Zero emission deliveries through smart procurement

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Brussels
BuyZET project

- Procurement of innovative solutions for zero emission urban delivery of goods and services

- 5 cities involved
  - Core cities: Rotterdam, Oslo, Copenhagen
  - Observer (partner) cities: Southampton, Brussels

- Timeline: Nov 2016 – Apr 2019
- Website: www.buyzet.eu
Almost all procured contracts involve transportation
### Procurement categories

#### 1. Own fleet
- Garbage trucks
- Office car fleet
- Maintenance staff
- ...

#### 2. Purchased transport services
- Bus services
- Social transportation
- School transport
- ...

#### 3. Other goods and services
- Construction
- Road maintenance
- Office supplies
- Cleaning services
- School catering
- ...

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BuyZET – Procurement of innovative solutions for zero emission urban delivery of goods and services
BuyZET – Activities

1. **Phase 1:** Identify goods and service procurement areas with highest ‘transportation footprint’ (Footprint mapping).

   Select two procurement areas to focus on

2. **Phase 2:** Carry out extensive market consultation and research for each procurement area

   Develop buyers groups if possible

   Prepare innovative procurement plans for each area
The way forward for the BuyZET cities

- Impact/footprint
  - Meaningful: the emission reduction realised has to be significant.
  - Doable: it has to be possible to realise the changes.
  - Visible: the achieved results have to be clear and demonstrable to people within and outside the organisation.
- Potential for snowball impact on the wider impact
- Replicability within the organisation.
# Footprint mapping - results

## Copenhagen

<table>
<thead>
<tr>
<th>Category</th>
<th>Tonnes CO₂</th>
</tr>
</thead>
<tbody>
<tr>
<td>Category 1 – Own fleet</td>
<td>2.964</td>
</tr>
<tr>
<td>Category 2 – Transport service</td>
<td>39.097</td>
</tr>
<tr>
<td>Category 3 – Delivery of goods and services</td>
<td>7.551</td>
</tr>
<tr>
<td><strong>Total for Copenhagen</strong></td>
<td><strong>49,612</strong></td>
</tr>
</tbody>
</table>
# Footprint mapping - results

## Oslo

<table>
<thead>
<tr>
<th>City of Oslo</th>
<th>Tonnes CO₂</th>
<th>Kilograms CO</th>
<th>Kilograms NOₓ</th>
<th>Kilograms PM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transport service Category 1</td>
<td>2,377</td>
<td>3,249</td>
<td>10,434</td>
<td>380</td>
</tr>
<tr>
<td>Transport service Category 2</td>
<td>2,159</td>
<td>2,635</td>
<td>6,177</td>
<td>89</td>
</tr>
<tr>
<td>Transport service Category 3</td>
<td>1,302</td>
<td>1,716</td>
<td>4,299</td>
<td>83</td>
</tr>
<tr>
<td><strong>Total for transport service Categories</strong></td>
<td><strong>5,838</strong></td>
<td><strong>7,600</strong></td>
<td><strong>20,910</strong></td>
<td><strong>552</strong></td>
</tr>
<tr>
<td>Public transportation</td>
<td>16,934</td>
<td>N/A *</td>
<td>64,960</td>
<td>6,093</td>
</tr>
<tr>
<td><strong>Total for the City of Oslo</strong></td>
<td><strong>22,772</strong></td>
<td><strong>7,600</strong></td>
<td><strong>27,406</strong></td>
<td><strong>6,645</strong></td>
</tr>
</tbody>
</table>
## Footprint mapping - results

### Rotterdam

<table>
<thead>
<tr>
<th>Emissions</th>
<th>Tonnes CO₂</th>
<th>kg NOₓ</th>
<th>kg PM</th>
<th>kg SO₂</th>
</tr>
</thead>
<tbody>
<tr>
<td>Category 1 – Own fleet</td>
<td>6,633</td>
<td>48,190</td>
<td>1,163</td>
<td>39.9</td>
</tr>
<tr>
<td>Category 2 – Transport service</td>
<td>19,420</td>
<td>112,984</td>
<td>3,833</td>
<td>114.6</td>
</tr>
<tr>
<td>Category 3 – Delivery of goods and services</td>
<td>2,632</td>
<td>8,321</td>
<td>676</td>
<td>18.6</td>
</tr>
<tr>
<td><strong>Total for Rotterdam</strong></td>
<td>28,685</td>
<td>169,494</td>
<td>5.672</td>
<td>173.1</td>
</tr>
</tbody>
</table>
BuyZET – Selected priority areas

1. Building and facility maintenance and repair services (Oslo, Copenhagen, Rotterdam)

2. Consolidation of deliveries (Copenhagen and Rotterdam)

3. Industrial waste collection (Oslo)

4. Construction material transportation (Rotterdam)
Get involved

Sign up to our Interest Group:

› **Access** to project meetings and study visits
› **Participation** in regular city update and thematic webinars
› Further **updates** on project activities
› Opportunity to **join** buyers groups
  ▪ Identify and engage with other public/private buyers = collaborative procurement actions
Discussion

- Any experience on (smart) procurement for transport?
- Mapping results:
  - Have you ever done something similar?
  - Similarities/differences wrt BuyZET cities?
- Priority areas (Building and facility maintenance and repair services, Consolidation of deliveries, Industrial waste collection, Construction material transportation):
  - Relevant for you?
  - Best practices to share?
Contact us

Reach us:
Visit the project website: www.buyzet.eu
Join the discussion at the BuyZET Procurement Forum Group: https://procurement-forum.eu/
Follow BuyZET on Twitter: @BuyZETproject
Join the BuyZET LinkedIn Group: BuyZET Project

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Partners: