

**EasyWay**



Annual Forum 2010



**Shortcut to the future.**

Lisbon • November 16<sup>th</sup>-18<sup>th</sup>



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## EasyWay pilot

Intermodal trip planner connecting  
selected regions in Europe  
(London-Munich-Vienna)

**Ulrich Haspel**

Bavarian Road Administration



## Intention of the pilot

- There are diverse trip planners in all different European countries and regions, that are capable of calculating multimodal and intermodal routes
  - **Multimodal** means the different transport modes are shown in comparison, e.g. one urban route compared between use of public transport vs. bicycle vs. car)
  - **Intermodal** means, that different transport modes are connected, e.g. interurban route with one part of the journey with the car and a mode change to public transport when approaching a conurbation → Park&Ride
  - Very advanced and also rather similar systems are being operated in Bavaria, the Vienna and the London region
  - The Bavarian Road Administration pursues the concept of intermodality in Traffic Information Systems
- Idea to demonstrate a European potential to connect systems for a **European Door-to-Door-Routing**
















## Starting point

- Requirements for a dynamic, fully intermodal European service
  - common or connected georeferencing system for all regions
  - exchange of timetable information
  - exchange of dynamic traffic information for roads
  - exchange of dynamic traffic information for public transport
- it would take high effort to meet these requirements
- to combine isolated regions there is the option of distributed routing, especially as the air transport has an important function for the regions to be connected



## Transport for London – Journey Planner

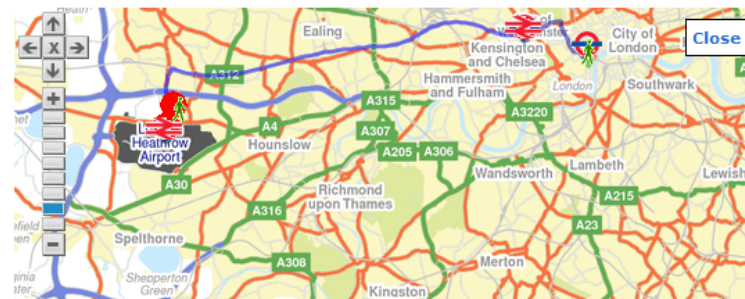
<p>13:16</p> <p>13:28</p> <p>13:43</p>	<p>        </p>	<p>           </p>	<p> <b>Paddington National Rail Stn</b>                  Walk to Paddington             </p> <p> <b>Paddington Underground Station</b>                  Take the <b>Bakerloo Line</b> towards                  Elephant &amp; Castle             </p> <p>                 Zone(s): 1             </p> <p> <b>Charing Cross</b>                  Walk to London, Downing Street                  (middle)             </p> <p> <b>Downing Street (middle)</b> </p>	<p> <b>Transfer time:</b>                  8 mins   </p> <p> <b>Average                  journey time:</b>                  12 mins  <b>Zone(s):</b> 1             </p> <p> <b>Transfer time:</b>                  15 mins   </p>	<p>                 Paddington                  National Rail Stn   </p> <p>                 Paddington                  Underground                  Station   </p> <p>                 Charing Cross   </p> <p>                 London, Downing                  Street (middle)   </p>
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**Maximum journey time:** 01:29

**Interchanges:** 2

Not what you expected? [Click here](#) for information on planned service disruptions.

Please check ticket options and fare prices at <http://www.tfl.gov.uk/faresandtickets>.





## Vienna Region Journey Planner „AnachB“

A nach B .at

[Routenplaner](#)
[Radroutenplaner](#)
[Park & Ride](#)
[Verkehrslage Straße](#)

[Impressum](#)
[Hilfe](#)

**Meine Eingabe**

**Start:** Wien, Mariahilfer Straße 83  
**Ziel:** Schwechat, Flughafen Wien (VIE) Bahnhof  
**Abfahrt:** Am 13.07.2009, um 14:23  
**Verkehrsmittel:**  
 ÖV: zeit kürzeste Verbindung, max. 15 Min Fußweg  
 Fuß: Gehgeschwindigkeit normal  
 Rad: Bevorzugung von Radinfrastruktur, besonders starke Bevorzugung von Radwegen, Radstreifen und autofreien Strecken, Steigungen vermeiden

Ändern

**Suchergebnisse**

1. [Fahrt](#)

Dauer **38 Min**

1x umsteigen

Abfahrt **14:16**

[Fahrtstrecke](#)

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ca. 4 Min Fußweg

**ab 14:16** Wien Mariahilfer Straße 83  
[Teilstreckenplan](#)

**an 14:20** Zieglergasse  
[Umgebungsplan](#)

ca. 2 Min Fußweg

[Weqbeschreibung anzeigen](#)

↑

←

→

↓

+

-

U

A

Wizard

Karte

Luftbild

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## Bavarian Journey Planner „Bayerninfo“

**BayernInfo** Ihr aktuelles Infoportal rund um Reise und Verkehr

Oberste Baubehörde im Bayerischen Staatsministerium des Innern

Deutsch | Englisch | Kontakt

Home | Reiseauskunft | Verkehrslage | Bayernnetz für Radler | News BayernInfo | ?

**Reiseauskunft**

Datum: 13.07.2009  
Abfahrt: 14:38 Uhr  
Start: 80539 München, Franz-Josef-Strauss-Ring 4 (Adresse)  
Ziel: München Flughafen München (Haltestelle)

Alle | Fuß | Rad | ÖV | P+R | PKW

Übersicht | Route 1 | **Route 2** | Route 3 | B+R

Fußweg zur Haltestelle	Länge	Dauer
↑ Franz-Josef-Strauss-Ring	175 m	14:25
← Sigmundstraße	119 m	
→ Seitzstraße	18 m	
← Christophstraße	80 m	
↑ Liebigstraße	27 m	
→ Sankt-Anna-Straße	155 m	14:36

Rückfahrt | Weiterfahrt  
Neue Route | Route ändern

Impressum | Sitemap | Links | AGB

Map navigation: 13.07.2009 14:38

Map features: Menü, Startpunkt, Zielpunkt, Legende

Map content: München, Flughafen München, A92/E53, A99/E45/E52, A94, B13, B47, B39, A8, A94/E52

© PT/VN/VEQ/AND/INTREST



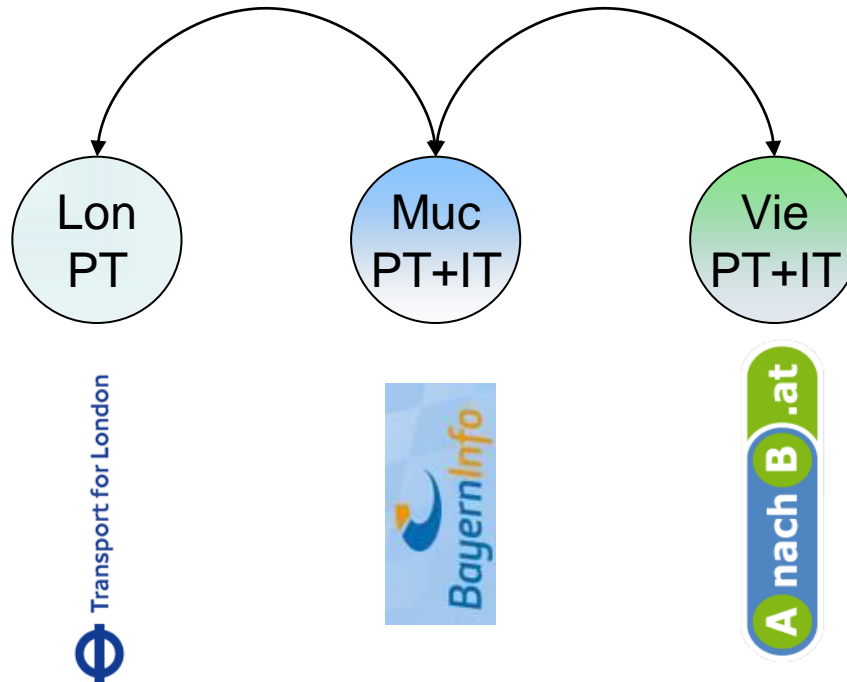
## Design of the service

- The decision was taken to design a service that offers:
  - door-to-door routing to the airport,
  - a flight connection,
  - door-to-door-routing from the airport to the final destination, with the user knowing his flight.
- Supported the airports:
  - Munich (MUC)
  - Nuremberg (NUE)
  - Memmingen (FMM)
  - Vienna (VIE)
  - London Heathrow (LHR)
  - London Gatwick (LGW)
  - London Stansted (STN)
  - London City Airport (LCY)




## Design of the service

Technically the service will combine routes from the three systems together with the actual flight plans





## Homepage proposals



Hilfe Impressum

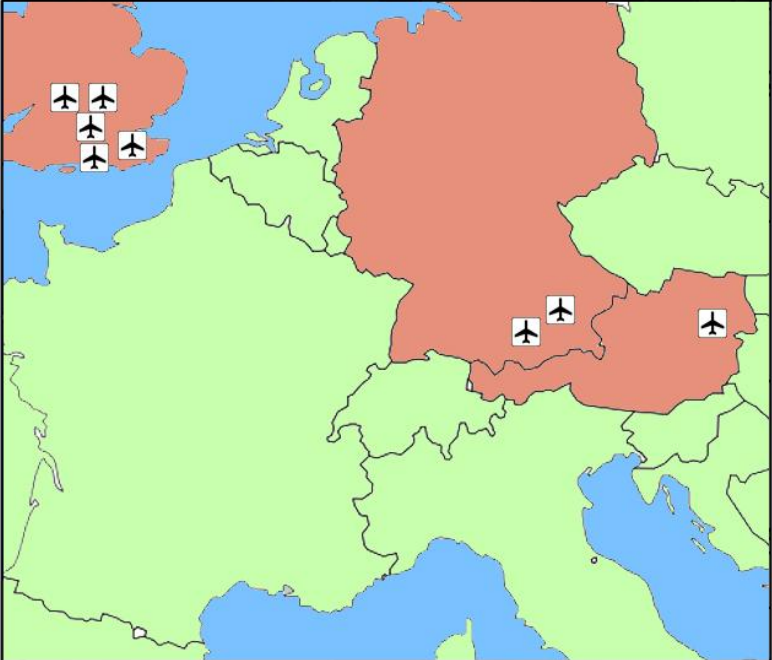
**1. Flugdaten** 2. Starteingabe 3. Zieleingabe 4. Startroute 5. Zielroute

◀ **Schritt 1: Flugdaten** ▶

**Datum**  
am:   Kalender

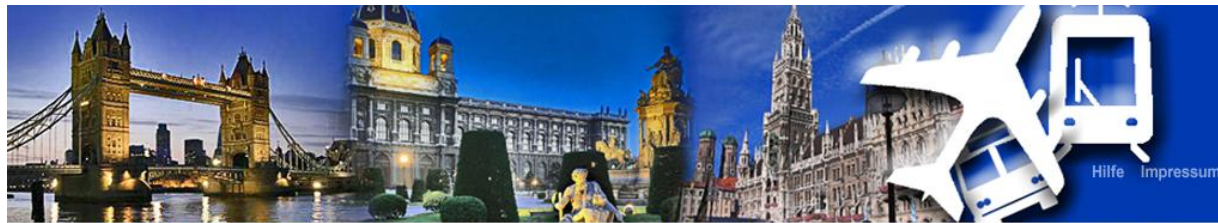
**Abflug**  
von:   
Bereich:   
um:   GMT  
Eincheckzeit:  min

**Ankunft**  
an:   
Bereich:   
um:   MESZ  
Auscheckzeit:  min





## Homepage proposals



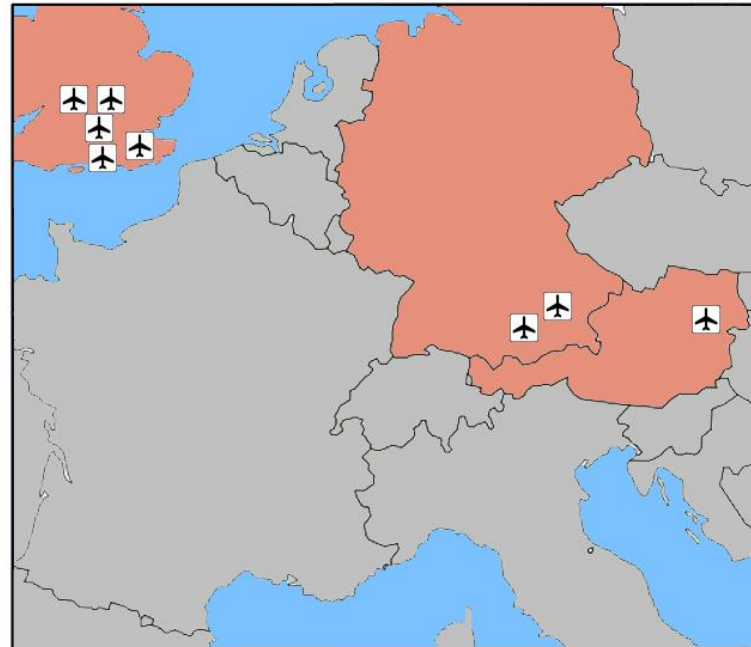
1. Flugdaten 2. Starteingabe 3. Zieleingabe 4. Startroute 5. Zielroute

◀ Schritt 1: Flugdaten ▶

**Datum**  
am:   Kalender

**Abflug**  
von:   
Bereich:   
um:   GMT  
Eincheckzeit:  min

**Ankunft**  
an:   
Bereich:   
um:   MESZ  
Auscheckzeit:  min





## Homepage proposals

Hilfe Impressum

1. Flugdaten 2. Starteingabe 3. Zieleingabe 4. Startroute 5. Zielroute

◀ Schritt 1: Flugdaten ▶

**Datum**  
am: 12 09 Kalender

**Abflug**  
von: London City Airport (LCY)  
Bereich: Gate 4  
um: 15 00 GMT  
Eincheckzeit: 60 min

**Ankunft**  
an: München, Franz Josef Strauss (MUC)  
Bereich: Terminal 1 Bereich E  
um: 16 20 MESZ  
Auscheckzeit: 30 min



## User Guidance

The steps for the display of the route are:

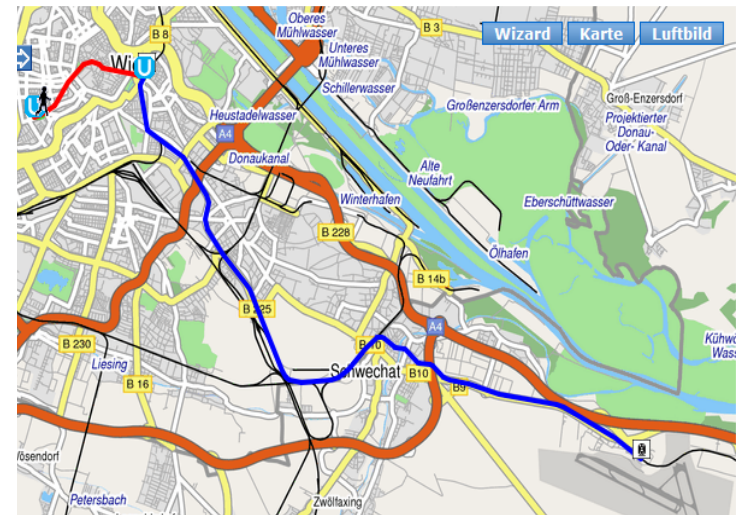
- entry of flight data
- entry of starting location
- entry of final destination
- display of route to the airport (system of starting location)
- display of route from the airport (system of destination)

**Ihre Flugdaten**

**Datum**  
am:   Kalender

**Abflug**  
vom Start:   
zum Flughafen:   
Bereich:   
um:   GMT  
Eincheckzeit:  min  
[Anreise zum Abflughafen.](#)

**Ankunft**  
um:   MESZ  
Vom Flughafen:   
Bereich:   
zum Ziel:   
Auscheckzeit:  min  
[Weiterreise vom Ankunftsflughafen.](#)





## Status

- approval from system operators to use their systems
- Mock-ups for design accepted
- programming in progress, finalisation expected in 2011
- pilot available in 2011

**The system does not have a name yet!**

**If you have a brilliant idea, please tell me!**

**Award tbd**

Thank you for your attention!  
Questions?

Ulrich Haspel



Bavarian Road Administration  
[ulrich.haspel@abdsb.bayern.de](mailto:ulrich.haspel@abdsb.bayern.de)