How do passengers get to and from the airport? Bike or rail?

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EU White Paper; air – rail aspects

Some relevant goals

(4) By 2050, complete a European HS rail network. …
(6) By 2050, connect all core network airports to the rail network, preferably high-speed; …. 
(8) By 2020, establish the framework for a European MM transport information, management and payment system

TRANSFORuM Roadmaps for the Transport White Paper
Ongoing project  www.transforum-project.eu

But how do people travel to and from airports (HS rail stations)? Where do they go? What do we really know?
## The global and European situation

**ACI study 2012**

### Modal split for travel to airports

<table>
<thead>
<tr>
<th>Region</th>
<th>Car</th>
<th>Rental Taxi</th>
<th>Bus</th>
<th>Rail</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>N. America</td>
<td>49</td>
<td>15</td>
<td>14</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>Middle East</td>
<td>56</td>
<td></td>
<td></td>
<td></td>
<td>22</td>
</tr>
<tr>
<td>Latin Am/Carrib</td>
<td>40</td>
<td>27</td>
<td>21</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Europe</td>
<td>37</td>
<td>20</td>
<td>17</td>
<td>16</td>
<td></td>
</tr>
<tr>
<td>Asia Pacific</td>
<td>34</td>
<td>9</td>
<td>24</td>
<td>19</td>
<td>8</td>
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<tr>
<td>Africa</td>
<td>47</td>
<td>22</td>
<td>14</td>
<td>10</td>
<td></td>
</tr>
</tbody>
</table>

Little info about final destinations
Airport Accessibility in Europe
DLR study for EC 2010
Access modes for all German airports

- Taxi: 18.0%
- Long-term parking: 15.2%
- Drop-off - short-term parking: 8.2%
- Drop-off - immediate return: 25.4%
- Long-distance train (InterCity/ICE trains): 4.1%
- Short-distance rail (Regional trains): 2.2%
- Metro rail ("S-Bahn"): 12.4%
- Underground: 0.2%
- Tram: 0.2%
- Bus/coach: 7.9%
- Shuttle service: 2.2%
- Rental car: 4.0%
Frankfurt FRA situation
Info from Fraport

52% of FRA pax are transfer pax (FRA is a European hub)

Remaining half come from these distances from FRA;

<table>
<thead>
<tr>
<th>Distance</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt; 50 km</td>
<td>40</td>
</tr>
<tr>
<td>51-100 km</td>
<td>18</td>
</tr>
<tr>
<td>101-200 km</td>
<td>22</td>
</tr>
<tr>
<td>201-300 km</td>
<td>9</td>
</tr>
<tr>
<td>&gt; 300 km</td>
<td>11</td>
</tr>
</tbody>
</table>
Frankfurt access modes
Info from Fraport

% 
IC/ICE trains 22
Regional trains 15
Bus (local) 2 (long distance bus still ”regulated”)
Other 61

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Hahn HHN airport access (DLR study) – compared to FRA
Difficult ground access by public transport and in general
but still an unexpected (?) rapid growth of passengers!
Copenhagen (CPH) - a truly international airport

Departing pax by mode %

- Local train: 10%
- IC train: 25%
- Metro: 20%
- Parked car: 6%
- Car dropoff: 16%
- Car rental: 1%
- Taxi: 17%
- Bus: 3%

x) > 50% from Sweden

O/D study in progress!
Stockholm ARN points out that there is a "cap" on airport emissions *including ground transport*. Are there any EU rules for this?
Barcelona area
DLR study for EC study 2010

DLR compares access to Barcelona’s three airports El Prat (BCN), Girona and Reus. Important and interesting points:

- Topography is difficult
- HS rail connection for BCN is ruled out
- HS rail to Reus is planned
- BCN has lost pax due to HS rail to Madrid
- Bus service to Girona is good but slow
- Bus service to BCN is very good
Bertil’s best and worst ground transport

**BEST**
- Bus: Barcelona, many others
- Train: CPH, Malaga 20 min int.

**WORST**
- Bus: Brussels 15 min int.
- Train: Pisa, Paris CDG
Suggested further action

German Rail&Fly reasonably easy to find on Lufthansa
Swedish SJ-SAS connection guarantee difficult to find
AF/SNCF doubtful

Airlines have a lot of info about car hire but very little about Public Transport

Improve information about PT at destination airports.
This is almost non-existent on airline booking sites but often quite OK if you log on to airports’ sites!

Improve through ticketing for ground transport – covering a destination zone
Sources for this presentation

Maps, photos
- Öresund map courtesy Schweers & Wall
- Öresund train Fredrik Tellerup
- Spanish train interior RENFE
- Pisa airport train B Hylén

Reports etc.
- EU White Paper 2011 COM(2011) 144 final
- Airport Service Quality, report for Airports Council International 2012
- Airport accessibility in Europe DLR Report for EC. TREN/05/MD/S.07.74176
- Region Skåne Memo 24 nov 2013
- E-mail from Fraport 9 Jan 2014
- Swedavia press info 10 Dec 2013
- Info from ELTIS, SJ, SAS, Lufthansa, DB, AF, SNCF web sites
South Sweden and east Denmark
Map courtesy Schweers+ Wall