



# CIMEC

FOR WHICH CITY FUNCTIONS DOES C-ITS  
HOLD POTENTIAL?

18.05.2017, BRUSSELS

# TABLE OF CONTENTS

---

- THE APPROACH
- INPUT FROM CITY STAKEHOLDERS
- ACTIVITY AREAS AND USE CASES

# THE APPROACH

## THE OBJECTIVES OF THIS PART OF THE WORK IN CIMEC:

---

- ▶ Identify the cities' main transport challenges
- ▶ Identify barriers towards take-up of C-ITS solutions
- ▶ *We will provide insight into internal and external conditions which guide the choices and priorities of cities in employing C-ITS solutions for solving transport challenges*

## DATA COLLECTION FROM CITY STAKEHOLDERS

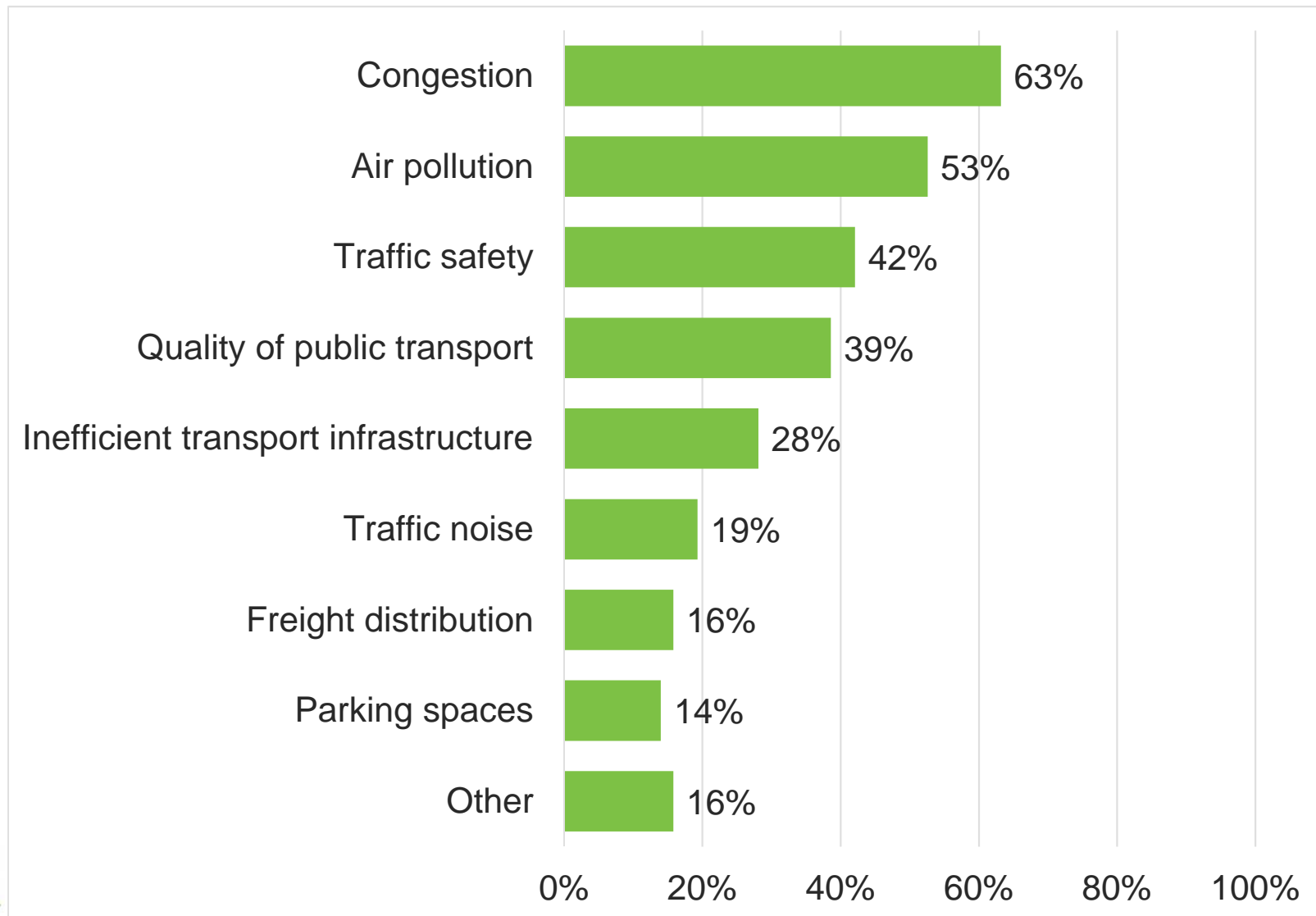
---

- ▶ On-line survey A
- ▶ Regional work shops (“uniform” set of stakeholders from cities)
- ▶ Local work shops (a broad set of stakeholders)
- ▶ On-line survey B

	Reading / UK cities	Kassel / German speaking cities	Trondheim / Nordic cities	Bilbao / Spanish & French + Other cities	SUM
<b>LOCAL STAKEHOLDERS:</b>					
<b>Workshop:</b>					
<b>Stakeholders</b>	12	21	10	16	59
Additional CIMEC partners	6	8	3	5	22
<b>Survey B:</b>	2	6	4	5	17
<b>REGIONAL STAKEHOLDERS:</b>					
<b>Workshop:</b>					
<b>Stakeholders/city representatives</b>	12	28	5	4	49
Additional CIMEC partners	6	8	3	5	22
<b>Survey A:</b>	10	26	9	13	58

# INPUT FROM CITY STAKEHOLDERS

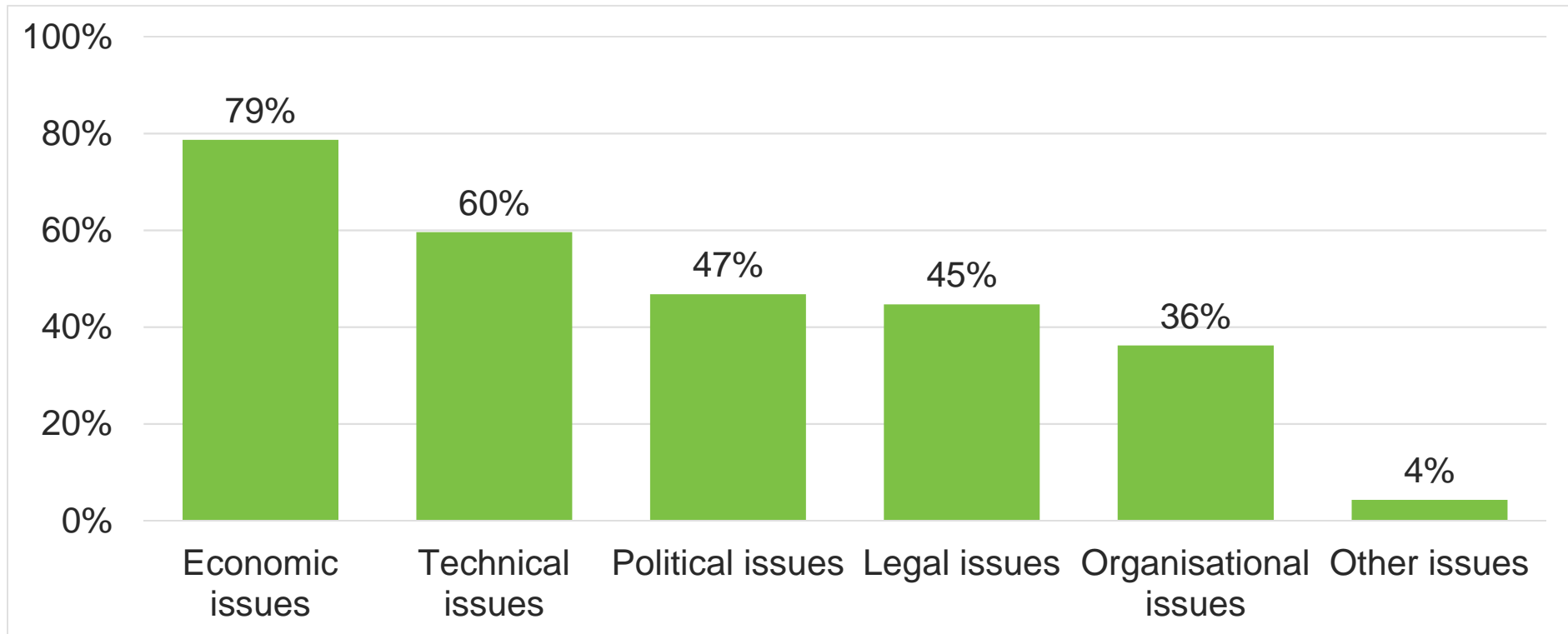
# TRANSPORT CHALLENGES





# BARRIERS

---



# ACTIVITY AREAS AND USE CASES

## ACTIVITY AREAS

---

- ▶ **The main transport challenges were issues for the work shops where several activity areas were established, these areas are collections of functions possible addressing the transport challenges but not necessarily by means of C-ITS technology**

- 
- Multimodal traffic and transport management
  - Individual traffic management
  - Cooperative management of urban freight
  - Cooperative management of electric vehicles
  - Cooperative management of traffic lights
  - Cooperative incident management
  - Parking management
  - Taxi management
  - Support for vulnerable road users
  - Cooperative information exchange
  - Car sharing
  - Autonomous driving

## Use cases

---

- ▶ The use cases are functions in the activity areas that fulfils some criteria:
  - describing an ICT service
  - includes the use of C-ITS as technology to run the service
  - includes the city as at least one of the involved parts in running the service
  - the benefits of performing the service should be describable

*The use cases are the functions where C-ITS holds potential for a city*

## URBAN C-ITS USE CASES

---

- ▶ Information to road users
- ▶ Traffic light management
- ▶ Access control
- ▶ Vulnerable road users *VRU*
- ▶ Parking management
- ▶ Emergency vehicles
- ▶ Freight vehicles

# THANKS TO OUR PARTNERS

---



**Statens vegvesen**  
Norwegian Public Roads  
Administration

Kassel *documenta Stadt*



**Thank you!**

