

“Sharing Data from Shared Micromobility”

Resultaten & Inzichten



Micromobilitéit



Micromobiliteit & Data

- **Genereert grote datavolumes:**
 - Aantal voertuigen, ruimtelijke spreiding, status voertuigen, gebruikers, routes, tijdstip...
- **Interessante inzichten voor planning, management, handhaving, onderzoek**
- **Persoonlijke privacy en commerciële belangen**



■ **Waarom deze survey?**

- **Grote verschillen beleid en praktijk rond delen van data**
- **Wie deelt wat? Met welk doel? In welk format?**
- **Hebben organisaties de capaciteit & skills om data te delen en/of te analyseren?**
- **Input voor POLIS activiteiten rond 3 key topics:**
 - Overzicht datadeelbehoeften & use cases
 - Convergentie data formats
 - Toepassing dataprotocolen rond micromobiliteit op andere vervoerswijzen

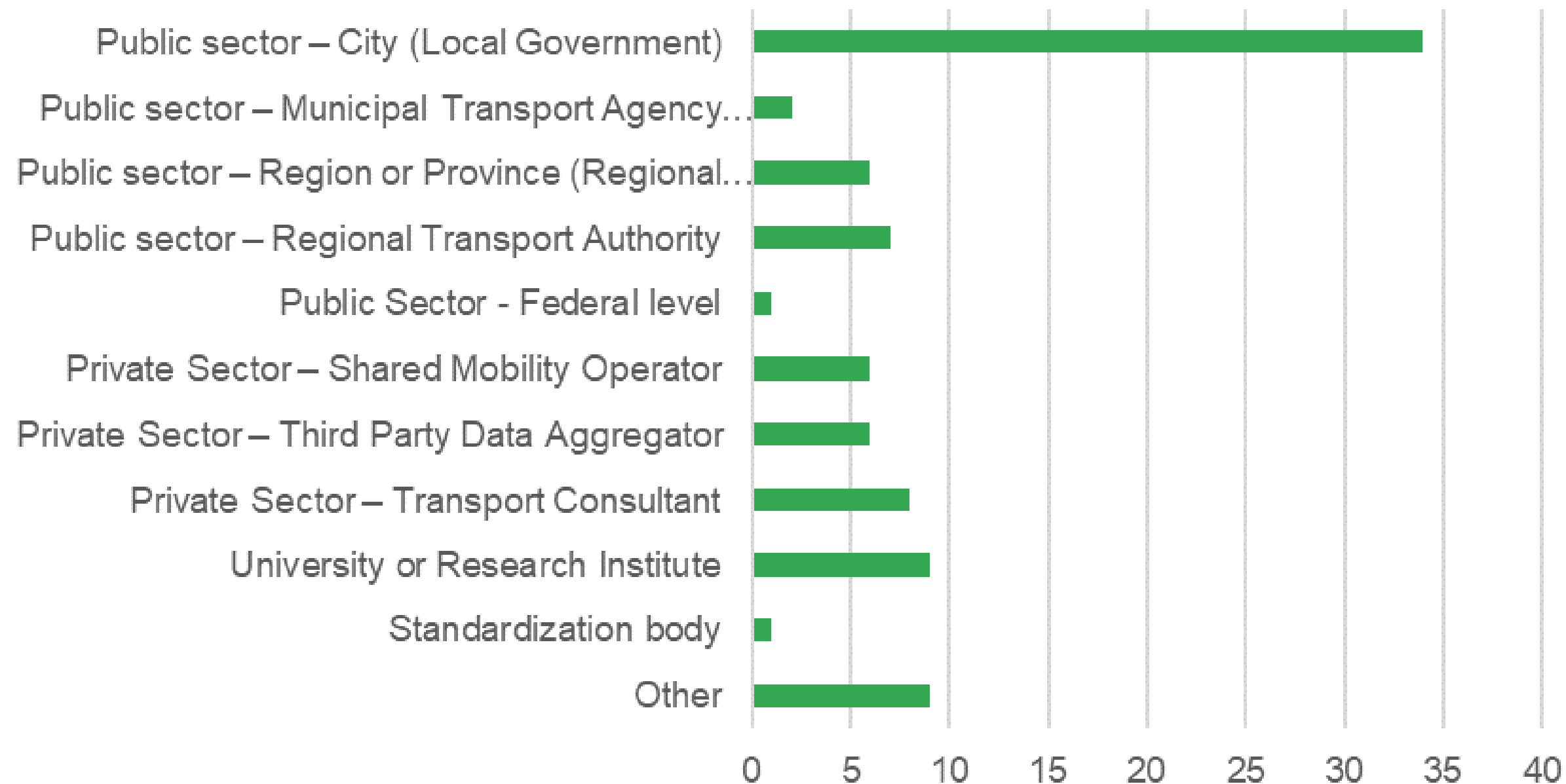


Survey

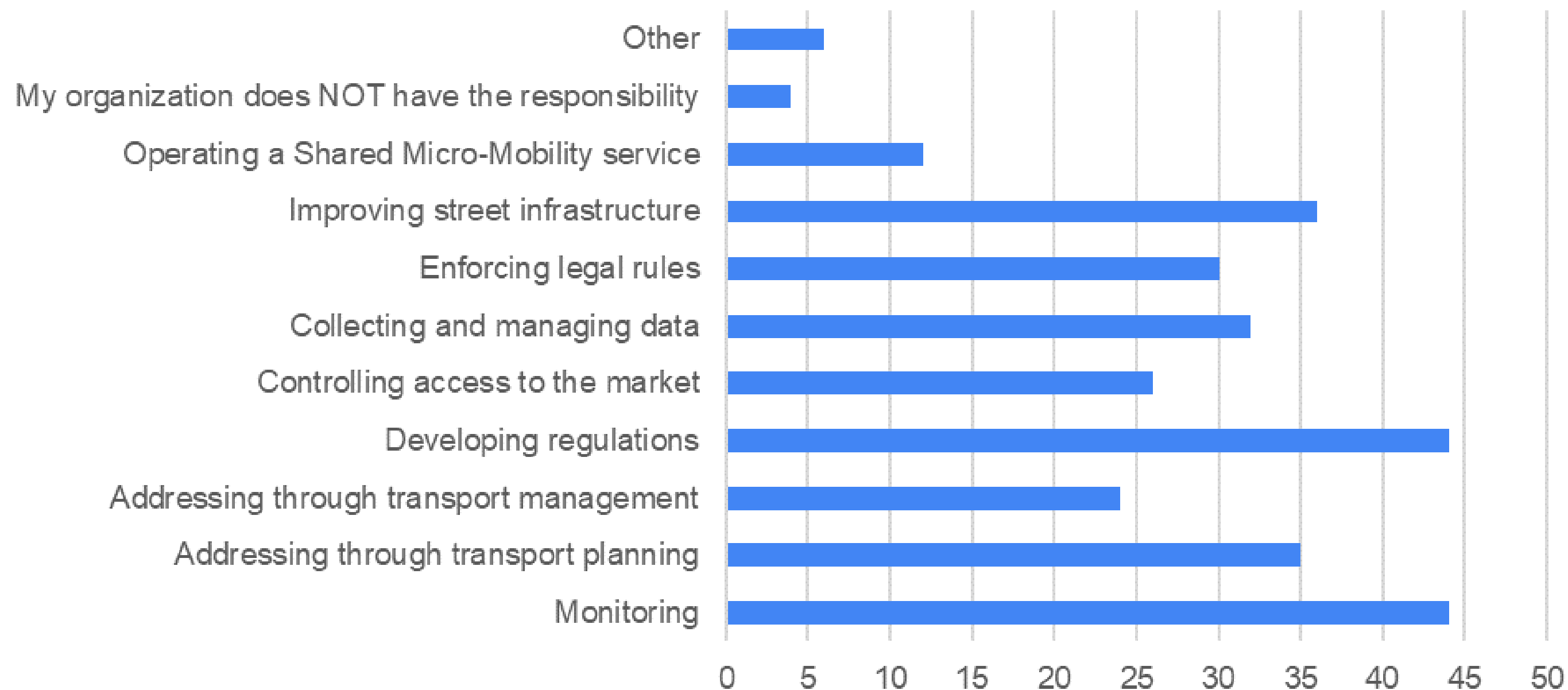
- Online
- Steden & Regio's
- Operatoren micromobiliteit & data aggregators
- Anderen actief in data sharing



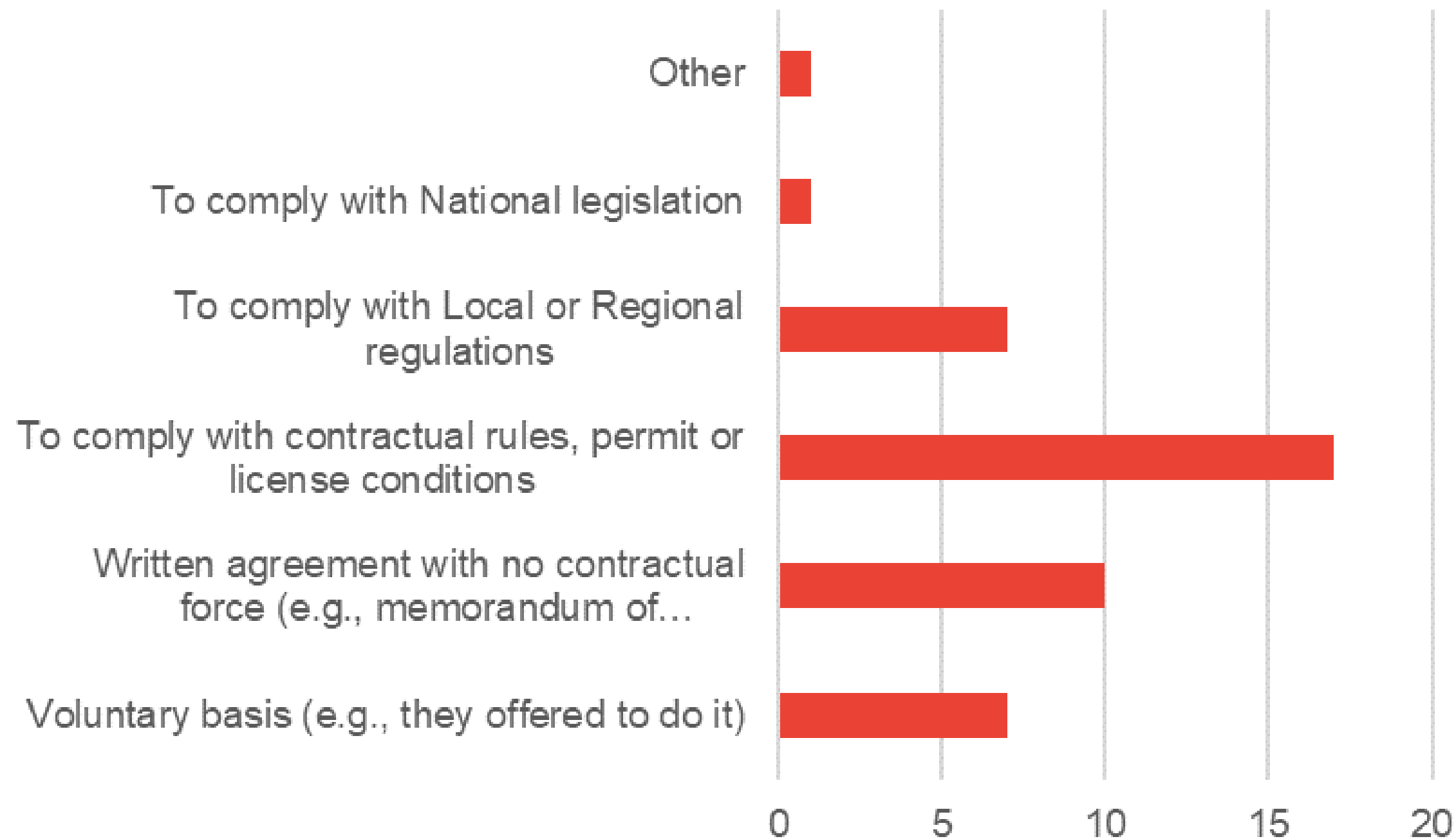
Deelnemers aan survey



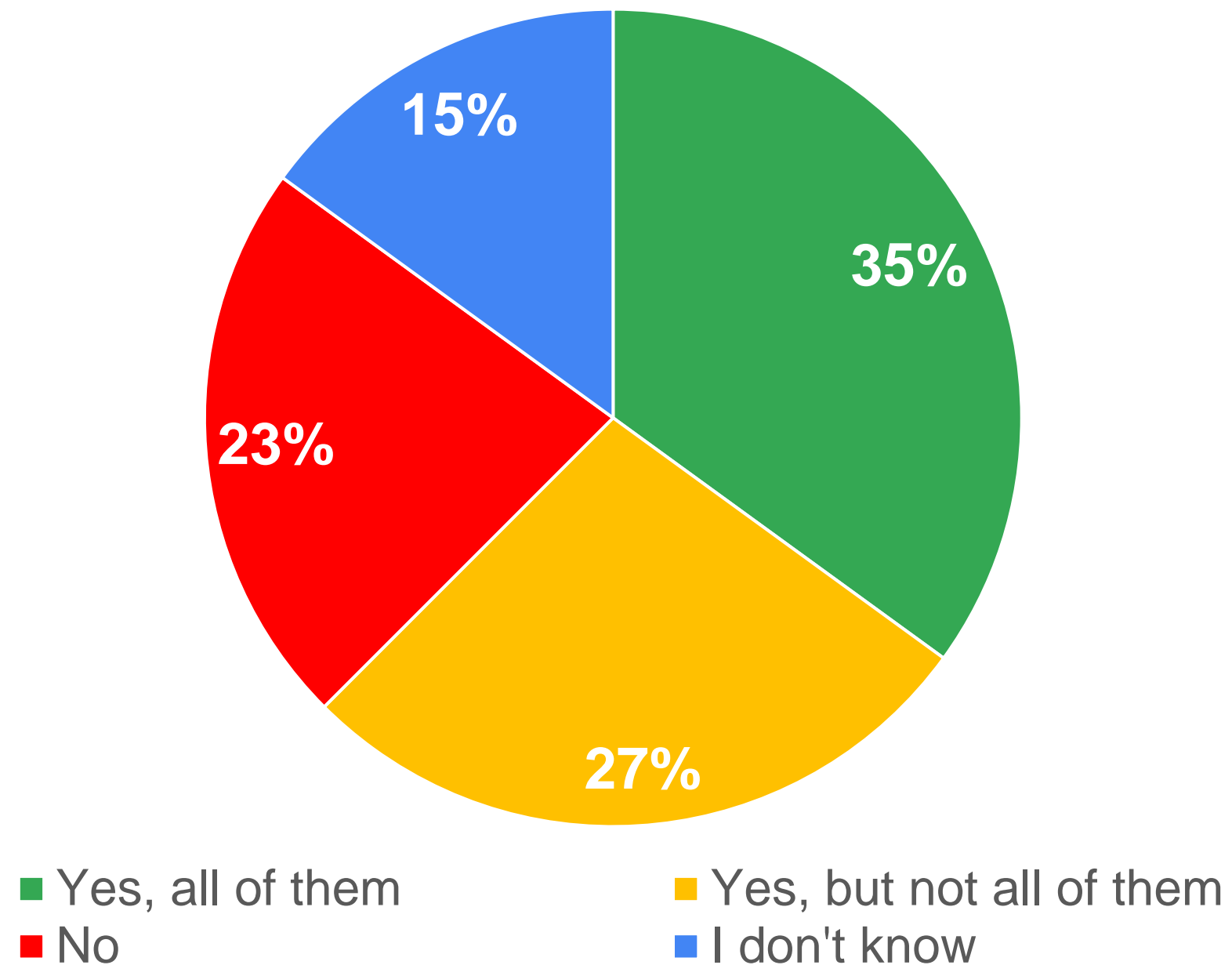
Taken van steden & regio's mbt micromobiliteit



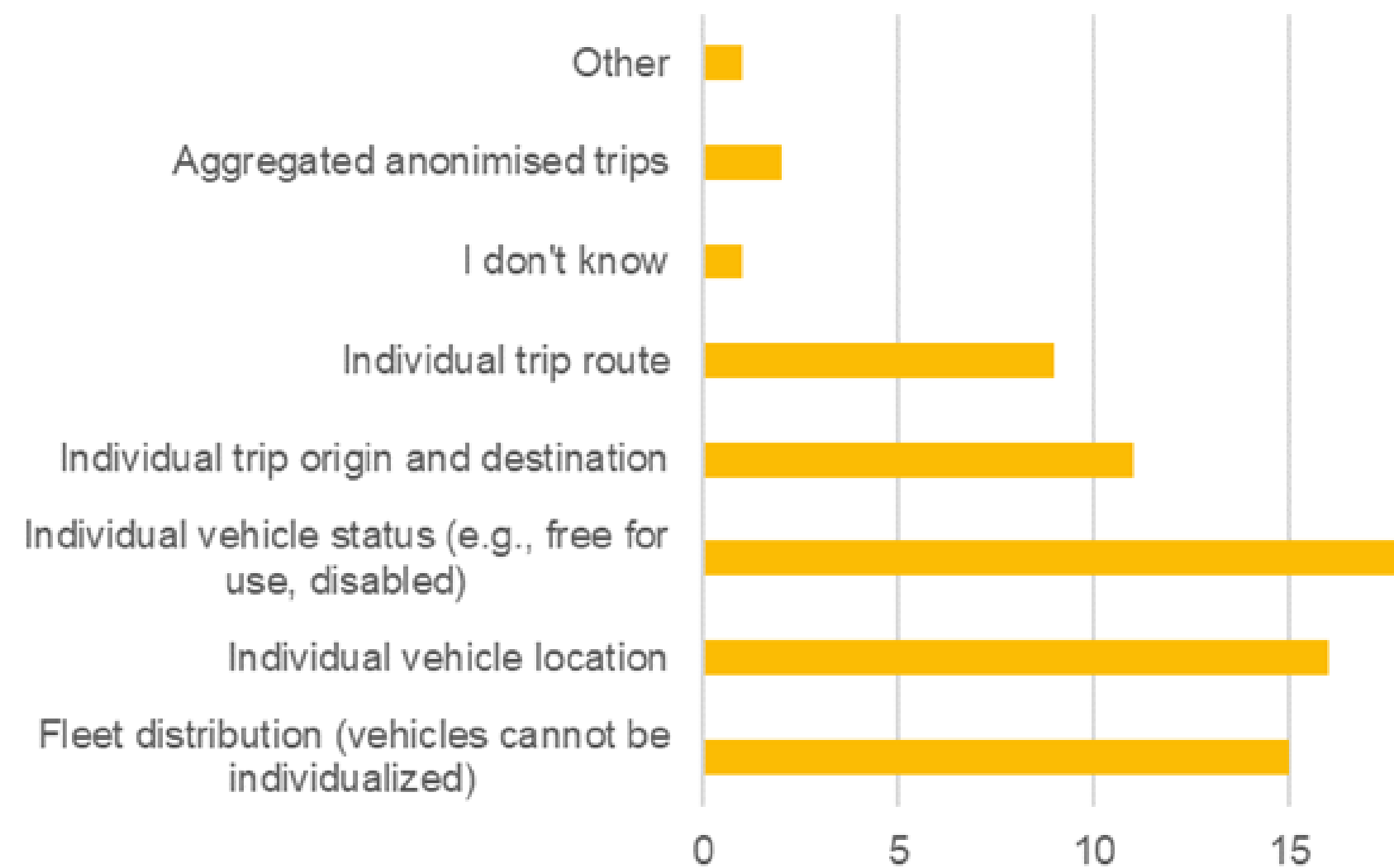
Data delen – op welke basis?



Delen operatorsen datasets met ruwe data?

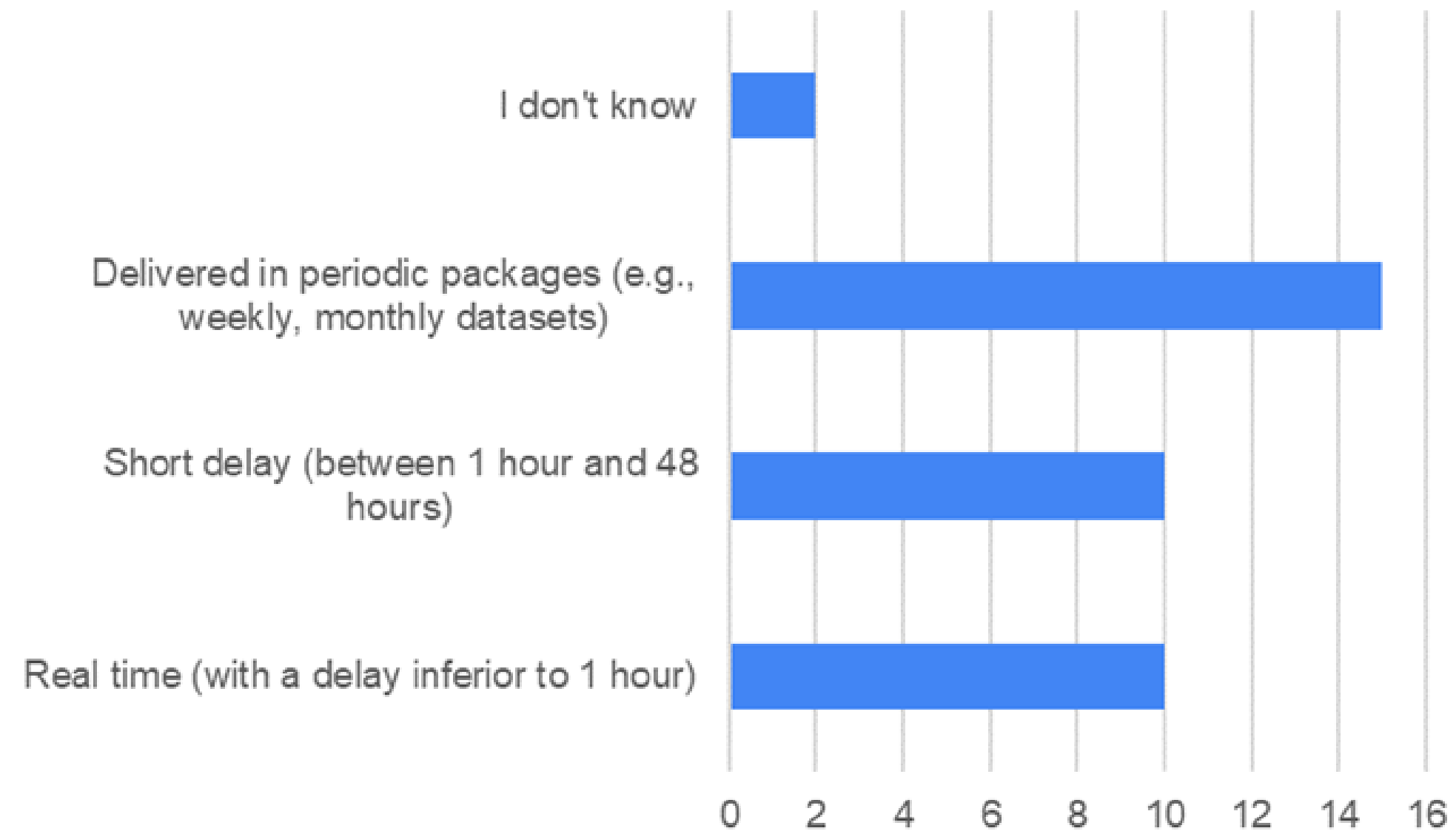


Datasets met wat?



“Very important is the granularity of the data. Though we do not want to collect personal data, we need individual data (of every single track), not aggregated data only.”

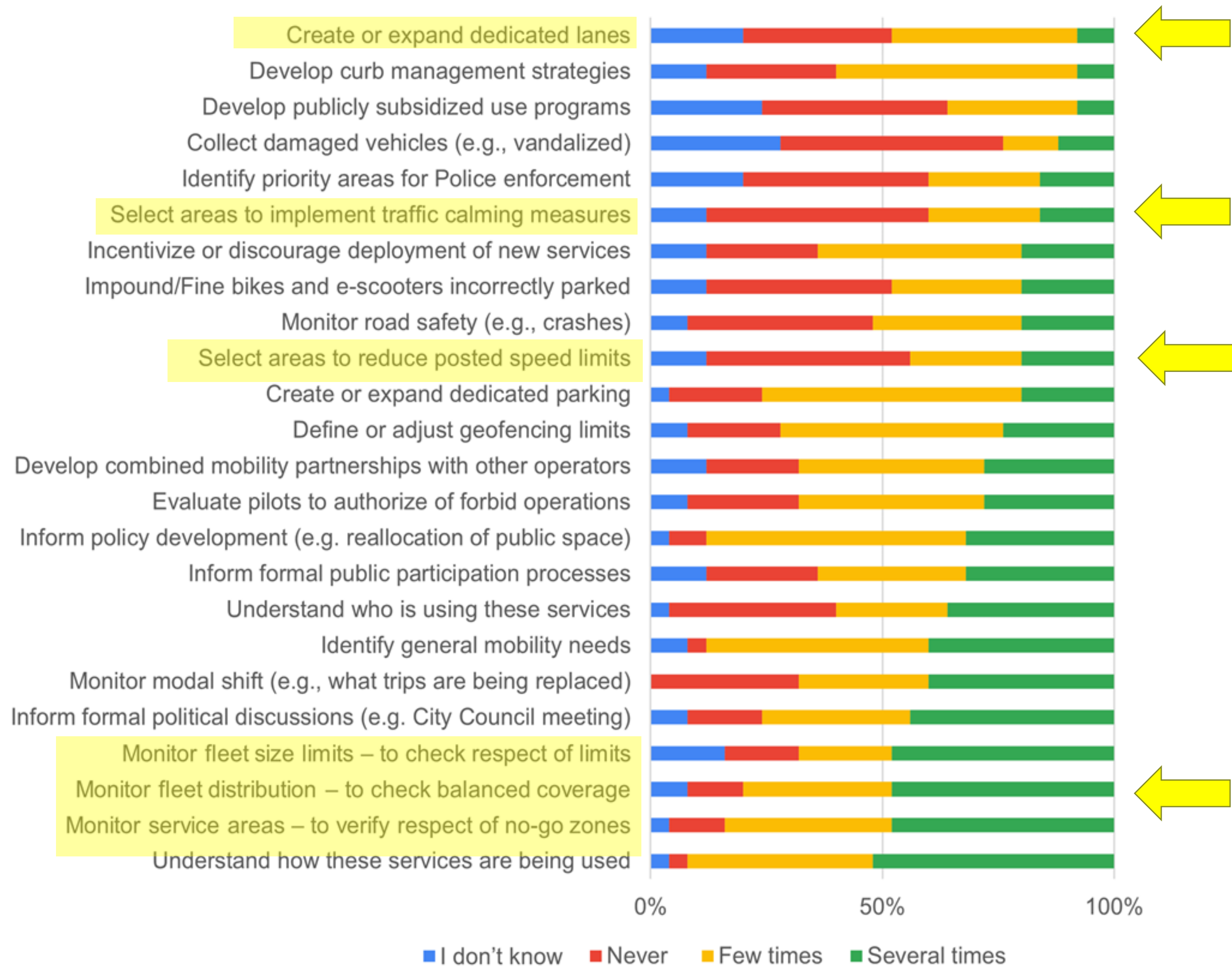
In real time, of met vertraging?



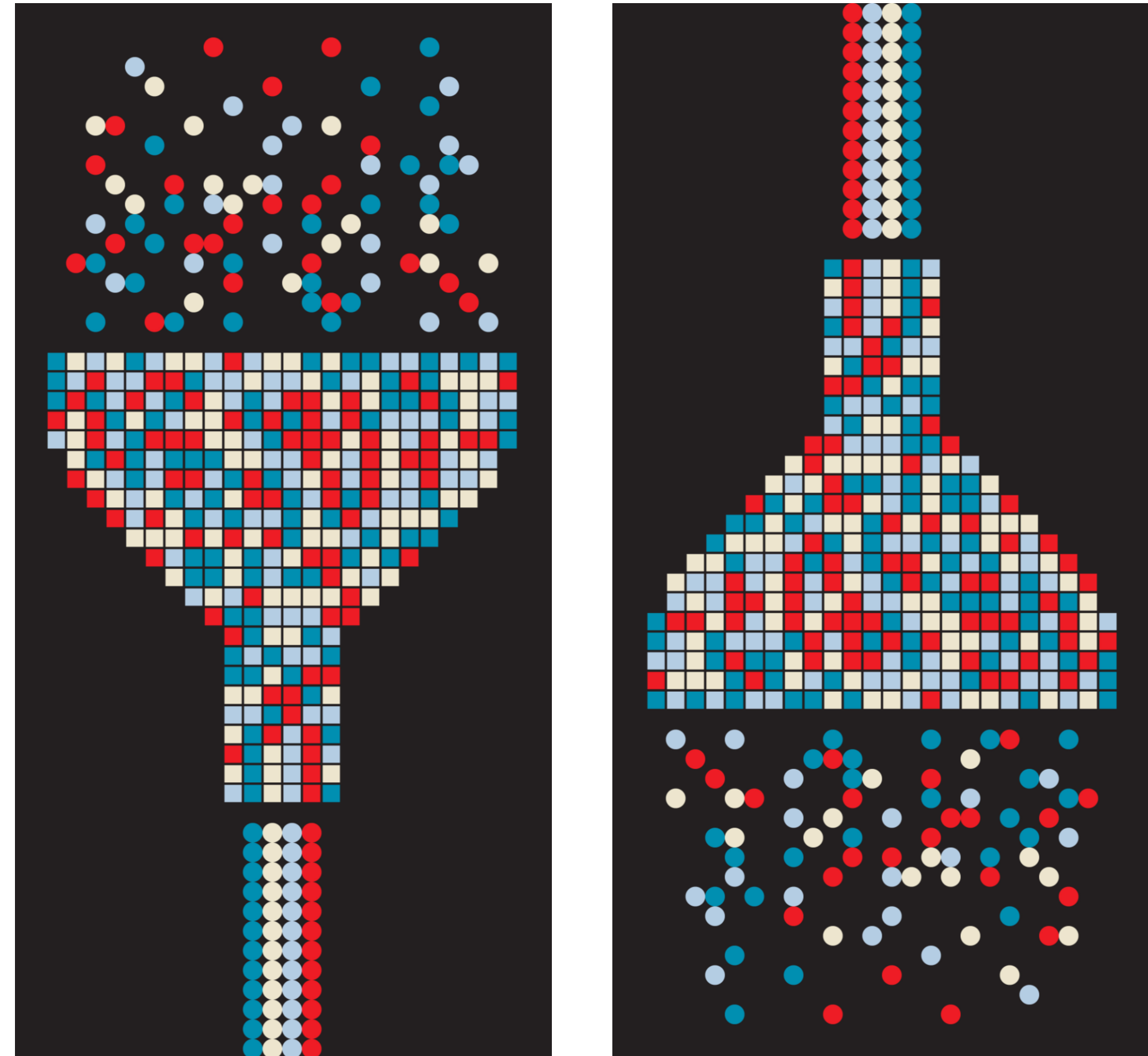
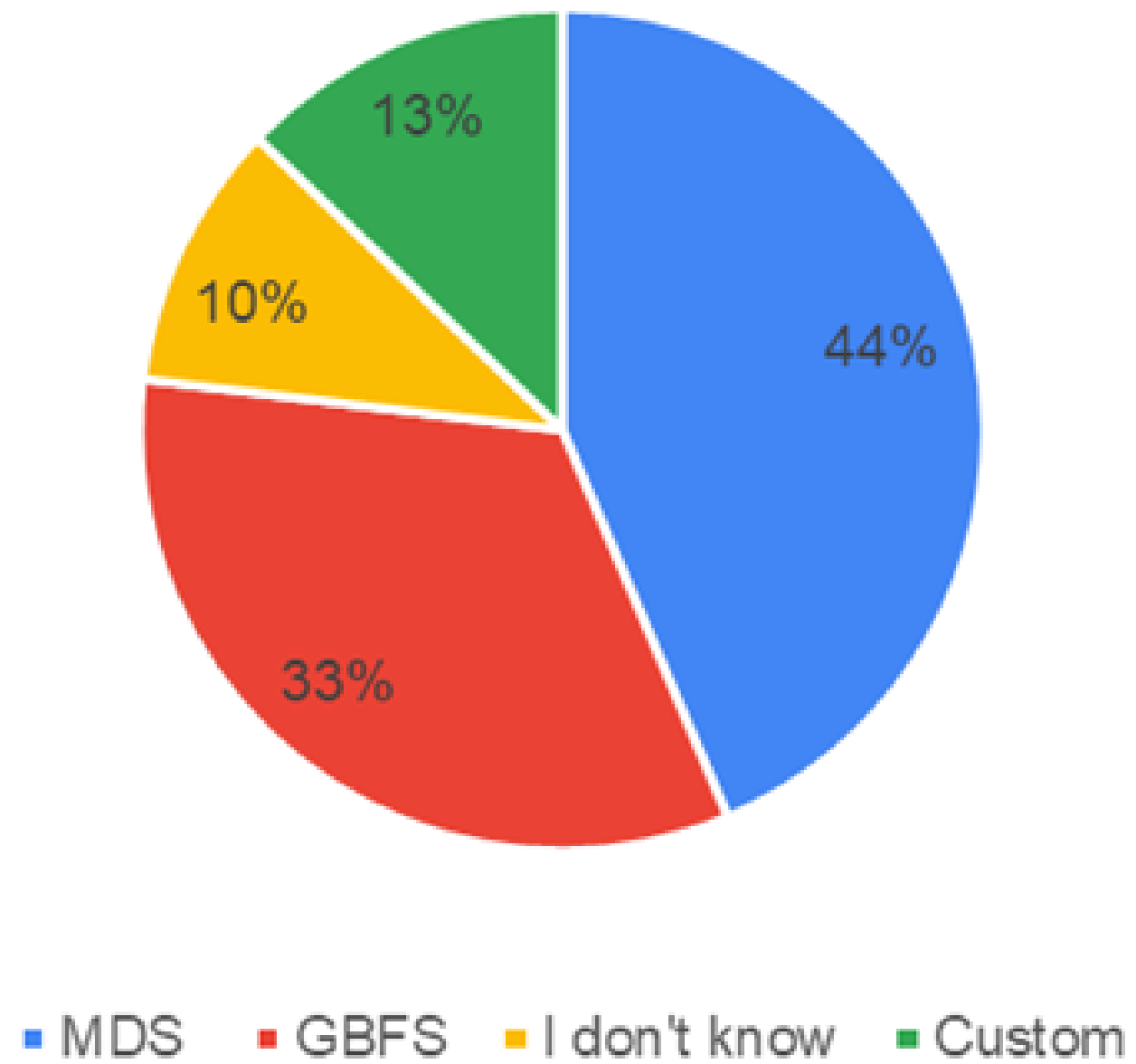


Waarvoor worden de data gebruikt door de steden en hoe vaak?

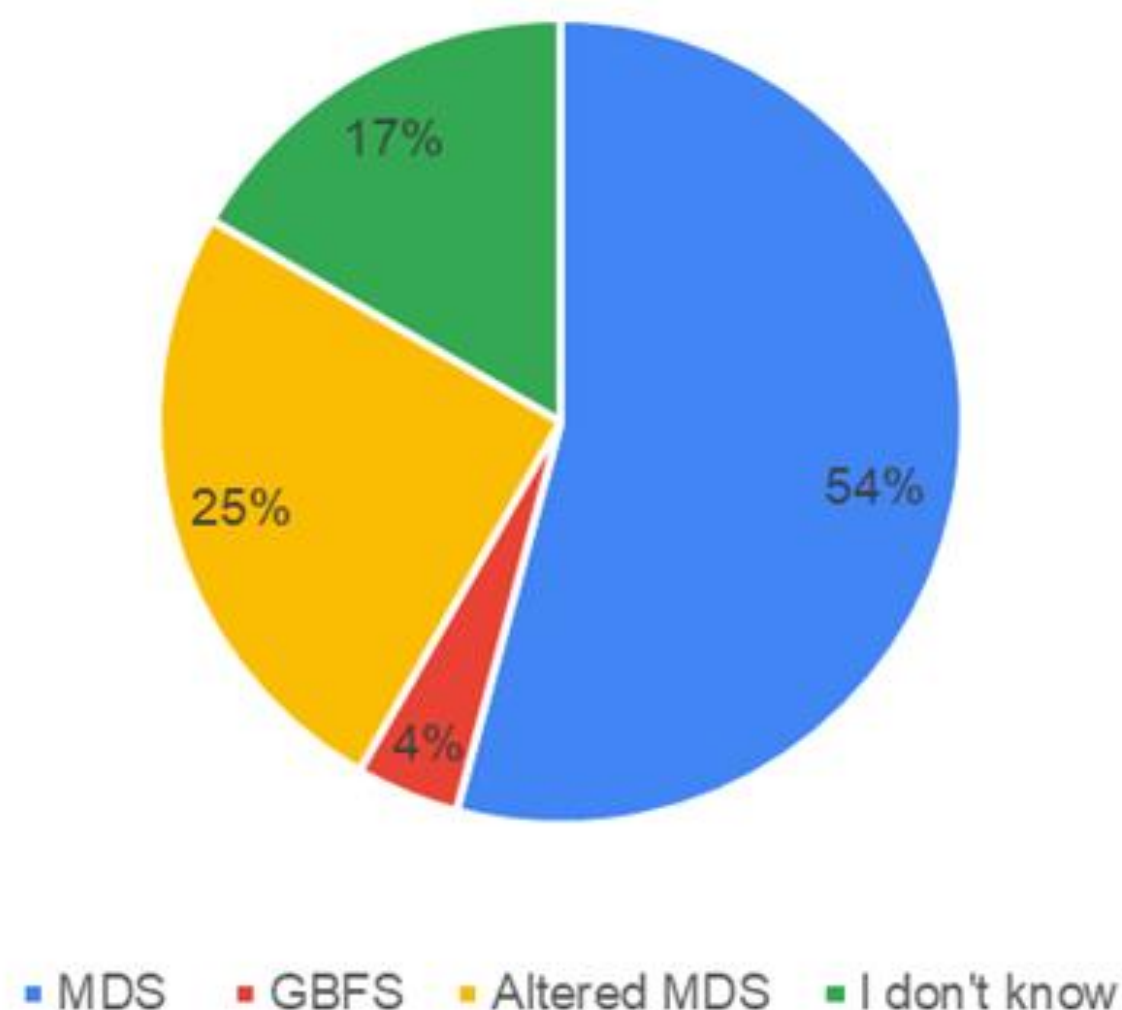
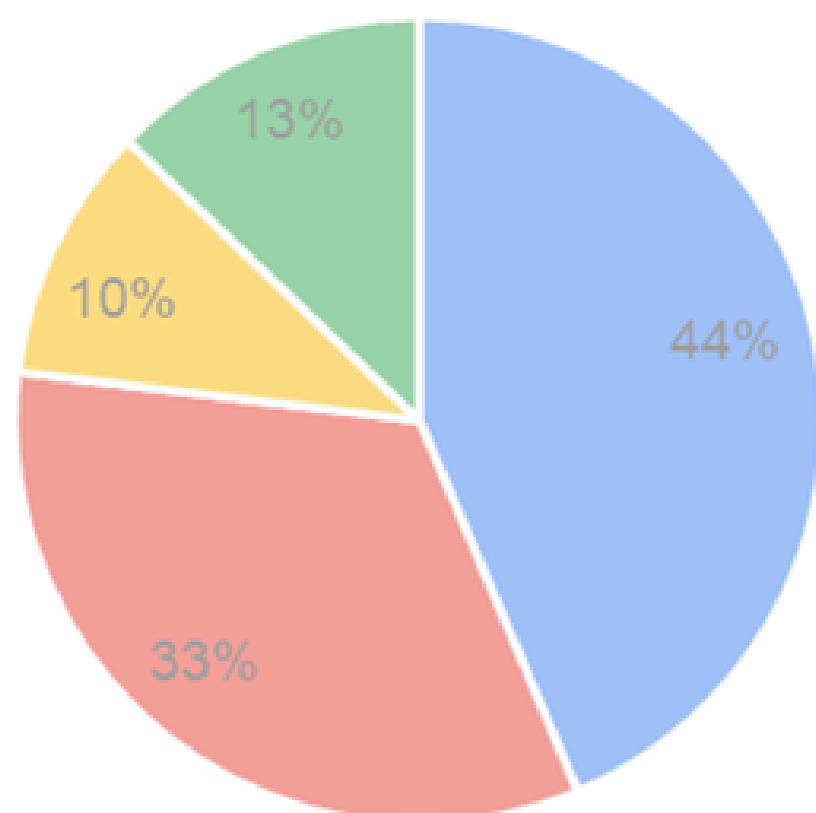




Welk data format gebruikt de lokale overheid?



Welk data format vindt de publieke sector het meest geschikt?



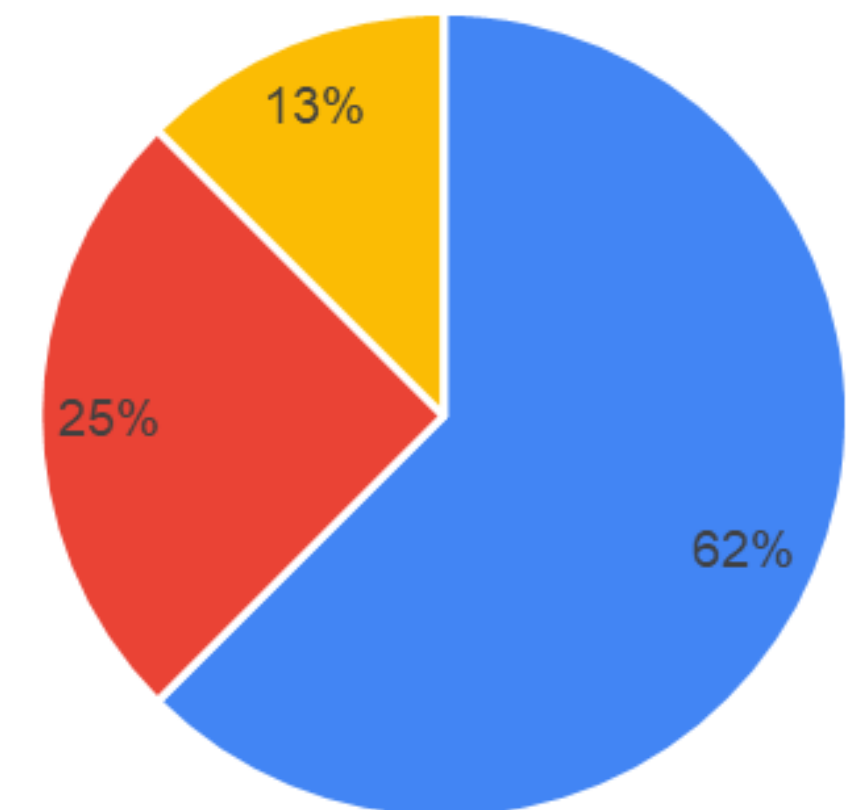
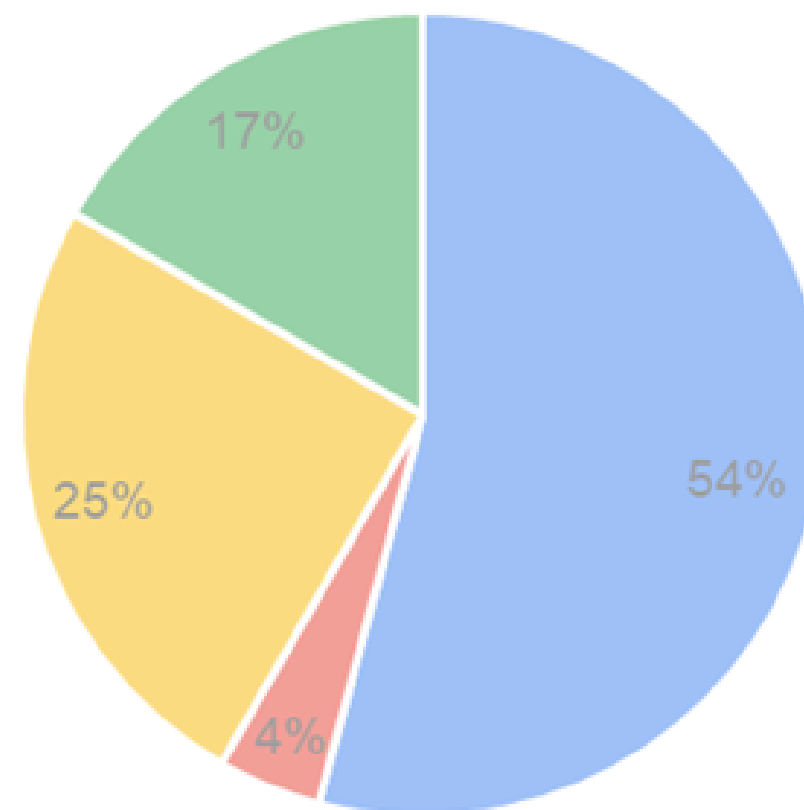
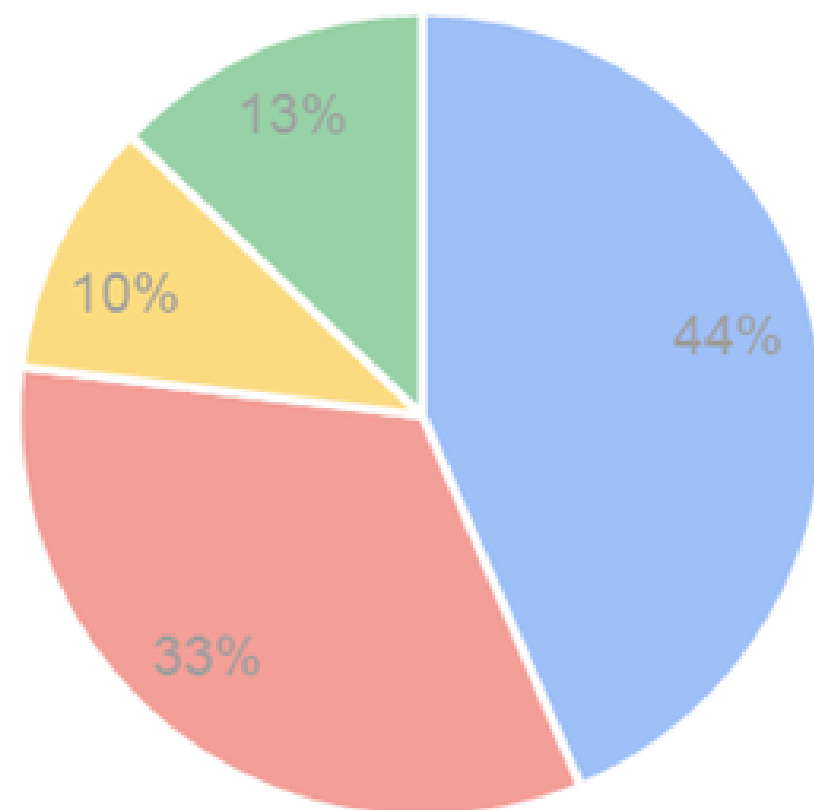
"GBFS provides location and status of parked vehicles, but does not comprehend vehicle type"

"MDS poses questions regarding privacy that have to be addressed and overcome; maybe a GBFS-Extended and an MDS-Light need to be considered"

"GBFS is critical for real-time operations and MDS is critical to historical analysis"



Data format – welke voorkeur hebben de operatoren?



■ MDS ■ GBFS ■ Altered MDS



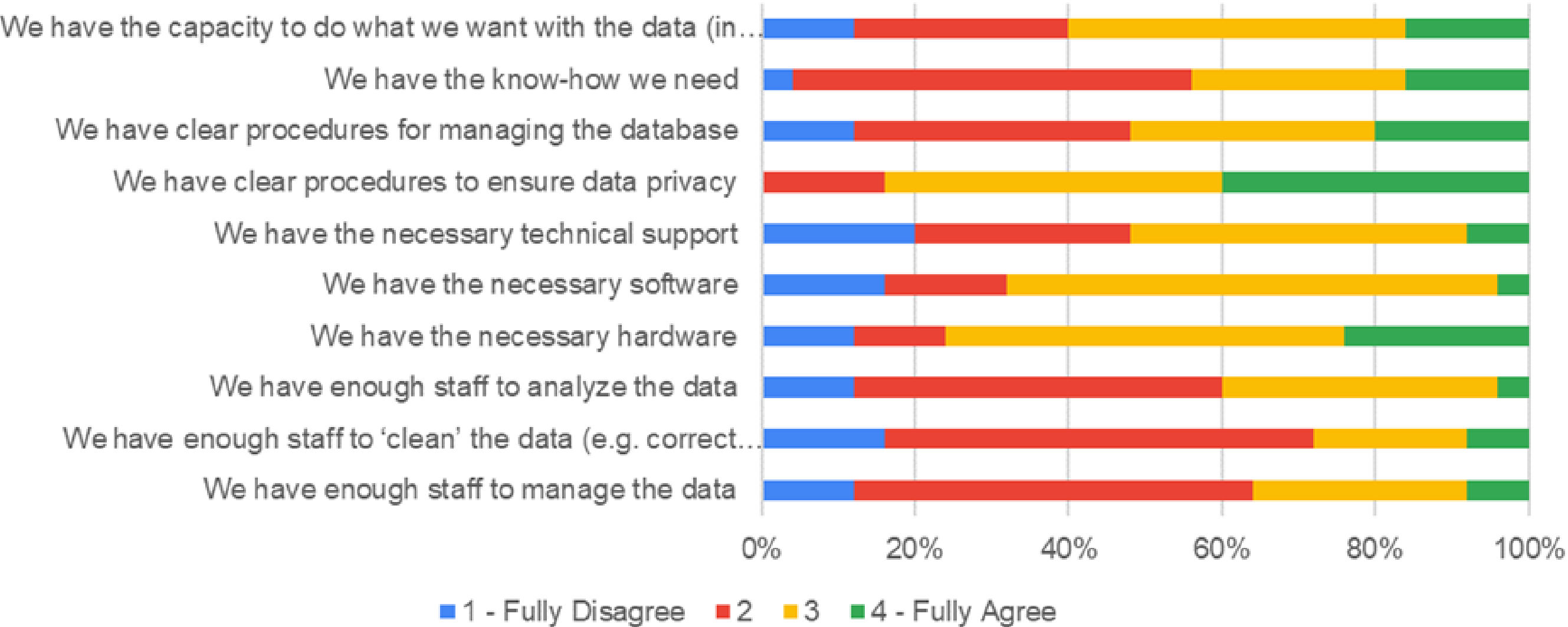
Heeft uw organisatie de nodige middelen?

- Human resources
- Know-how & expertise
- Hardware & software
- Organisatorisch kader
- Procedures & regels
- Technische

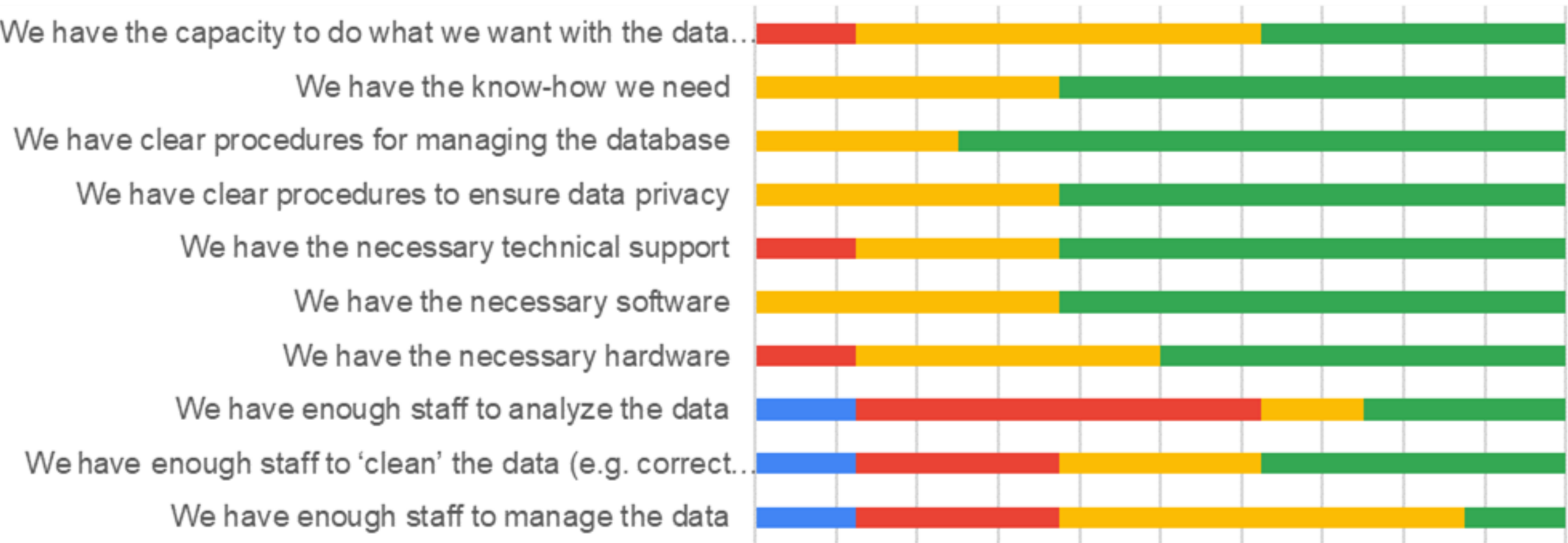
ondersteuning



Overheid

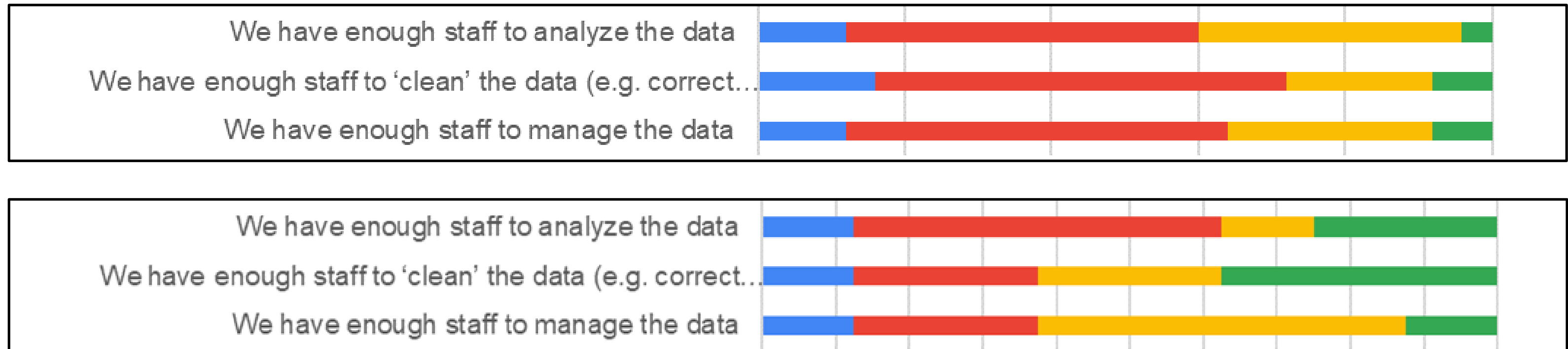


Operatoren

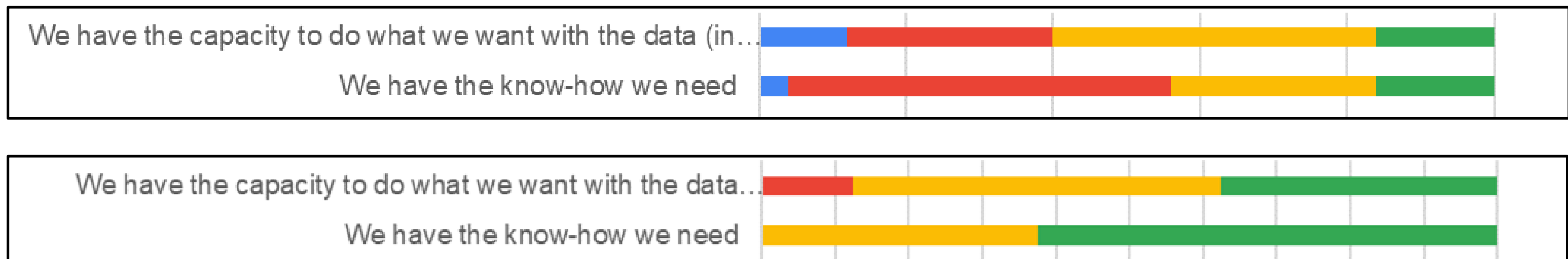




Personeel

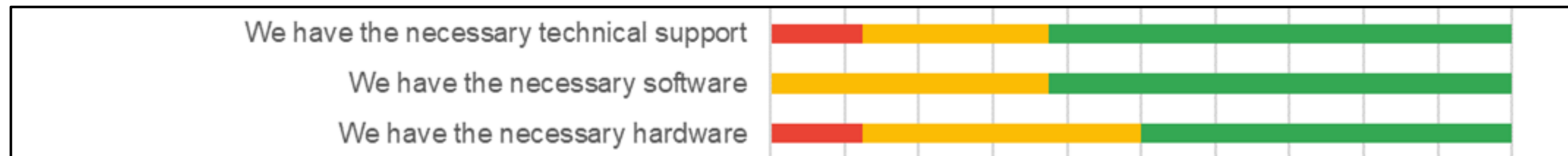
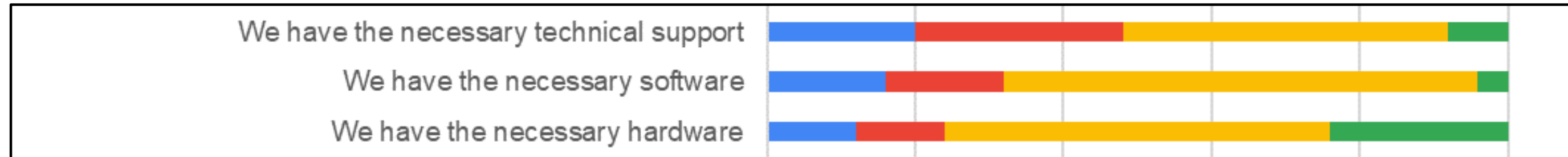


Know-how & capaciteit





Hardware, Software & IT ondersteuning

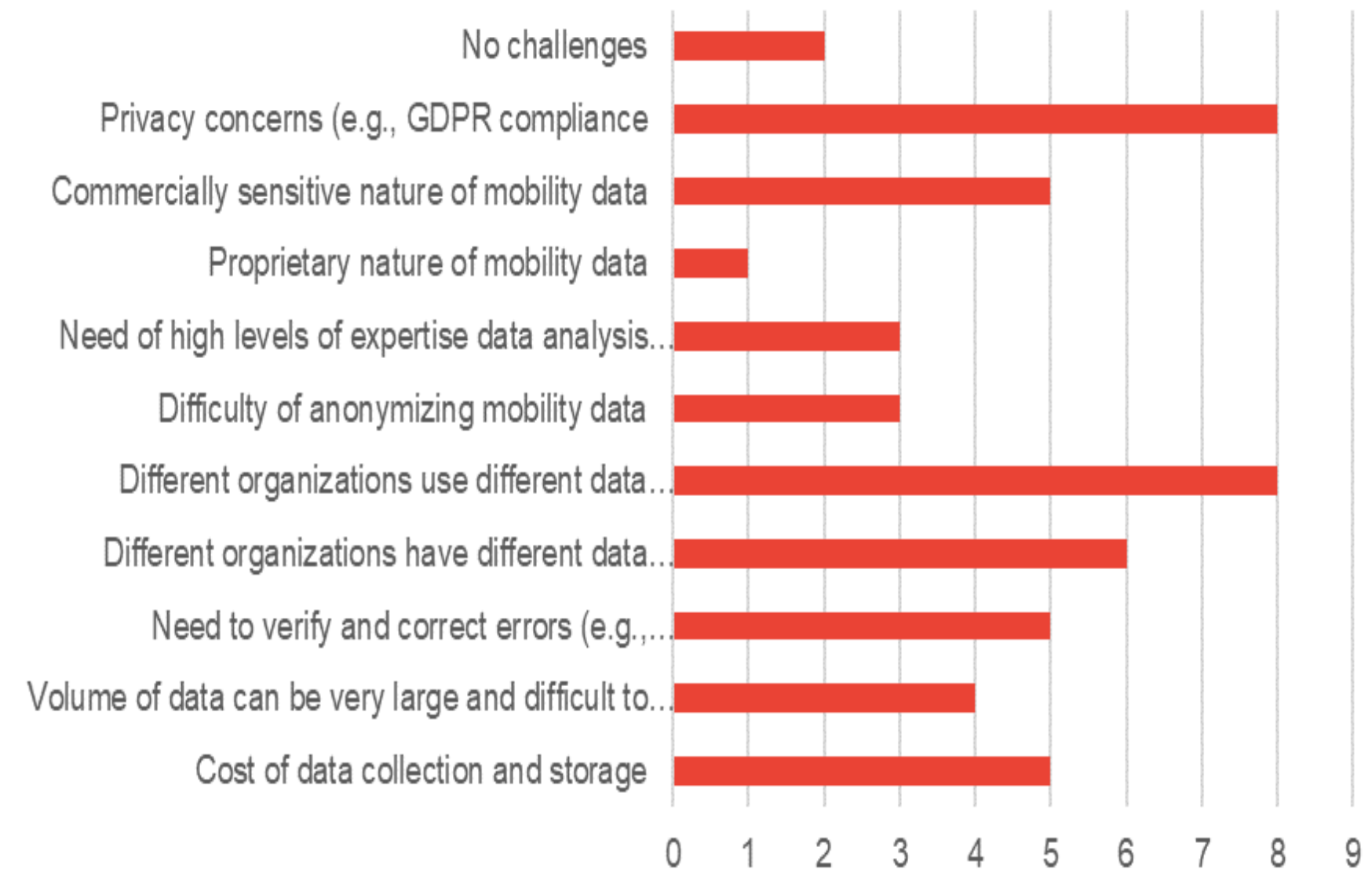
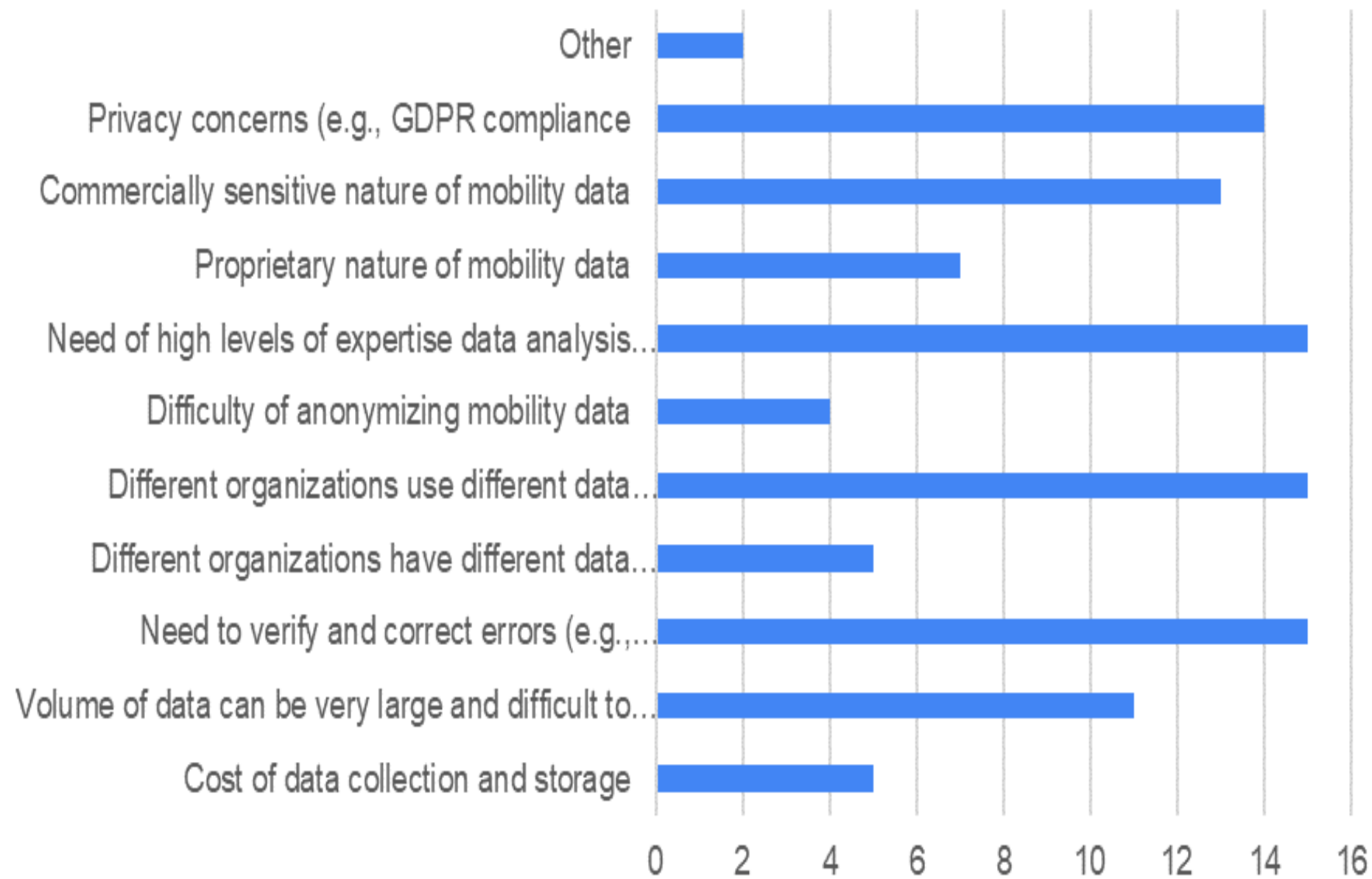


Duidelijke procedures voor beheer & privacy





Grootste uitdagingen bij datadelen micromobiliteit



Hoe het delen van data vergemakkelijken?

Door de operatoren:

- Standaardisering binnen de industrie
- Betere samenwerking met de overheid
- Integratie van operatoren in 1 dashboard
- Meer consistentie in data-analyse, meer ruwe data
- Technische ondersteuning

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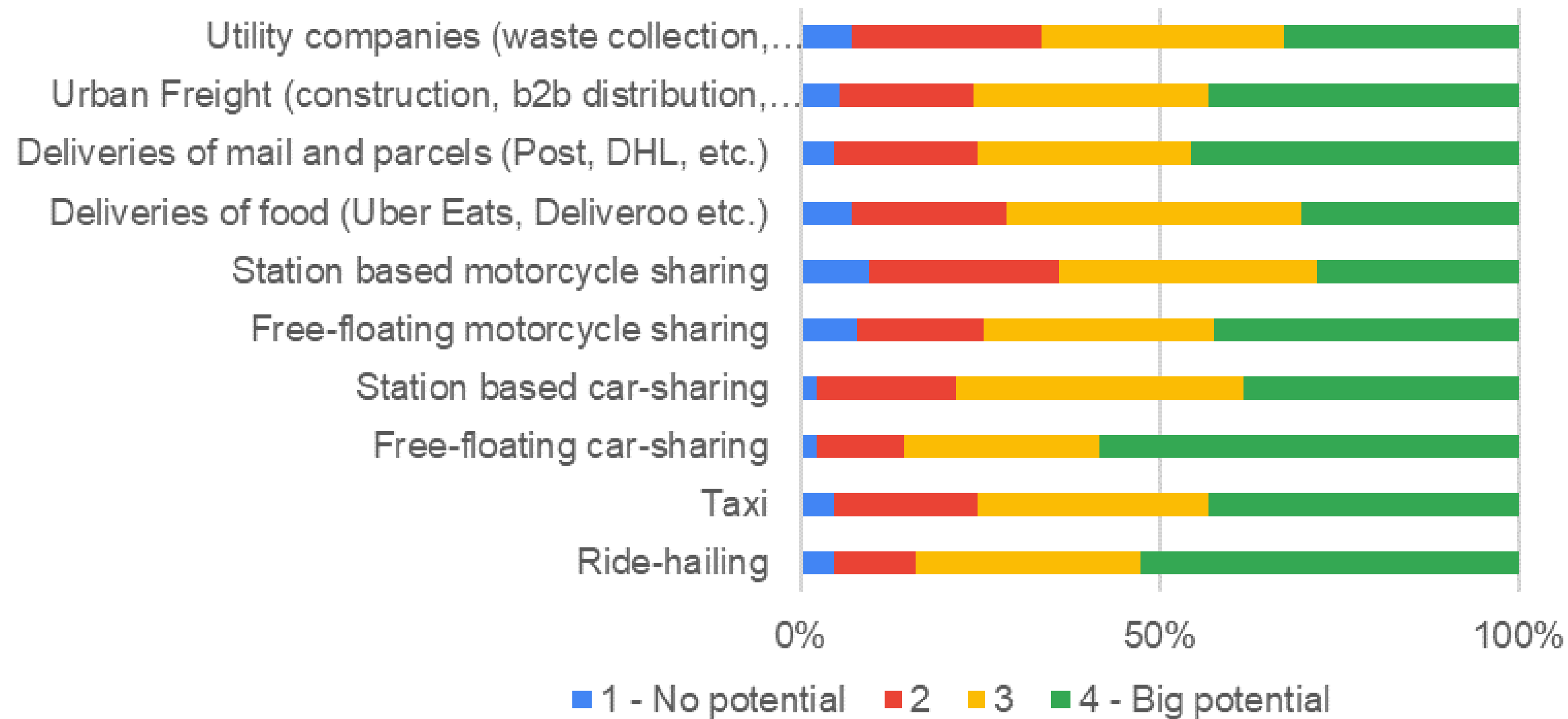


Door de steden:

- Adoptie van standaard met aandacht voor privacy en duidelijke use cases
- Duidelijke richtlijnen
- Betere data security, inclusief transparante regels met derde partijen, bijv. data aggregators
- Verplichting datadelen via permits

POLIS

Potential for other modes & services



Conclusie

1. Groot verschil in data skills
 2. Duidelijk beleid en procedures nodig
 3. 'Untapped potential'
 3. **Prioriteiten voor samenwerking:**
 - (A) privacy principes / code of conduct / GDPR
 - (B) use cases catalogus
 - (C) aanbeveling rond data format – Nederlandse City Data Standard - Mobility
- => POLIS Governance & Integration Working Group**





SHARING DATA FOR SHARED MICROMOBILITY

🕒 13/01/2021

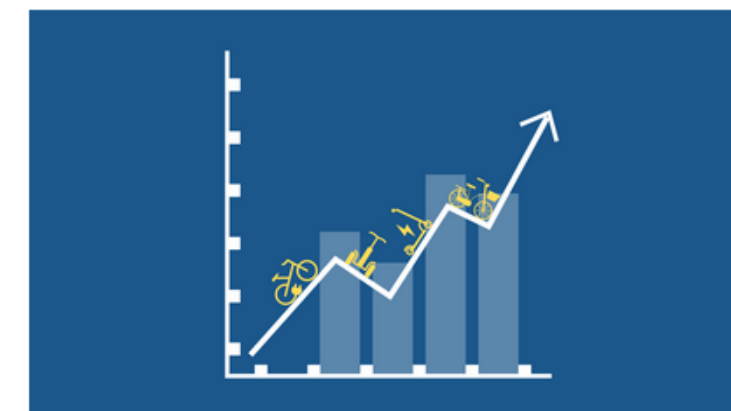
Sharing data for shared micromobility

The report "**Sharing data for shared micromobility**" summarises the findings from a survey on current practices and opinions about the sharing of data generated by shared micromobility services.

This exploratory survey was conducted to advance POLIS' ongoing work on three critical issues: data sharing needs and use cases, data specifications and formats, and application to other modes beyond micromobility.

125 respondents participated (almost half of which from local and regional public authorities), providing a practical portrait of current sharing practices, applications, challenges, and preferences for the future.

For more information about the report, please contact [Pedro Homem de Gouveia](#) or [Laura Babio](#).



www.polisnetwork.eu/document/sharing-data-from-shared-micromobility

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