

COHESIVE

Overview of IP4 technologies and solutions

12th of May, 2022



Introduction to IP4



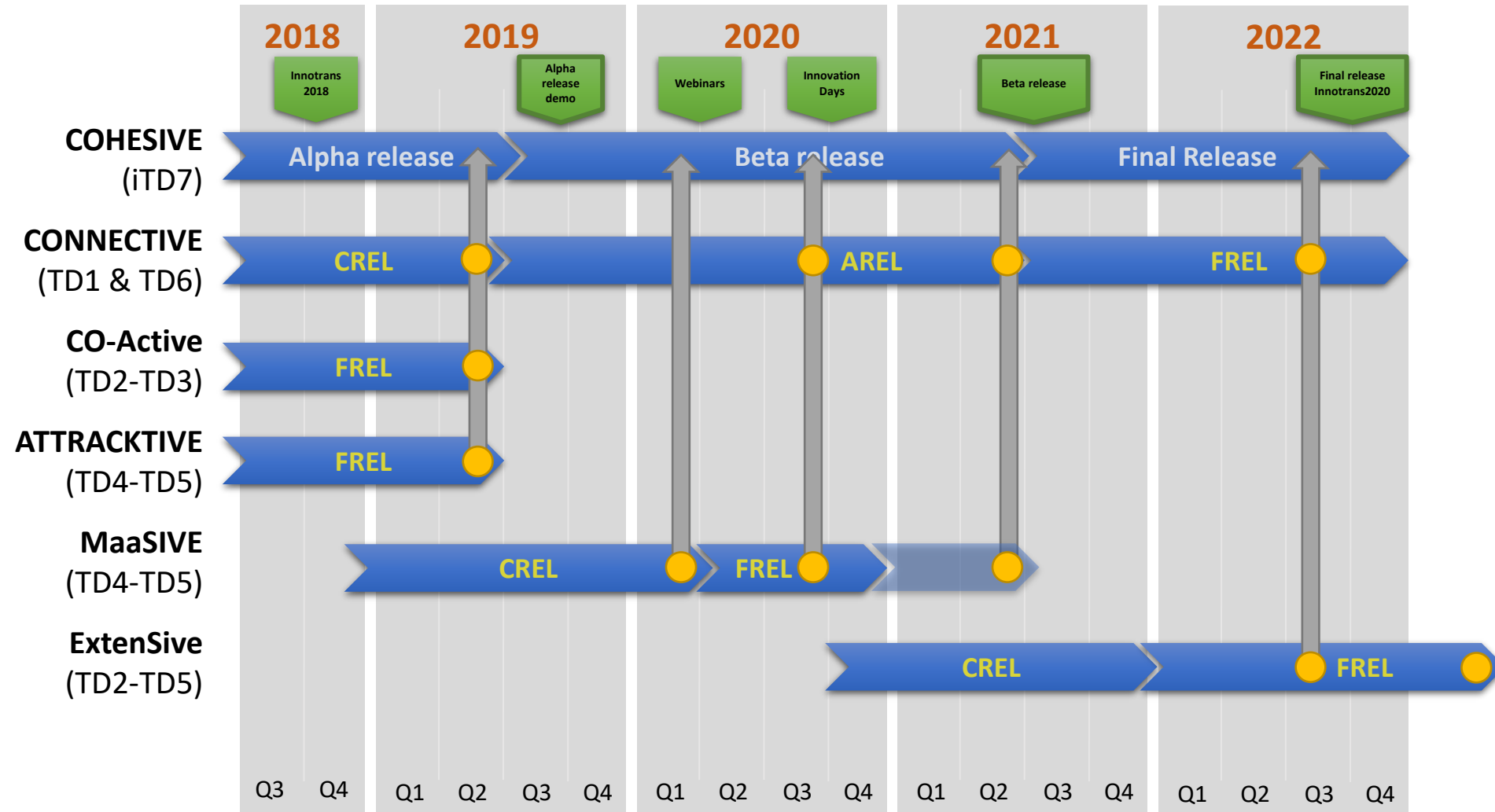
Anna Perras

IP4 objectives

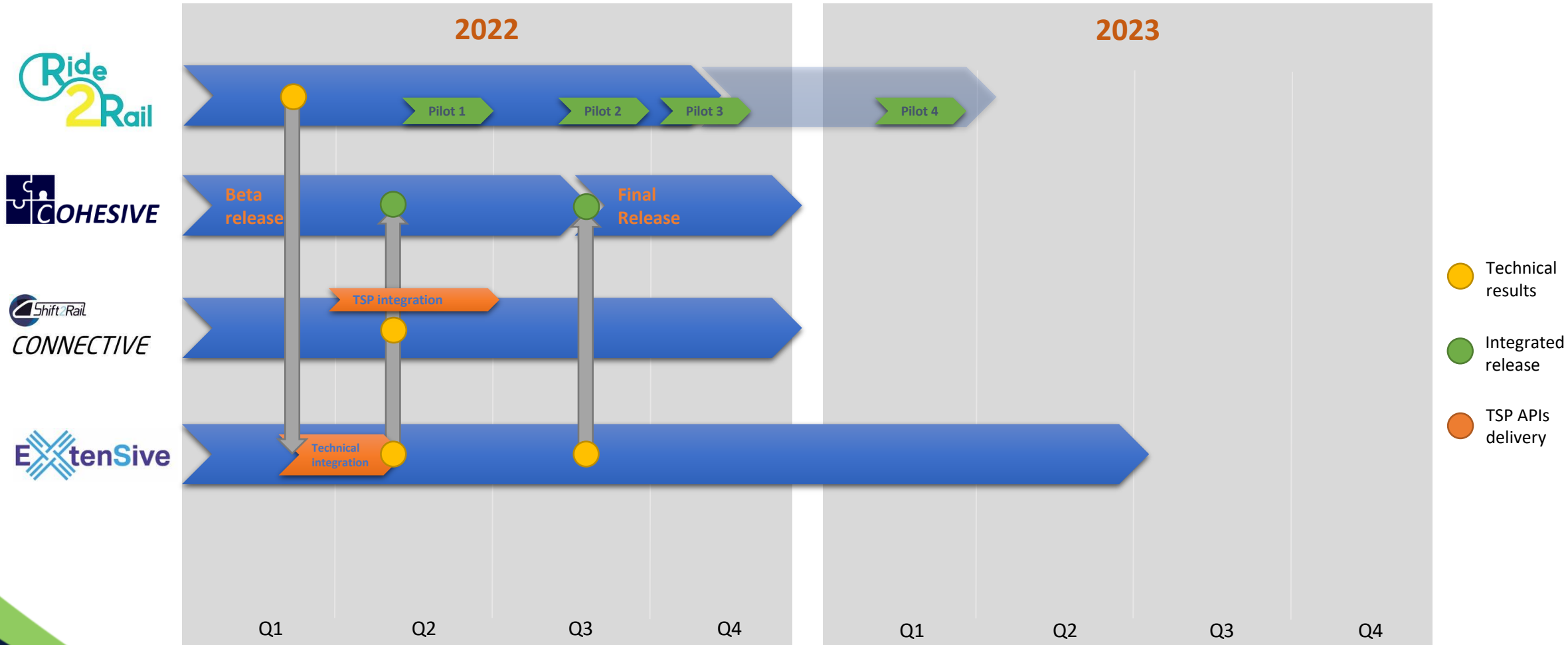
- Complete **multimodal travel offer** connecting the first and last mile to long distance journeys
- Put the **traveller at the centre**, ease access to rail, increasing its attractiveness
- Give **one-stop-shop** access to all **multimodal travel services** (shopping, ticketing, and tracking) through its travel-companion
- Build an open framework providing full **interoperability** whilst limiting impacts on existing systems



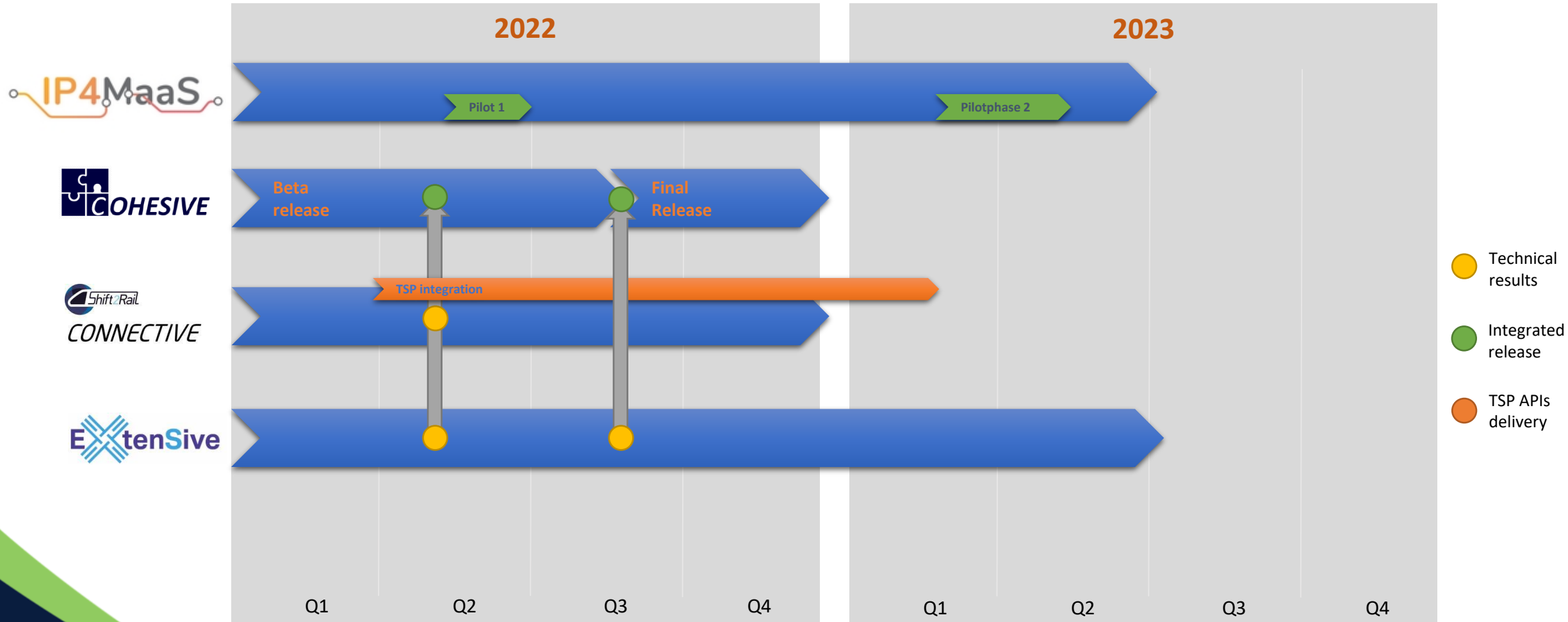
Roadmap



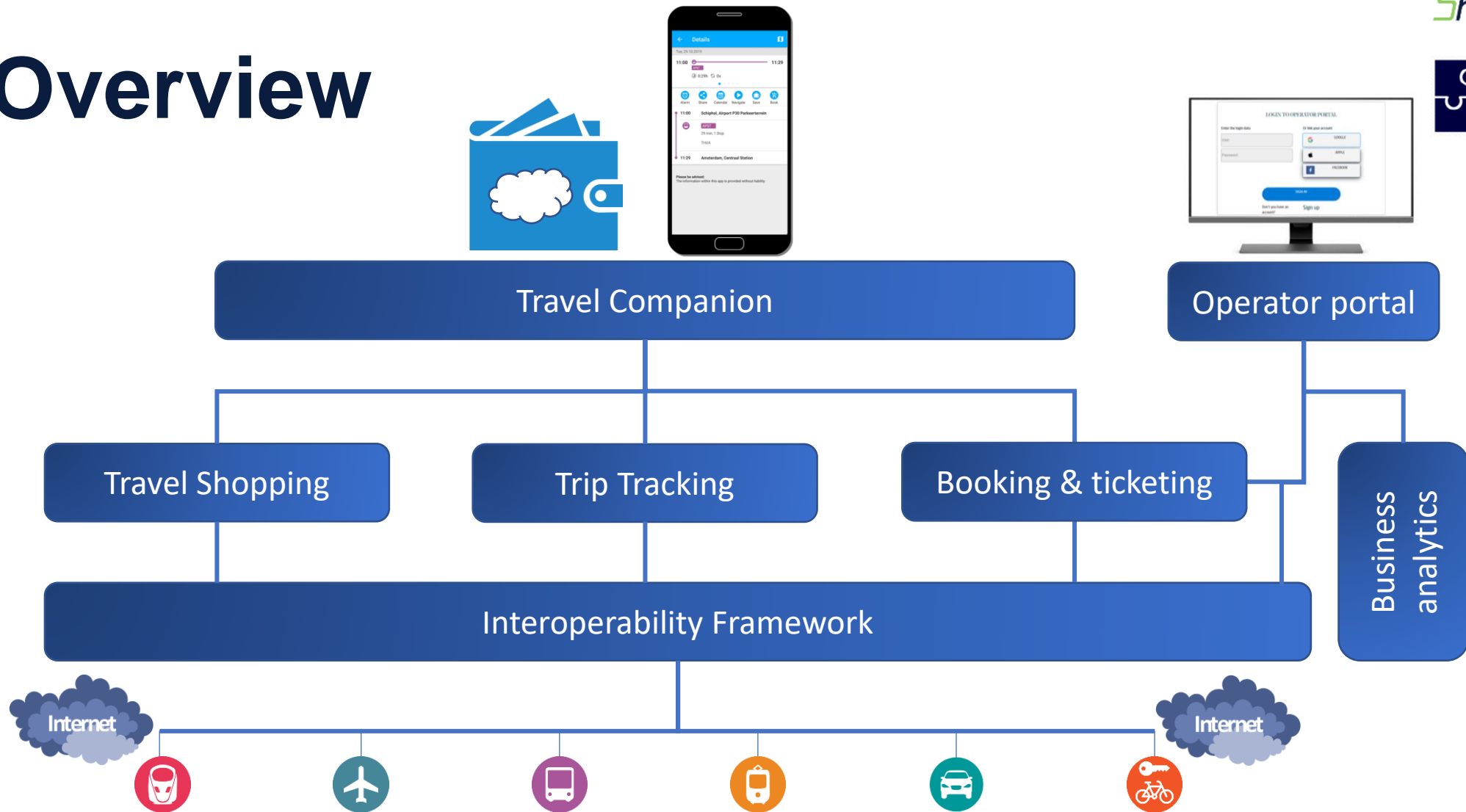
Ride2Rail pilots and support



IP4MaaS pilots and support



Overview

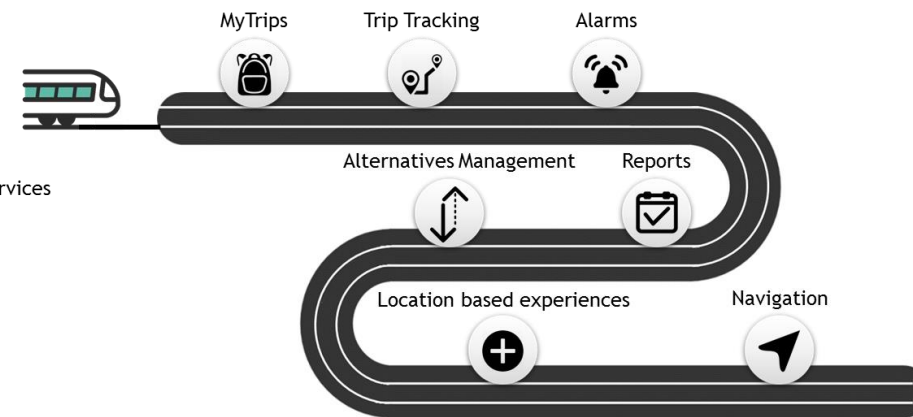


IP4 functionalities

Alpha release - 2019



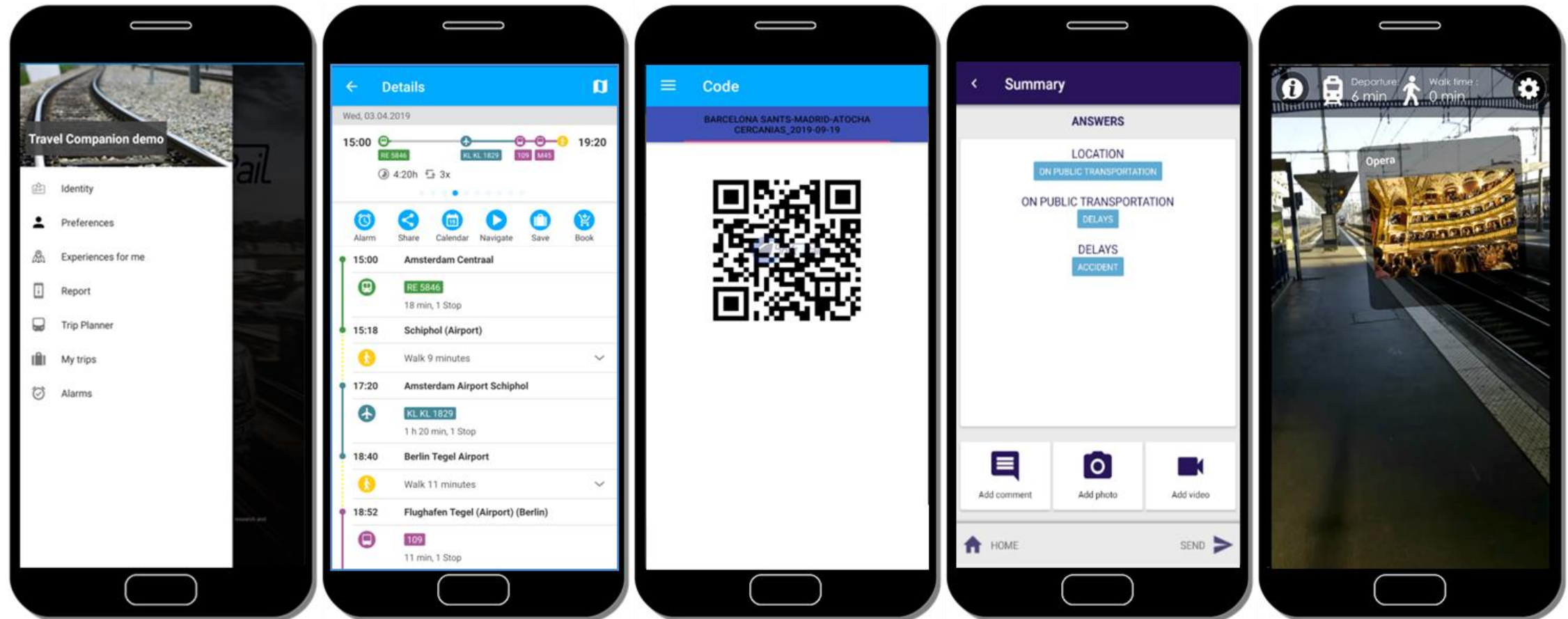
(Before and after the trip)



(During the trip)

IP4 functionalities

Alpha release - 2019



IP4 functionalities

Beta release - 2021

**Web
portal**



**Mobility
packages**



**Profiles
and Guests**



**Best price
optimization**



**Group
travelling**



**Passenger
Rights**



**AR
Experiences**



**Kids
app**



**Commuter
detection**



**Operator
portal**



**Asset
Manager**



**Mobility
packages**



**Business
Analytics**



**CRM
portal**



**MR
Composer**



**Token
generation**



**Fraud
control**



IP4 functionalities

Final release - 2023

Trip

**Bonus
Feature**

SaaS

Finances

IP4 functionalities

Final release - 2023

Trip

- Trip Planning Hierarchy
- Smart Locations
- Improved Intermodal Travel
- Individual Last Mile

SaaS

- Siri XS based pTT
- Event Detection
- Plandata Provisioning for TSPs
- Incident Messages

Bonus Feature

- Dynamic Display of Map Content
- Meeting Point
- Travellers Orchestration and supervision
- Collaborative Space (Traveller and TSP)

Finances

- E-Wallet
- Purchase an offer using PayPal
- Customer Relation Management

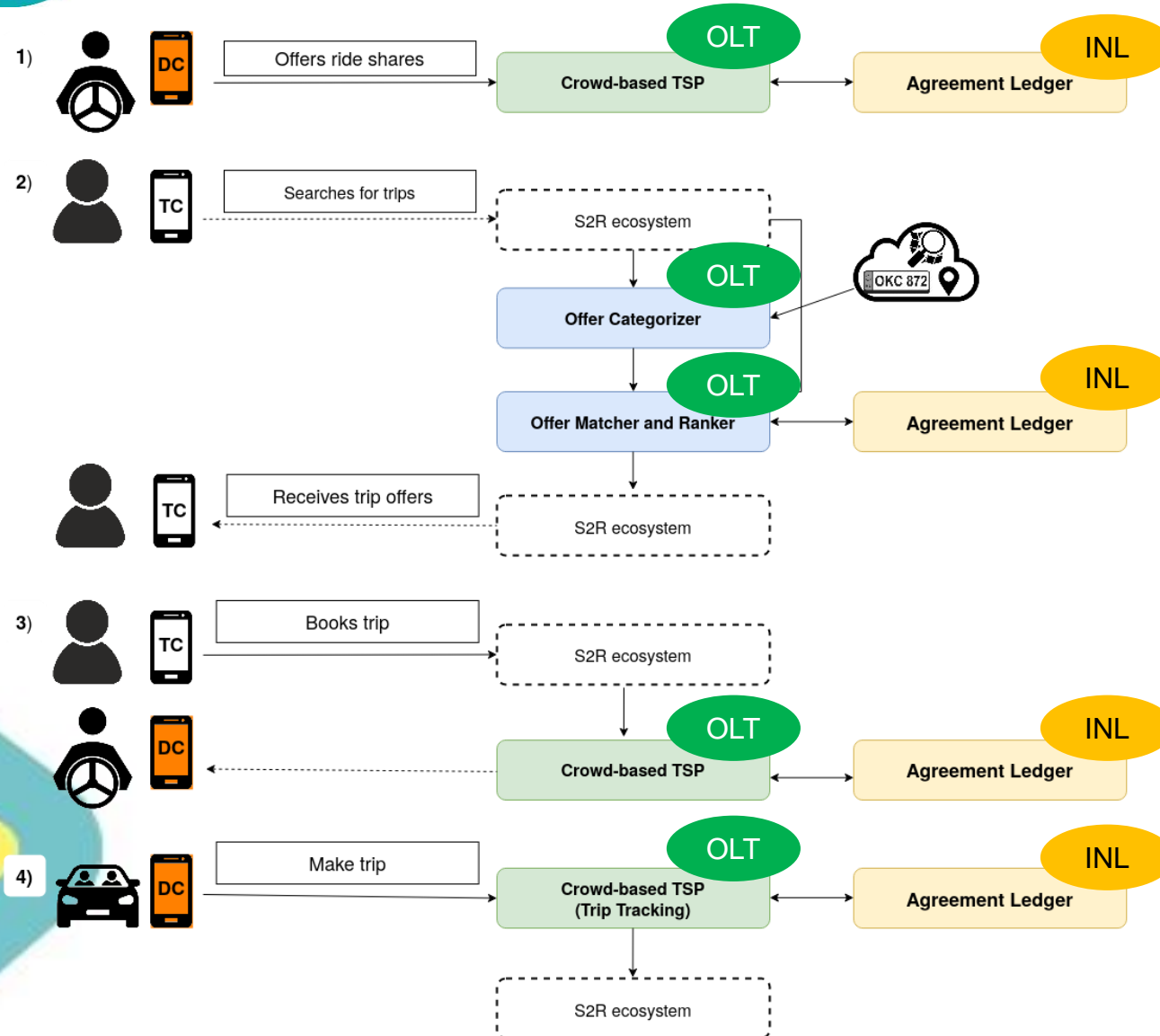


RIDE2RAIL COMPONENTS

- Offer Categorizer (✓ completed)
- Offer Matcher and Ranker + Incentive Provider (✓ completed)
- Crowd-based TSP (✓ completed)
- Driver Companion (.apk to be distributed next week (16/05))
- Agreement Ledger (✓ completed)



USER INTERACTIONS



1. Add a ridesharing offer (D)
2. Searching for travel offers (T)
3. Booking a travel offer (T)
4. Making the trip (D+T)

D = Driver

T = Traveller/Passenger

OLT → hosted by OLTIS

INL → hosted by INLECOM



NEXT STEPS

- Packaging Driver Companion
- Finalize DC User Guide
- Deploying Offer Categorizer on OLT infrastructure
- End-to-end testing and bug fixing

Contact



Marco Ferreira

Technology & Innovation

Mobile +351 211 549 935

E-mail: marco.ferreira@thalesgroup.com

Anna Perras

Project Manager R&D

Mobile +49 162 2712623

E-mail: anna.perras@hacon.de

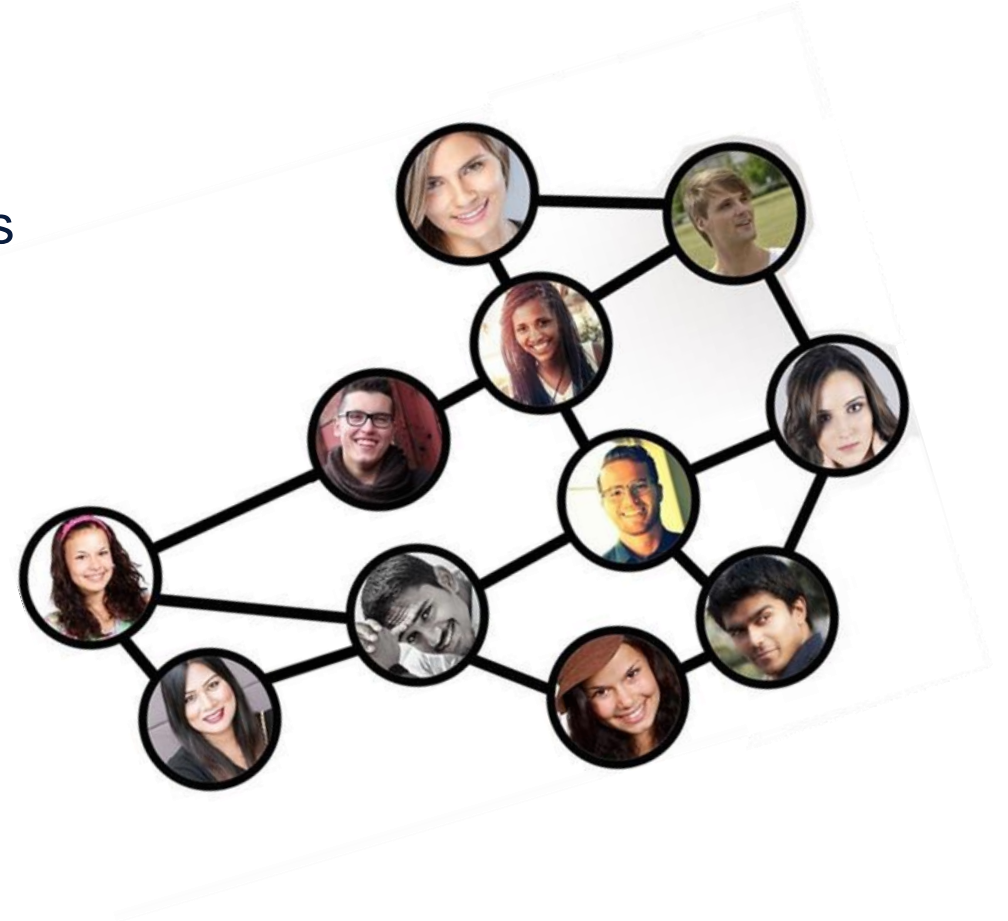


Backup



Multi User Capabilities (MUC)

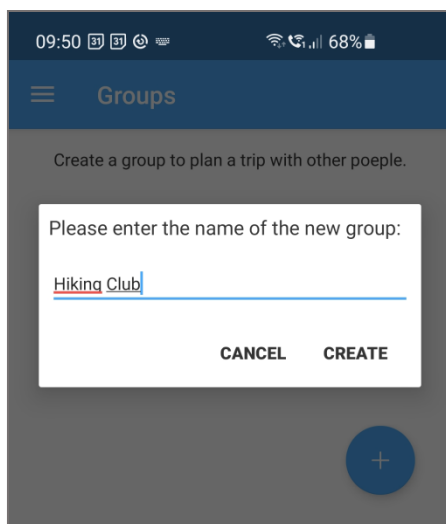
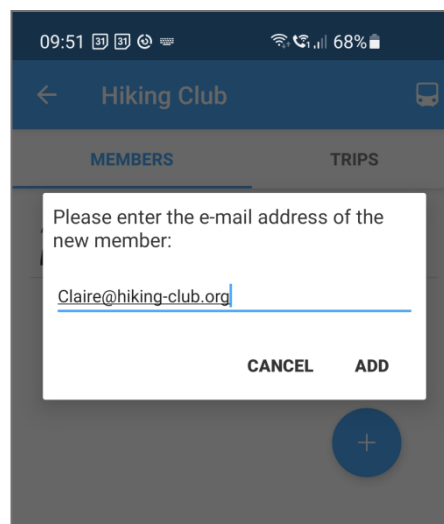
- Travel Sharing
 - Inform someone about the details of your trip
 - Stay informed about departure and arrival times
 - Receive additional information
- Travel Arranging
 - Organise journeys for someone else
- Group Travel
 - Organise journeys in a group



Group Travel

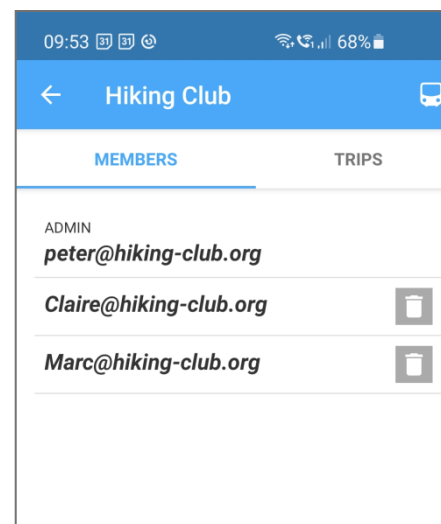
Role: Group Admin

Create and organize groups,
plan journeys

Role: Group Member

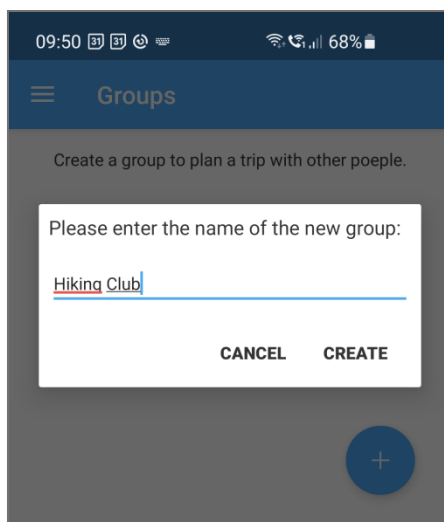
Participate in a group



Group Travel

Role: Group Admin

Create and organize groups,
plan journeys



09:50 68%

Groups

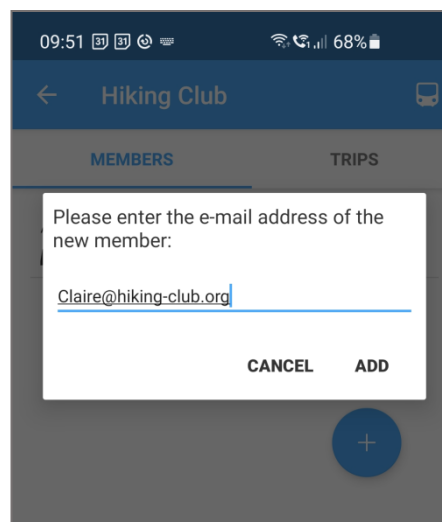
Create a group to plan a trip with other people.

Please enter the name of the new group:

Hiking Club

CANCEL CREATE

+



09:51 68%

Hiking Club

MEMBERS TRIPS

Please enter the e-mail address of the new member:

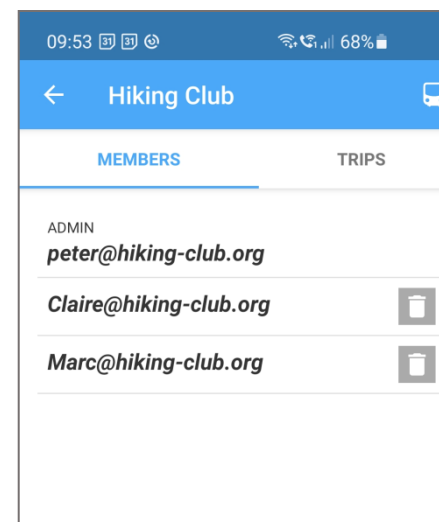
Claire@hiking-club.org

CANCEL ADD

+

Role: Group Member

Participate in a group




09:53 68%


Hiking Club

MEMBERS TRIPS

ADMIN

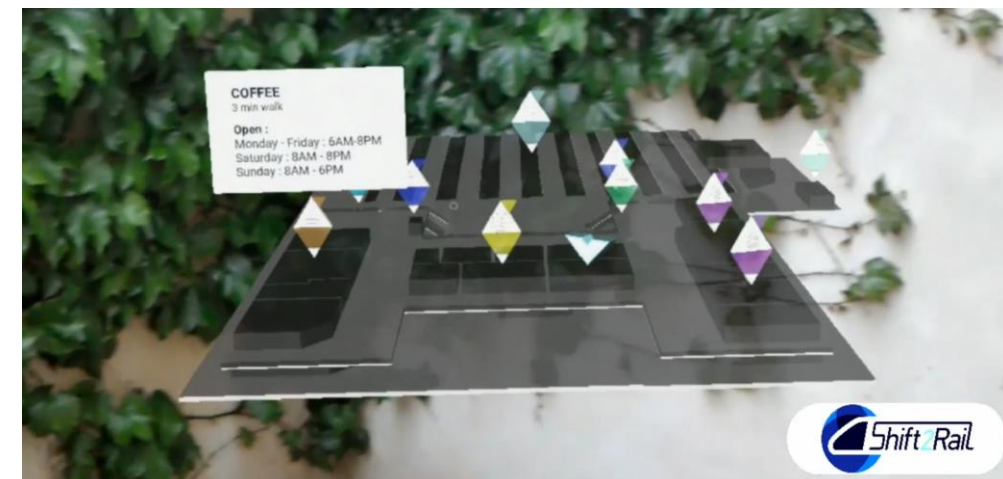
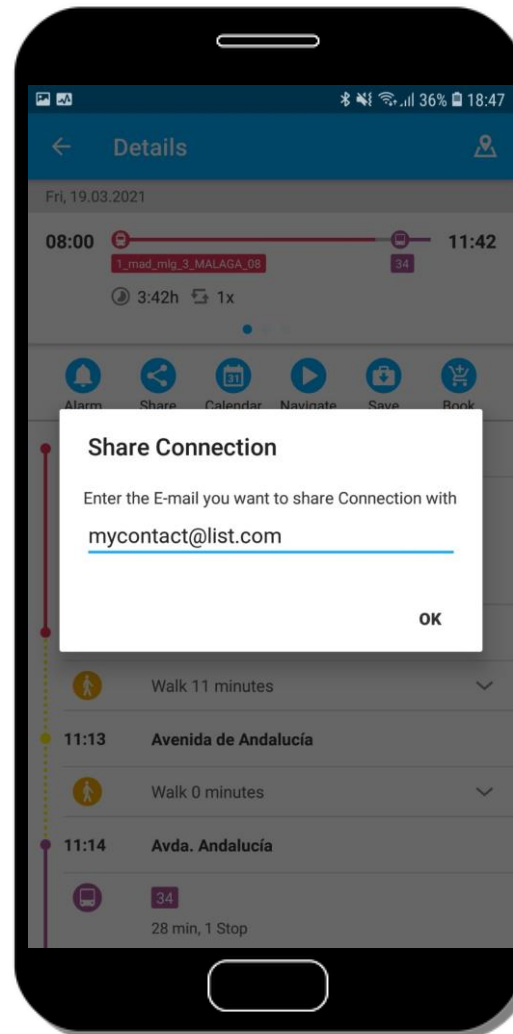
peter@hiking-club.org

Claire@hiking-club.org 

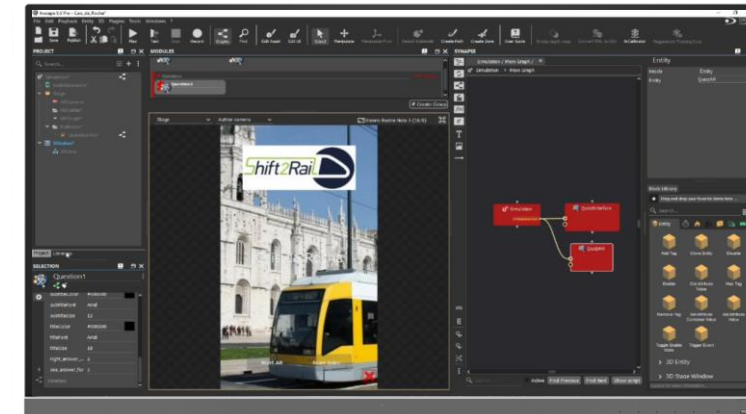
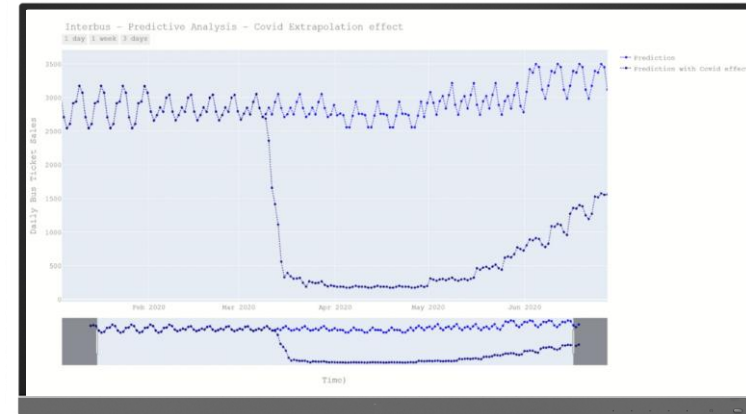
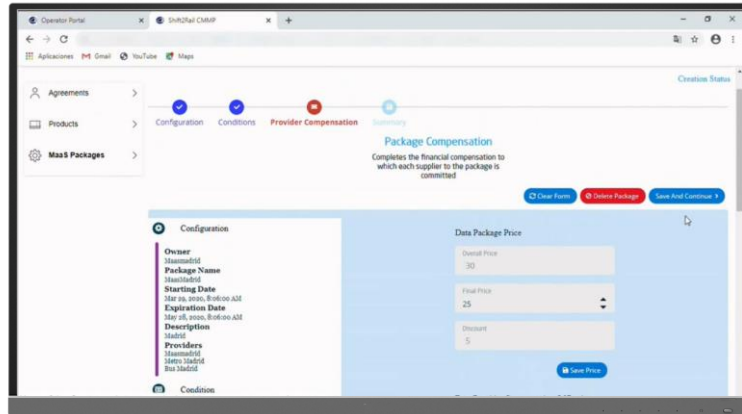
Marc@hiking-club.org 

IP4 functionalities

Beta release



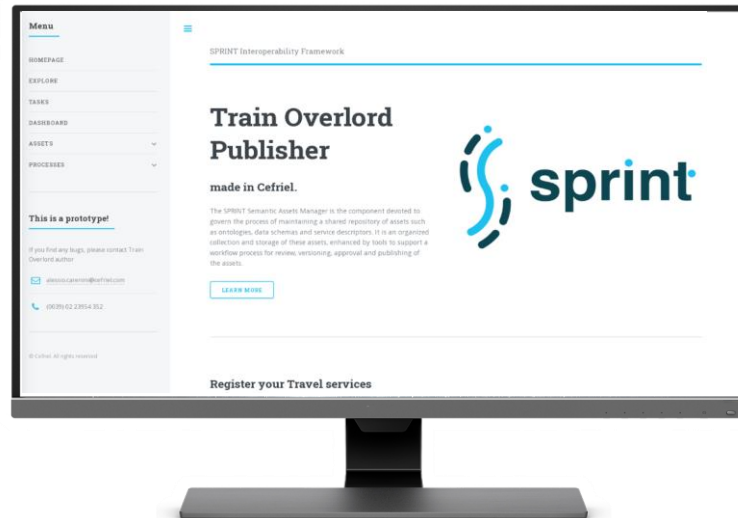
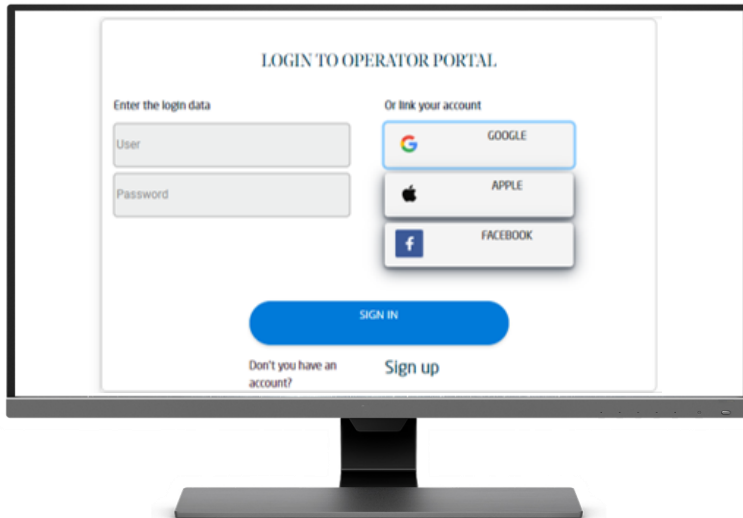
Transport Service Provider tools



IP4 functionalities



Beta release





SHIFT2RAIL.ORG