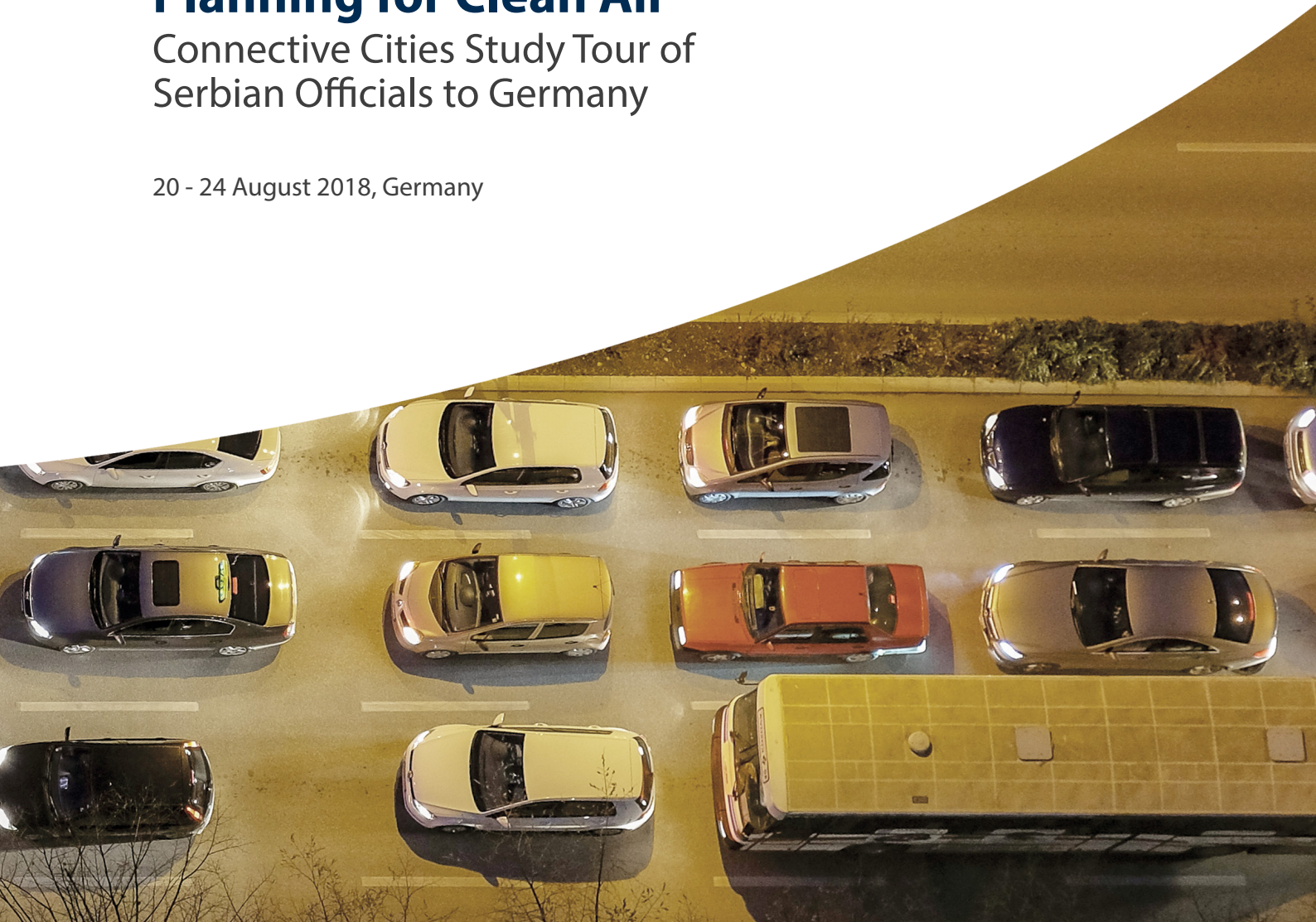
Federal Ministry
for Economic Cooperation
and Development



Planning for Clean Air

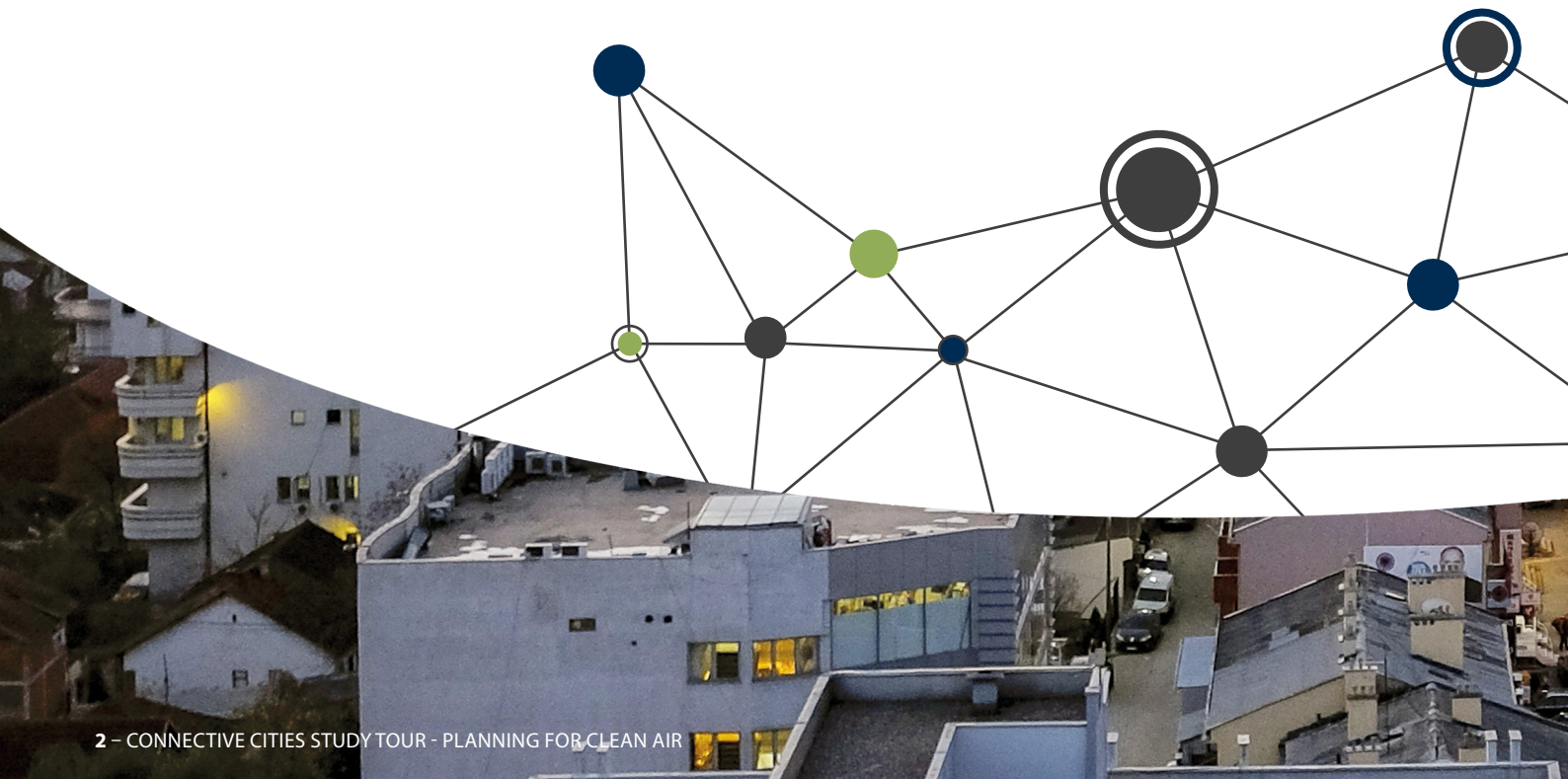
Connective Cities Study Tour of Serbian Officials to Germany

20 - 24 August 2018, Germany



Disclaimer

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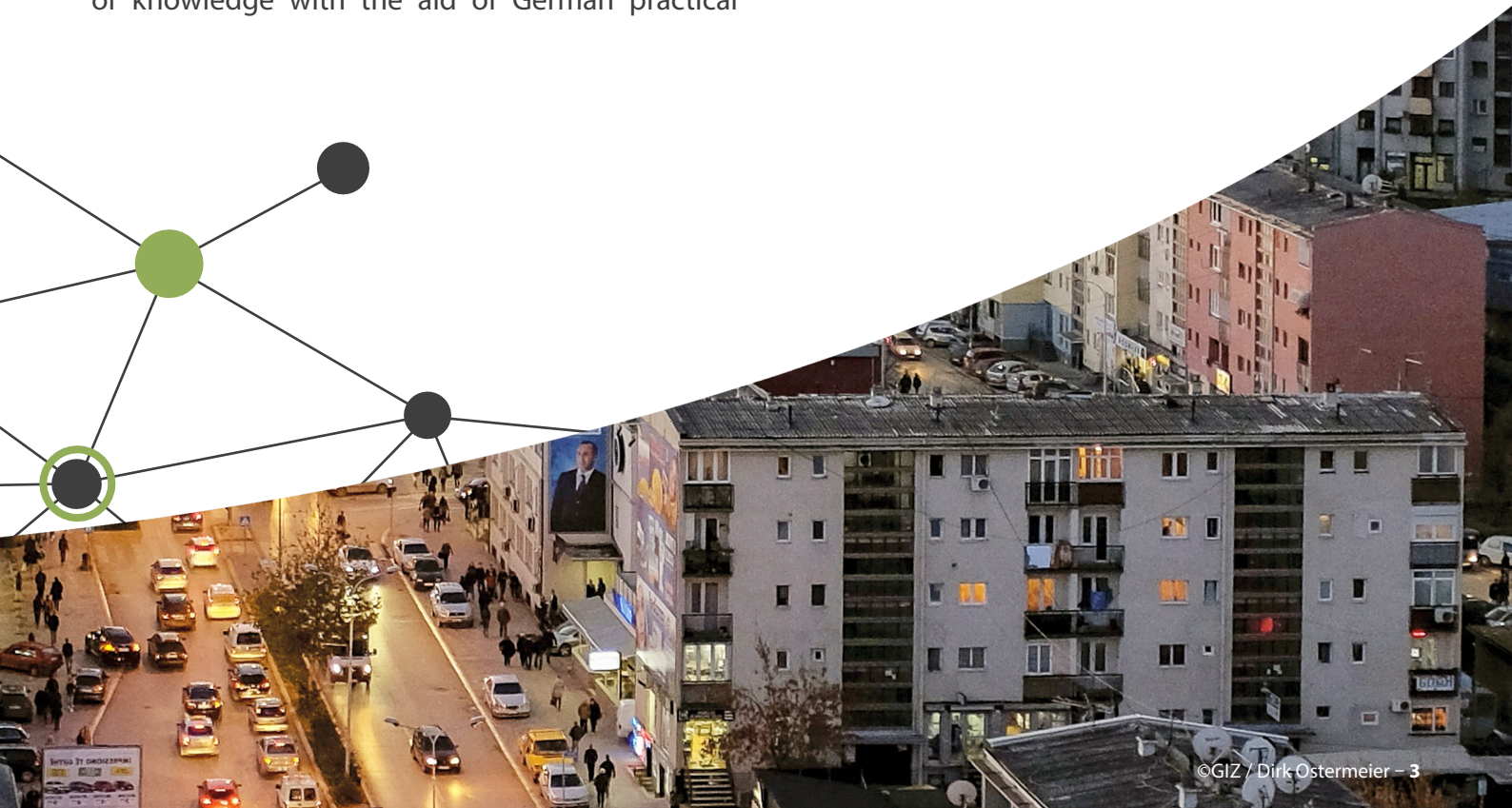


Introduction

The Community of Practice for Sustainable Urban Development Connective Cities facilitates the study tour “Planning for Clean Air: Implementation of low-emission zones and air pollution control” to delegates from the municipality of Kragujevac, Serbia in August 2018. The programme comprises keynotes and field visits in the three cities in the three North Rhine-Westphalian cities of Hagen, Arnsberg and Dortmund in Germany. Furthermore, it provides opportunity for the delegates to discuss various dimensions of air pollution control through low-emission traffic zones with experts. The study tour is geared towards practice-oriented transfer of knowledge with the aid of German practical

examples, support of the development of new ideas for local projects, as well as networking of Serbian and German experts and practitioners.

Connective Cities is a platform and network jointly established by the German Association of Cities, Engagement Global – Service Agency Communities in One World, and GIZ. The network offers demand-oriented services to facilitate worldwide networking between urban practitioners for an application-oriented exchange of experiences, joint learning and the development of innovative urban projects in and across urban sectors.



Background

The global trend of urbanisation goes hand in hand with the responsibility to manage adequately the environmental and health impact of emerging motorised urban traffic. The resulting emissions of greenhouse gases (GHG), fine particles and NOx curtail the quality of urban life and citizen well-being, and impel climate change. In this regard, Connective Cities hosted a workshop on “Sustainable Urban Mobility and Climate Change – Reducing Air Pollution by Climate-Friendly Means of Urban Transport” in Tbilisi, Georgia in February 2018. The workshop was concerned with various components of sustainable urban mobility and comprised knowledge about environmental transport governance strategies on city-level, alternative non-motorized means of transport, sustainable and socially inclusive public transport, and strategies for citizens’ participation in the development of a sustainable mobility agenda. The discussion of good practices from the field strengthened the exchange of experiences among South Eastern Europe and Eastern Partnership

cities, and fostered knowledge transfer from Germany. As a result, the delegation of the Kragujevac municipality, which also participated in the workshop, expressed their continuing interest in learning about good practice examples from Germany, particularly the implementation of low-emission zones to reduce air pollution in urban agglomerations.

Air pollution is an important risk factor for health worldwide, causing severe diseases and prematurely deaths globally. Thus, air quality and pollution control are equally crucial concerns in Serbia, where concentrations of fine particles in the air are often much higher than what the European Union (EU) and the World Health Organization (WHO) have determined as the maximum amount to protect health. Furthermore, the issue of climate change gains more and more importance among Serbia’s population and administration. Environmental pollution impacts not only on the personal health and quality of life, but also the infrastructural and economic potential of municipalities, as well as the attractiveness of the region for tourists and investors. In this sense, reducing and controlling air pollution through emissions from fuel combustion is a main interest of the municipality of Kragujevac.



Subject

The Environmental Protection Department of the city of Kragujevac identified air pollution as the most serious and urgent environmental problem in the city. The municipality acknowledged the necessity of the creation of an air quality plan and sustainable transport in the city – counteracting the most dominant source of air pollution: motorized traffic. The plan is backed by local and national legislations and policies, involving different actors from the public and private sector, from local residents to higher levels of governmental institutions, as well as academia and NGOs. Besides the establishment of the Local Environmental Action Plan (2010), the Kragujevac Sustainable Development Strategy (2012-2022) and the Transport Development Strategy of the City of Kragujevac (2012-2022), the city is seeking further effective strategies towards clean air. Thereby, the municipality faces different challenges, such as a lack of funding, low-level awareness of all stakeholders and a lack of required expertise.

In response to these concerns, Connective Cities develops a study tour programme that supports municipal practitioners and decision-makers to learn from experiences and good practice scenarios in Germany. The study tour is geared towards the delegates of the municipality of Kragujevac, Serbia. The goal of the event is to acquire knowledge from exemplary good practices of air pollution control through low-emission zones, to discuss concrete challenges of the implementation and policy design and to create a common vision for the planning for clean air (PCA). The participants will actively learn about the associated operational processes, will be



able to reinforce their individual capacities, and will have the opportunity to enhance the practitioners' network. Using different German experiences as case studies allows good understanding of legal, financial and technical capacity of German versus Serbian, but also of large versus small municipalities. The introduction of successful clean air strategies

explores city-specific causes for, and effects on air pollution and identifies potential solutions to the problem. Based on the concept of low-emission zones, the case studies address air pollution control in a particular manner that includes physical and institutional dimensions. The main questions for the Serbian context will be the following:

1. What are the **environmental, social and economic** impacts of low-emission zones?
2. What are the core aspects of **appropriate policy design and infrastructural planning** for low-emission zones?
3. What are the **appropriate governance structures and arrangements** for successful clean air planning, with regard to municipal, regional and (supra)-national stakeholders?
4. How to achieve **public acceptance and civic engagement** with low-emission zones and what **innovations** can support the operations of low-emission zones??

Objectives

The overall objective is to support urban PCA practitioners from Kragujevac and to discover tangible results tackling specific issues that are of high relevance for their respective city and for sustainable urban development in general. Acknowledging the complexity and variety of PCA, the study tour does not present universal solutions. It rather aims at enhancing the capacities of the participants towards the concept of low-emission zones through observation and discussion of good practices. Therefore, it is important to understand local to national contexts and to be able to choose a suitable mix from the different options available. Reliable and consistent data, identification of problems, framework conditions and respective objectives thereby provide the basis for any development action.

The objectives of the study tour and benefits for the participants are:

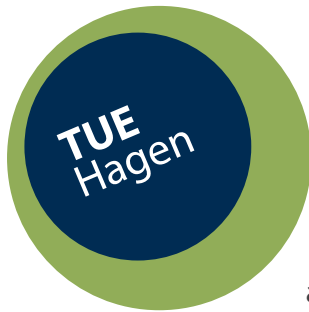
- + Support practice-oriented exchange on good practices in PCA;
- + Provide shared and situated knowledge in an active manner;
- + Develop capacities of participants to analyze existing PCA strategies;

As a result, the delegates are in a more informed position with regard to the implementation of low-emission zones for air pollution control.



Case Studies

The selection of case studies presents a range of different local and regional contexts, different institutional, legal and administrative levels as well as various approaches towards air pollution control through the implementation of low-emission zones. A well-balanced selection of municipal and state actors and a collection of diverse challenges and strategies provide a comprehensive and complementary framework to finally increase knowledge and build capacity in the field.



The city of Hagen with its 195.000 inhabitants is located in the state of North Rhine-Westphalia (NRW). With the adaptation of the EU-directive about air quality and clean air in Europe from 2008 as a federal law, the city initiated an integrated clean air management program, in order to fulfill the air quality standards and to stick to maximum limits of emissions. The program comprises different measures, while the creation of a low-emission zone presents the core element of the management strategy. The visit will facilitate the understanding of the implementation processes, the impacts of the low-emission zones and their ecological values, as well as additional measures to change mobility and emission behavior by means of planning, construction and controlling.



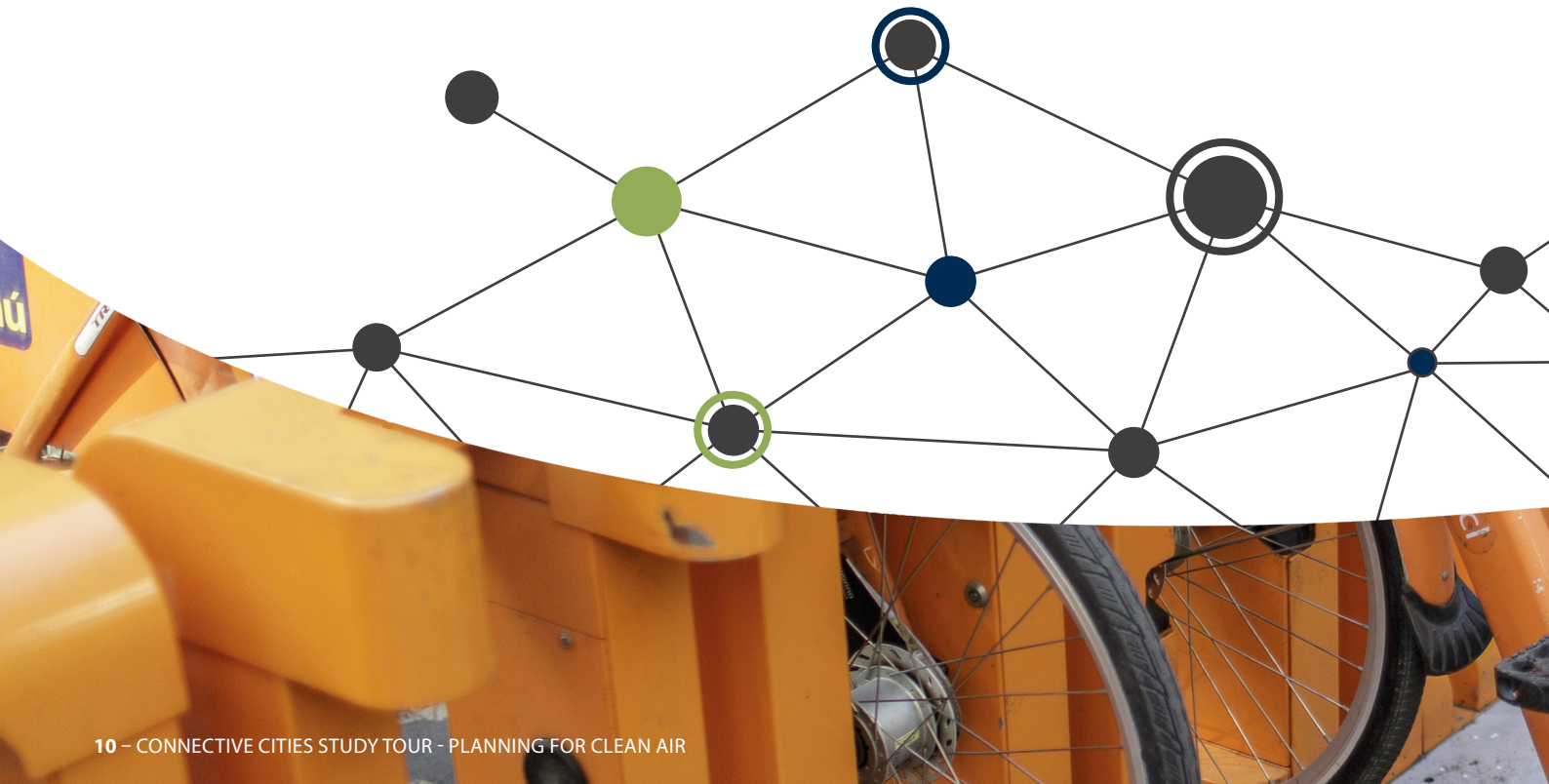


Whenever regions or cities stand to exceed the maximum allowable amounts of emissions according to the federal law on emission protection, air protection plans (Luftreinhaltepläne) have to be developed. In the observed case, the responsible public authority for the development of the action-plan comprising initiatives for immediate measures for air protection is the district authority Arnsberg in close cooperation with the state agency for nature, environment and consumer protection NRW and the affected municipalities. The district Arnsberg therefore comprises individual air protection plans for 11 municipalities (including Hagen) and one regional air protection plan. Furthermore, the district authority controls frequently the implementation of the defined measures in the plans. With the visit in Arnsberg, the participants will get insights in the governance structures, institutional hierarchies and responsibilities across multiple administrative levels that need to be considered in municipal planning.





Another city in the administrative district of Arnsberg is the city of Dortmund. The current valid air protection plan was implemented in October 2011 and provides a variety of measures to reduce the air pollutants nitrogen dioxide and fine particles. While the planning and implementation of low-emission zones on municipal and regional level was subject to the previous days, the visit in Dortmund will focus on the complying cross-disciplinary measures affecting different authorities and institutions, such as the road building authority, the traffic authority, the police, the municipal utilities, the municipal waste management, etc. Thereby, the implementation and operation of unique and enduring measures besides the establishment of the low-emission zone will be examined. Examples are the city's "Park and Ride" and the "Bike and Ride" system, the conversion of the municipal vehicle fleet, the promotion of non-motorized and pedestrian traffic as well as improvements to the municipal logistics, the building sector and construction management, or traffic control.



Accommodation

The central and modern Hotel Königshof welcomes the participants of the Study Tour on Planning for Clean Air. Right on the Koenigswall in Dortmund, a pedestrian precinct with restaurants, bars, shops, a concert hall and Dortmund underground station and the city's historic centre, the hotel will serve as the home base from where the group will start the daily excursions.

Connective Cities will cover the costs for accommodation and breakfast at the hotel. The hotel offers free WiFi.

Costs for Room Service, Minibar or other additional services will not be covered by the organiser.

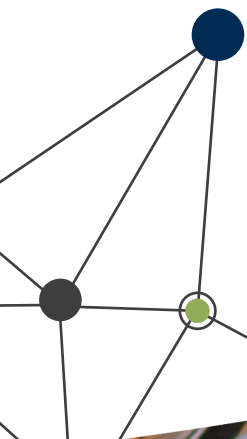
Hotel Königshof GmbH

Adress:
Königswall 4 - 6
44137 Dortmund

Website:
<http://www.hotel-koenigshof.com/>

Contact:
Tel: +49 231 - 5 70 41
info@hotel-koenigshof.com

Train/Bus Station:
Dormund Hauptbahnhof (Hbf)



Programme

Monday, 20th August

Day at free disposal

+ **08:10** | Arrival Dortmund Airport
*Participants will be picked up
at the airport*

+ **09:00** | Bus Airport Express
to Dortmund Hbf (09:22)

+ **14:00** | Check-In
Hotel Königshof

+ **19:00** | **Welcome Dinner**
*Zum Alten Markt
Markt 3, 44137 Dortmund*

Tuesday, 21st August

Excursion to Hagen

+ **09:09** | **Outward journey**
Dortmund Hbf
Train RE4 to Hagen HBF (09:30)

+ **09:45** | **Expert Meeting**
Environmental Department
City of Hagen
Rathausstraße 11, 58095 Hagen

Key-Notes:

- Clean Air Management in Hagen
- Hagen Mobility Masterplan

+ **13:00** | **Lunch Break**
AllerWeltHaus
Potthofstr. 22, 58095 Hagen

+ **14:00** | **Field Trip Hagen**
Guided Tour on PCA in Hagen

+ **16:29** | **Return journey**
Hagen Hbf
Train RE4 to Dortmund HBF (16:53)

+ **17:00** | Evening at free disposal

Please note that all journeys will be paid for with a group ticket. Therefore, it is absolutely necessary that all participants travel together with the same trains. Individual or divergent train rides will not be refunded.

Wednesday, 22nd August

Excursion to Arnsberg

+ 08:41 | **Outward journey**
Dortmund Hbf
Train RE57 to Arnsberg (Westf) (09:24)

+ 09:45 | **Expert Meeting**
District Authority
Administrative District Arnsberg
Wedinghauser Str. 19, 59821 Arnsberg

Key-Notes:

- Institutional organization
- Legal bases and responsibilities
- Clean Air Management in the administrative district

+ 13:00 | **Lunch Break**
Canteen
Seibertzstraße 1, 59821 Arnsberg

+ 14:00 | **Field Trip Arnsberg-Neheim**
Guided Tour on Renaturation in Neheim

17:40 | **Return journey**
Bf Neheim-Hüsten
Train RE57 to Dortmund HBF (18:17)

+ 19:00 | **Dinner**
Lokalmanufaktur
Friedensplatz 1, 44135 Dortmund

Thursday, 23rd August

Excursion to Dortmund

+ 09:45 | **Outward journey**
Walk to the Environmental
Department in Dortmund

+ 10:00 | **Expert Meeting**
Environmental Department
City of Dortmund
Brückstraße 45, 44122 Dortmund

Key-Notes:

- Air pollution and low-emission zones
- Dortmund Mobility Masterplan

+ 12:00 | **Field Trip Dortmund**
Guided Tour on PCA in Dortmund

Lunch Break
+ 13:00 | BIG Break
Rheinische Str. 1, 44137 Dortmund

+ 14:00 | **Visit Dortmunder U**
Dortmund's Landmark

+ 15:00 | **Conclusion of the Study Tour**
Environmental Department
City of Dortmund
Brückstraße 45, 44122 Dortmund

+ 16:30 | **Good-Bye**
End of the Study Tour

+ Partners of Connective Cities



+ The study tour is supported by

Bezirksregierung
Arnsberg



Stadt
Dortmund

