1.2 Mobility and vehicles concepts
Paper 106

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IT System TRUCKINFORM.EU Helps Overcoming Parking Problems
Presenter

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This is what you will hear

- The problem and its dimensions
- The obvious solution
- A less obvious contribution: Information
- The TRUCKINFORM.EU platform
- Service 1: Information
- Service 2: Guidance
- Service 3: Booking
- Where to go from here
If only I had a decent and legal place to park!
The problem and its dimensions

- More than 100’000 parking spaces missing each night
- In Germany alone: 14‘000 spaces
- **Safety** risk for everyone because drivers park in dangerous places
- Drivers cannot take the **rest period** required by EU social regulations in time
- Drivers park in areas where personal and cargo **security** can be **threatened**
- Drivers are forced to park on sites without **sanitary infrastructure**
The obvious solution

- There are about 3'300 parking sites in Europe:
  ➔ build more parking sites
  ➔ extend the existing sites

BUT:
A less obvious contribution: Information

- The assumption: There are spaces available
- Knowledge about available locations is missing
- With an intelligent system places can be better utilized
- Additional parking areas can be used
- This is a contribution, not a full solution
The TRUCKINFORM.EU platform

- Developed by Move & Park as part of the EU Project SETPOS
- A Truly European System for all drivers and operators
- System builds on an information pyramid:
Service 1 - Information: Data collection

- A comprehensive inventory of sites at and close to the major European roads
Service 1 - Information: Search for data

Highway search
- Country*: Denmark
- Highway name*: E45
- Direction:
- Corridor width*: 7 km

You are here: HOME ➔ ADVANCED PARKING SEARCH ➔ SEARCH RESULT

urbane ressourcen TRUCKii... the pan-European platform for truck parking

www.irf2010.com
Service 1 - Information: Parking site details

<table>
<thead>
<tr>
<th>Location</th>
<th>Name / Operator</th>
<th>P</th>
<th>€</th>
<th>24</th>
<th>R</th>
<th>Info</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 A2 65, Einbeck</td>
<td>Autobahnstelle</td>
<td>280 places</td>
<td>?</td>
<td></td>
<td>MORE INFO</td>
<td></td>
</tr>
<tr>
<td>2 A2 between 66, Bormstett and 67, Inke</td>
<td>Resthof Börde Süd</td>
<td>81 places</td>
<td>12.8 km</td>
<td></td>
<td>MORE INFO</td>
<td></td>
</tr>
<tr>
<td>3 A2 between 63, Heinrichs Ost and 84, Alferstetten</td>
<td>Resthof Marienborn Süd</td>
<td>200 places</td>
<td>12.0 km</td>
<td></td>
<td>MORE INFO</td>
<td></td>
</tr>
<tr>
<td>4 A2 between 67, Inke and 66, Bormstett</td>
<td>Resthof Börde Nord</td>
<td>96 places</td>
<td>13.1 km</td>
<td></td>
<td>MORE INFO</td>
<td></td>
</tr>
<tr>
<td>5 A2 between 63, Marienborn/Heinrichs and 62, Heldstedt/Zentrum</td>
<td>Resthof Lappenfeld Nord</td>
<td>120 places</td>
<td>14.3 km</td>
<td></td>
<td>MORE INFO</td>
<td></td>
</tr>
<tr>
<td>6 A2 67, Einbeck</td>
<td>Autobahnstelle</td>
<td>250 places</td>
<td>16.0 km</td>
<td></td>
<td>MORE INFO</td>
<td></td>
</tr>
<tr>
<td>7 A2 between 62, Heinrichs-Zentrum and 63, Heldstedt-Ost</td>
<td>Resthof Heldstedt Süd</td>
<td>10 places</td>
<td>15.9 km</td>
<td></td>
<td>MORE INFO</td>
<td></td>
</tr>
</tbody>
</table>

R means parking can be reserved.
Service 2 - Guidance: Decision support

- Truck stop B: full
- Rest area 2: only 5 spaces available
- Truck stop A: full, or no data
- Rest area 1: 10 spaces available
Service 2 - Guidance: Assessment technology

Various technologies available for measuring site occupancy
Service 2 - Guidance: Strategies

- Linear strategy
- Area strategy
- Diversion strategy
Service 2 - Guidance: Signalling

...also in the vehicle

TPA around me
- 300m Richtung Ramstein
- 500m from exit
- 700m Richtung Feuchtwangen
- A99 Richtung Salzburg

...and on the internet

urbane ressourcen
TRUCK inform.eu
www.irf2010.com
Service 3 - Booking

- Advance booking is the ultimate service
  - for HGV drivers
  - it reduces search traffic
  - and optimizes space utilization
  - it benefits all drivers
Where to go from here

- **Available:** Comprehensive static information
- **Next steps:**
  - road operators should support open information systems
  - it is vital to think beyond mere national or regional information systems
  - road signalling is important; additional information systems should be integrated
  - parking area occupancy data have to be provided by private and public road and rest area operators
Thank you for your attention

…and may you always park safely and securely!

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