

# COHESIVE



*This project has received funding from the Shift2Rail Joint Undertaking under the European Union's Horizon 2020 research and innovation programme under grant agreement No 777599*

@Shift2Rail\_JU  
#Horizon2020





# Project Details



**Project title:** COHErent Setup and Demonstration of Integrated Travel Services

**Topic:** S2R-CFM-IP4-02-2017

**Total Project Value:** € 4 039 491,45

**Duration:** from 01/09/2017 to 30/06/2022

**S2R (Of H2020) co-funding:** € 1 795 150,00

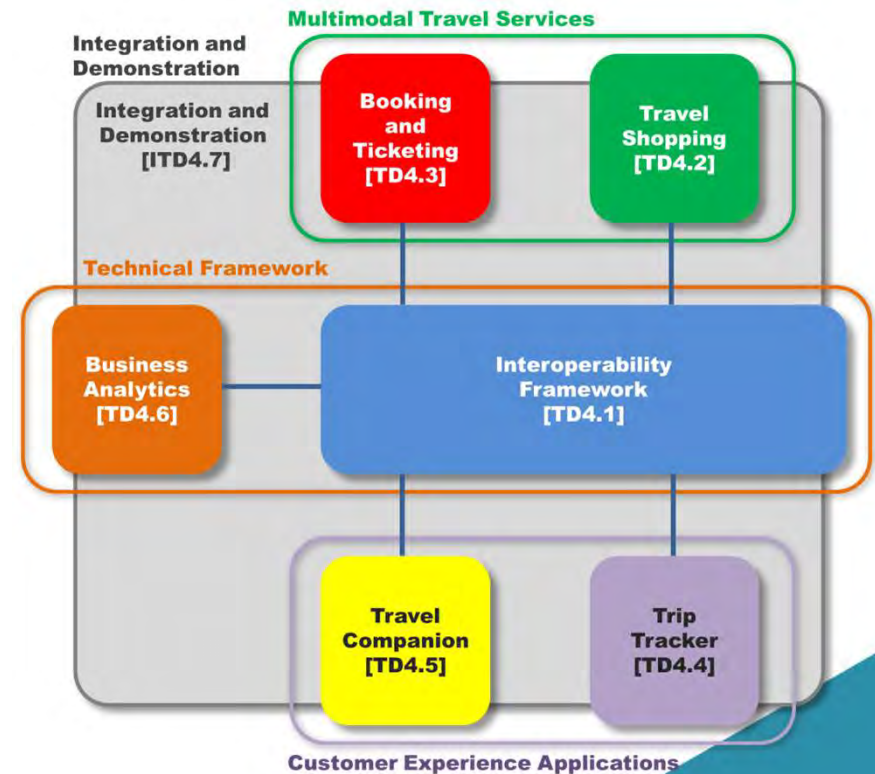
**Coordinator:** Joao Mira, THALES PORTUGAL SA

**Complementary projects:** ATTRACKTIVE, Co-Active ,  
Connective, MaaSive, My-Trac, Shift2MaaS, Ride2Rail

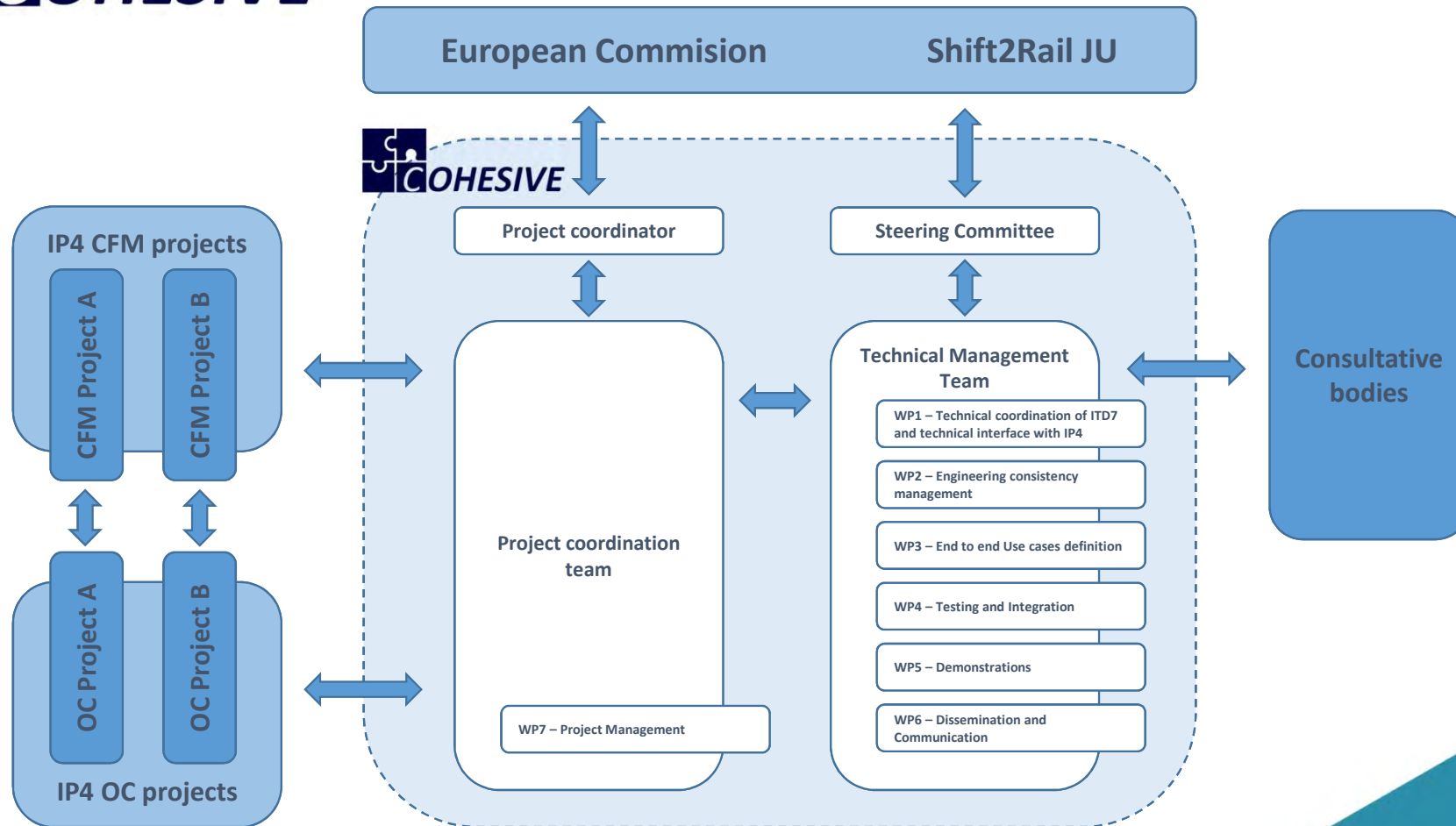


- Guarantee a Technical Coordinated Interface amongst the different projects S2R/IP4
- Ensure Engineering Consistency and documentation coherence
- Promote convergence of all IP4 technical demonstrators
- To develop plausible Use Cases to incrementally demonstrate the integrated functionalities
- Integration and Testing of the different IP4 technical demonstrators
- Support cross-TD technical issues solving
- Dissemination and Communication of results
- Demonstrations definition, preparation and execution
- Assess possible Business Model(s)

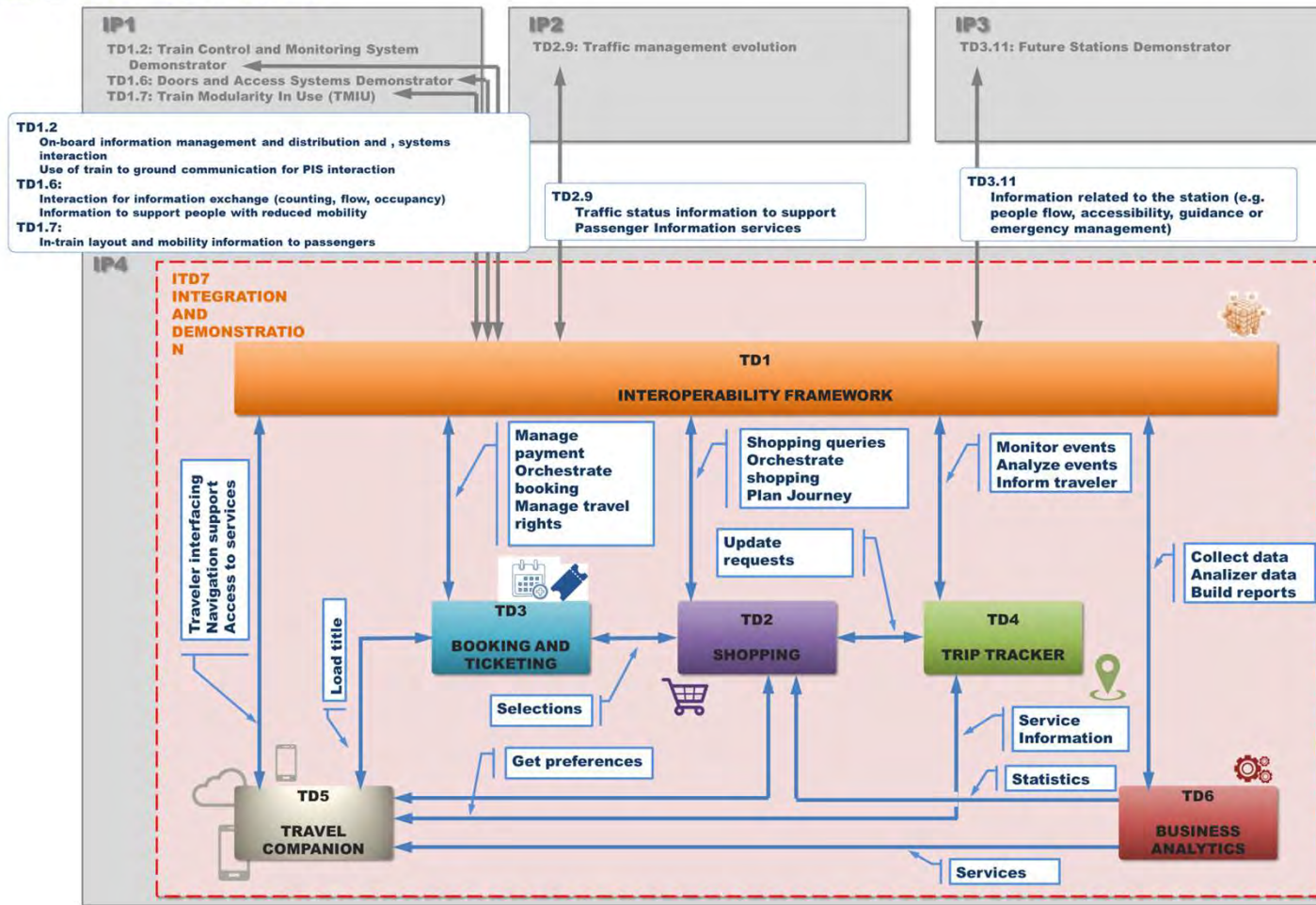
## Project objectives



# Project structure

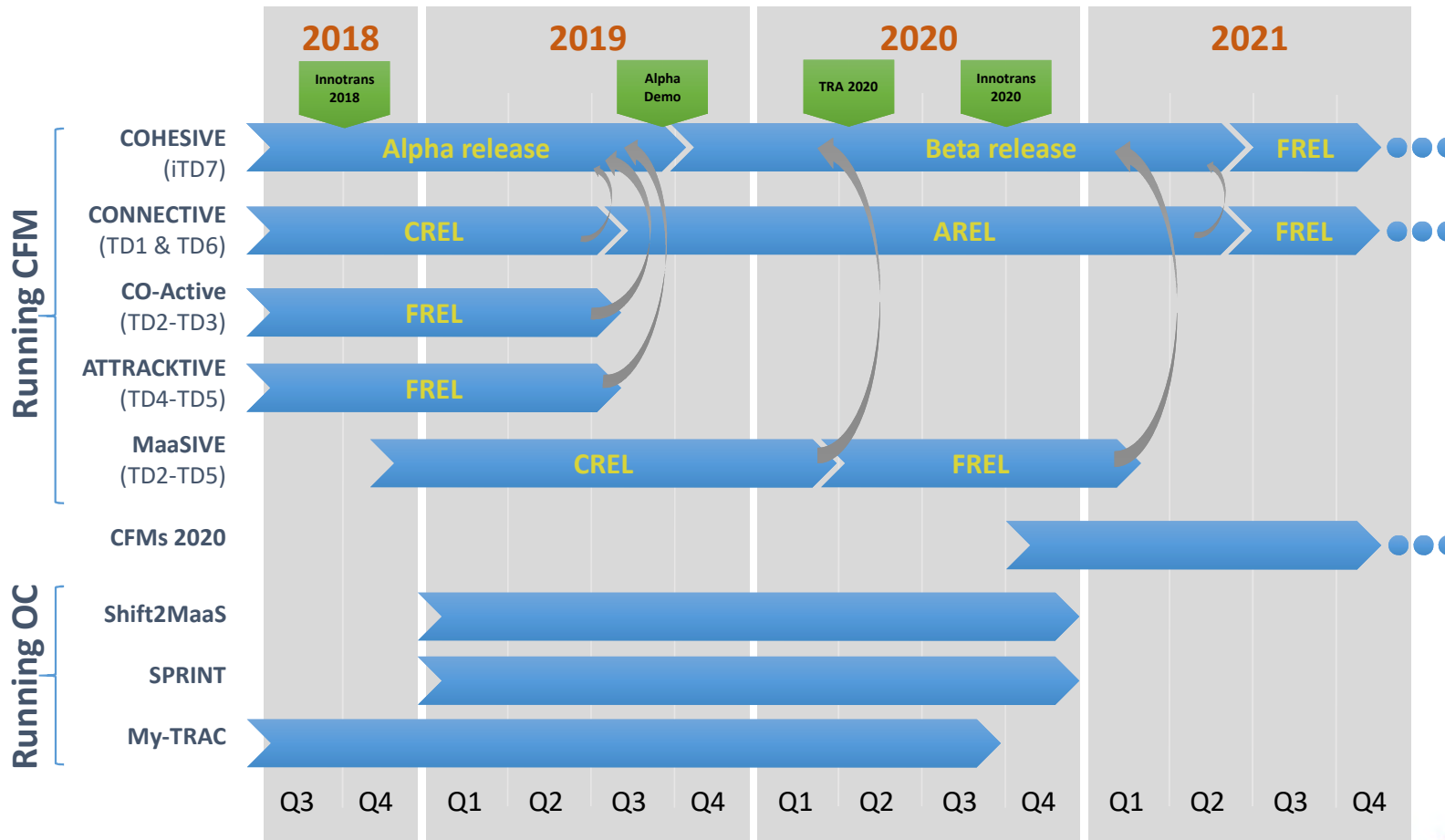


# IP4 and S2R interactions





# Main Milestones





Users can improve their **experience**:

- Navigation at interchanges
- Location based experiences (information, games, discounts, etc.)

## USERS PERSPECTIVE

Users register through their **travel companion (TC)** or login. Create their profile and describe their preferences

“**Shop**” a trip within one origin and destination, selecting the **best one** among multiple offers (modes, prices, timetables)

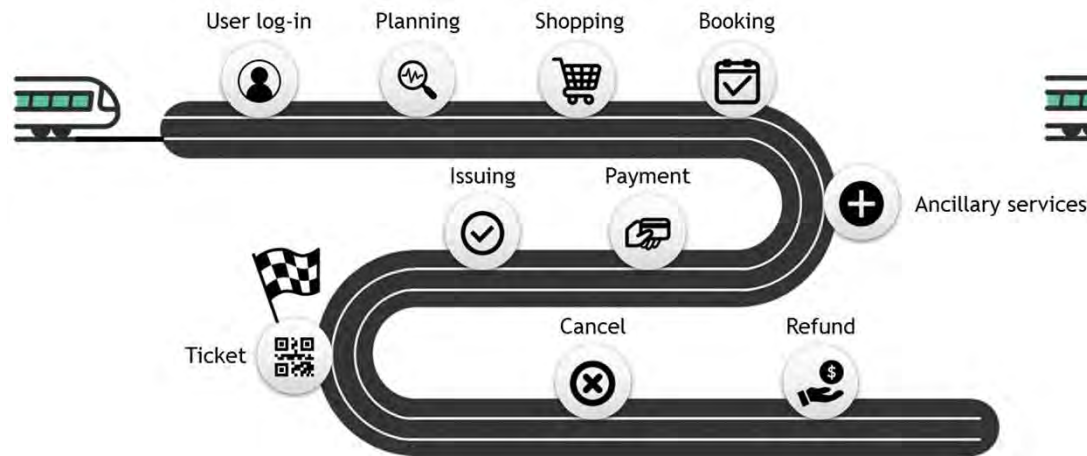
“**Book**” the selected offer, pay and “**issue**” the tickets for the segments available; store the trip details and the tickets in the **Virtual Wallet**. Travellers can add ancillary services, as required (WiFi, lunch etc)

Travellers will be informed of a **disruption** affecting the planned trip, such as flight cancellation. **Alternatives** will be provided to reach the destination, as well as management of Passenger’ Rights (Cancellation, Refund, etc.)

Travellers can consult trip details at any time, and retrieve the virtual tickets to **validate** at each travel segment.

# Alpha release Demo

- IP4 integrated functionalities available through the Travel Companion



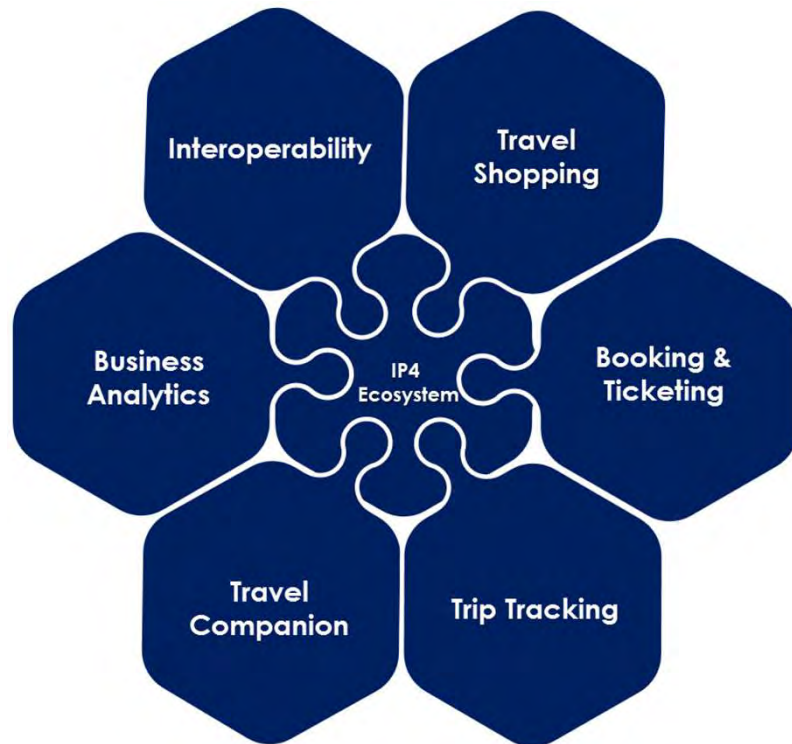
(Before and after the trip)



(During the trip)



# Alpha release Demo



## Integrated modes



> Amadeus > pan-European



> SNCB, VAO



> DB, Spanish Rail\*



> VBB, MAD, BCN, CXX\*



> Park, Toll (@MAD, @BCN)



> Sharing (@VBB)

*\*simulated data*

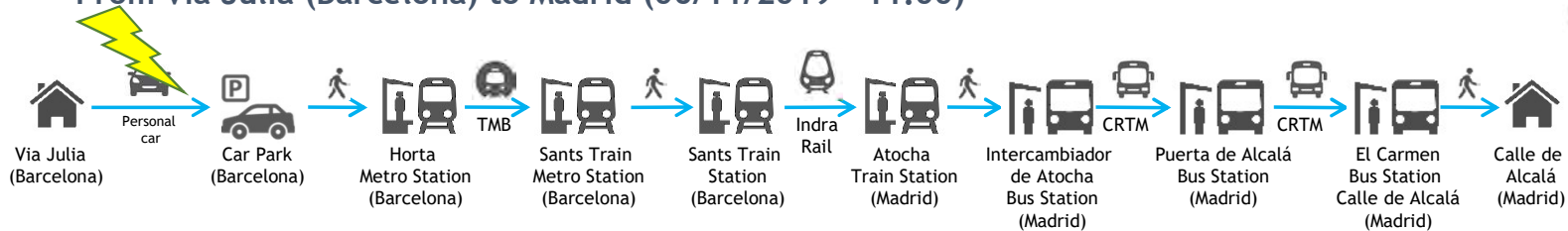
# Alpha release Demo (Scenario 1)



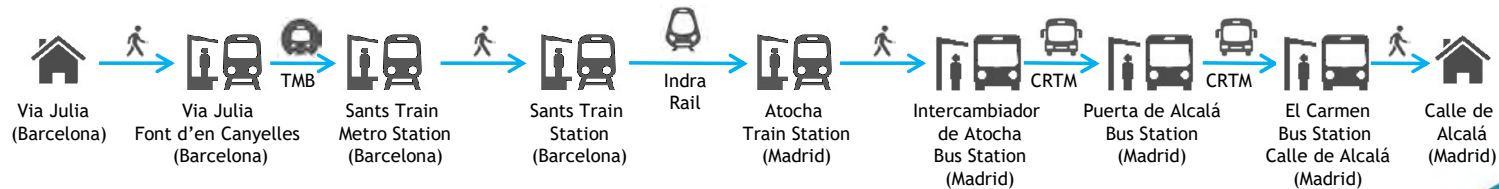
- From “Via Julia-Barcelona” to “Madrid”
  - Teresa, age 31 (From Barcelona)
  - Lives in Via Julia, Barcelona
  - She wants to visit an old friend from school times living now in Madrid
  - Her friend lives at Calle de Alcalá, Madrid
  - Teresa uses Travel Companion personal application in order to search for available trips



## • From Via Julia (Barcelona) to Madrid (06/11/2019 - 11:00)



## • Alternative route: 06/11/2019 11:22>>>15:00



# Alpha release Demo (Scenario 2)



- From “Berlin Messedamm” to “Amsterdam Centraal”
  - Alexander, age 32 (From Stuttgart)
  - He is in Berlin for an international expo and convention at Messe Berlin
  - He is staying at a nearby hotel at Messedamm
  - Receives a call from a customer for an important meeting at Amsterdam on the following day
  - Meeting is scheduled in a hotel near the Amsterdam Centraal station
  - Uses Travel Companion personal application in order to search for available trips including air travel to speed up its journey

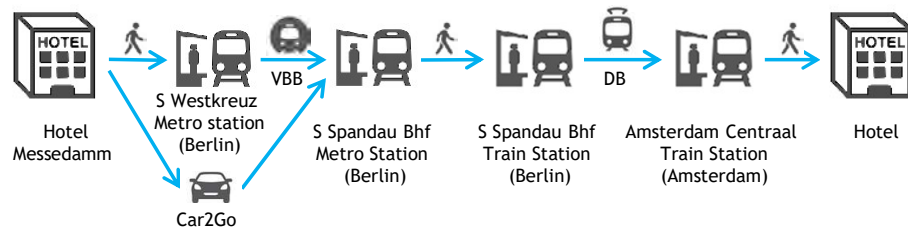


Planning Shopping Booking Ancillary Services Issuing Ticketing Cancellation and Refund

## From “Berlin Messedamm” to “Amsterdam Centraal”

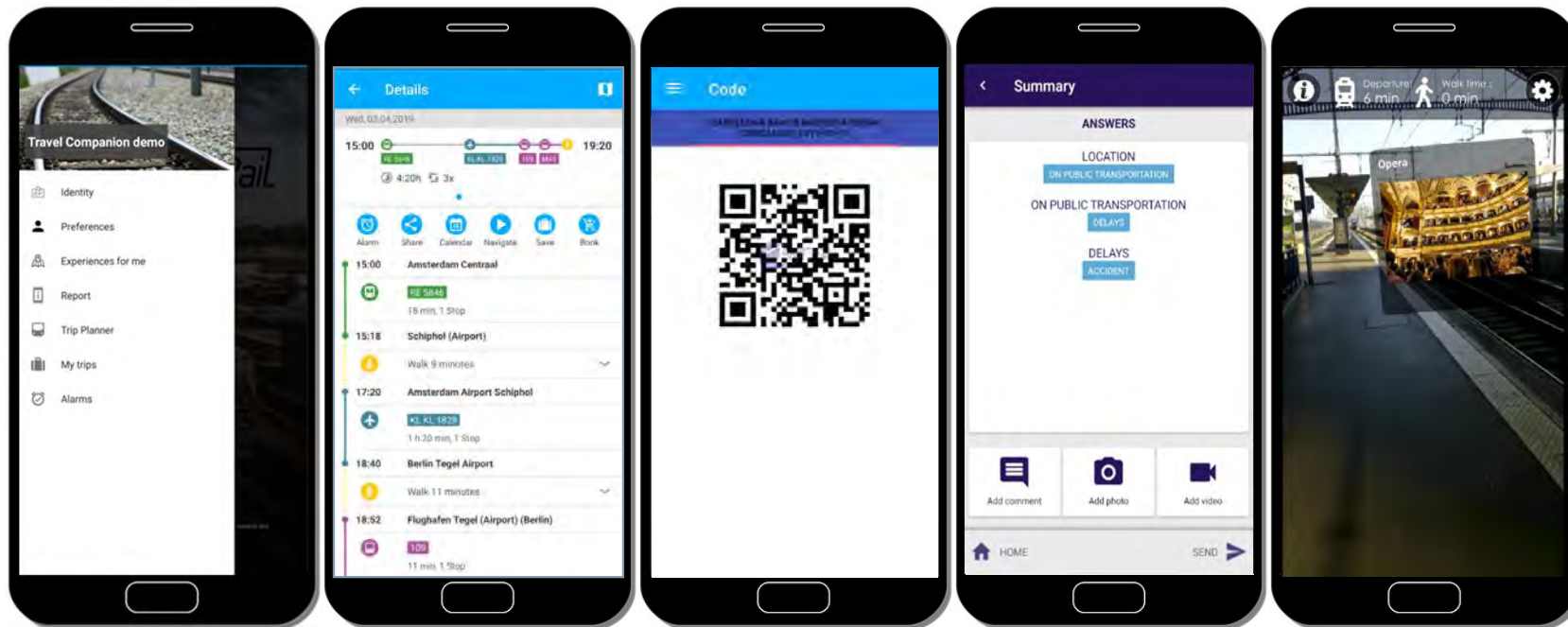


## Alternative route: 06/11/2019 06:43AM>>>14:00PM



# Alpha release Demo

- Travel companion services overview







# Shift2MaaS Collaboration

- **New demonstrations being prepared with the collaboration with Shift2MaaS, including new TSPs on the ecosystem**
  - Demos will take place at TRA2020 and Innotrans2020
- Lisbon demo (Offer Building, Issuing, MaaS tariffs, Validation)
  - CARRIS (Bus and tram)
  - Fertagus (Rail and Bus)
  - EMEL (Bike-Sharing)
- Malaga demo (Offer Building, Trip tracking, Location Based Experiences and Business analytics)
  - EMT (Bus and bike-sharing)
- Central Eastern corridor
  - KORDIS (Urban Transport, Rail & Bus)
  - AMS (Bus)
  - DELFI (Rail)
  - RMV (Rail)
  - VBB (Urban Transport)
  - VAO (All)



# Thank you for your attention



@Shift2Rail\_JU  
#Horizon2020

