# MaaS as Open Networks with Beckn Protocol

Sujith Nair

CEO & Co-Founder | FIDE

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beckn open collective

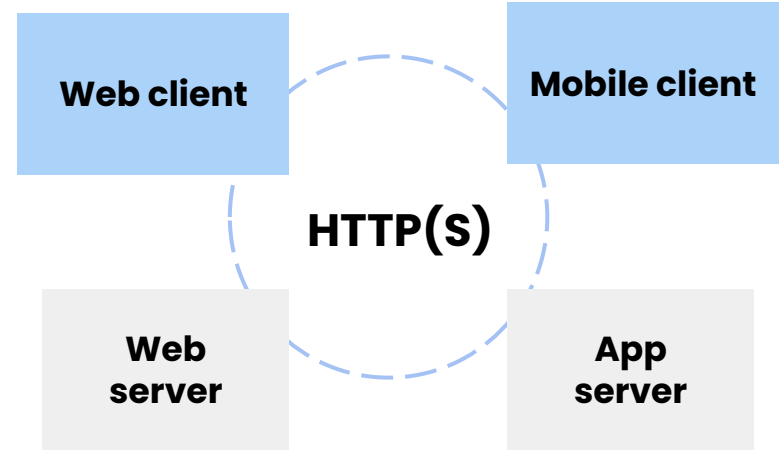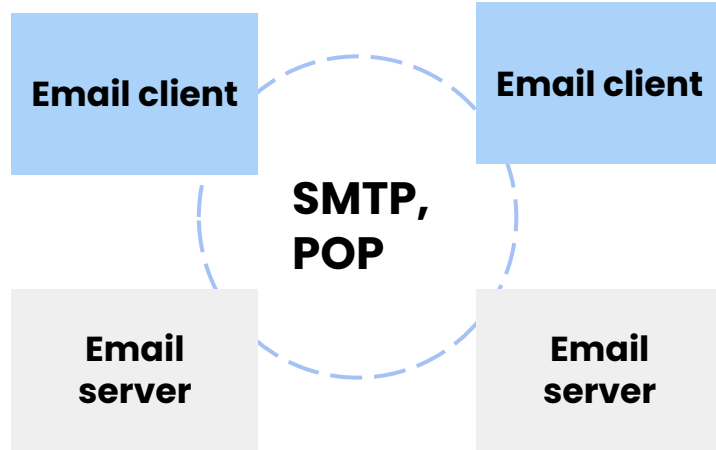# How do they operate?

**Email**
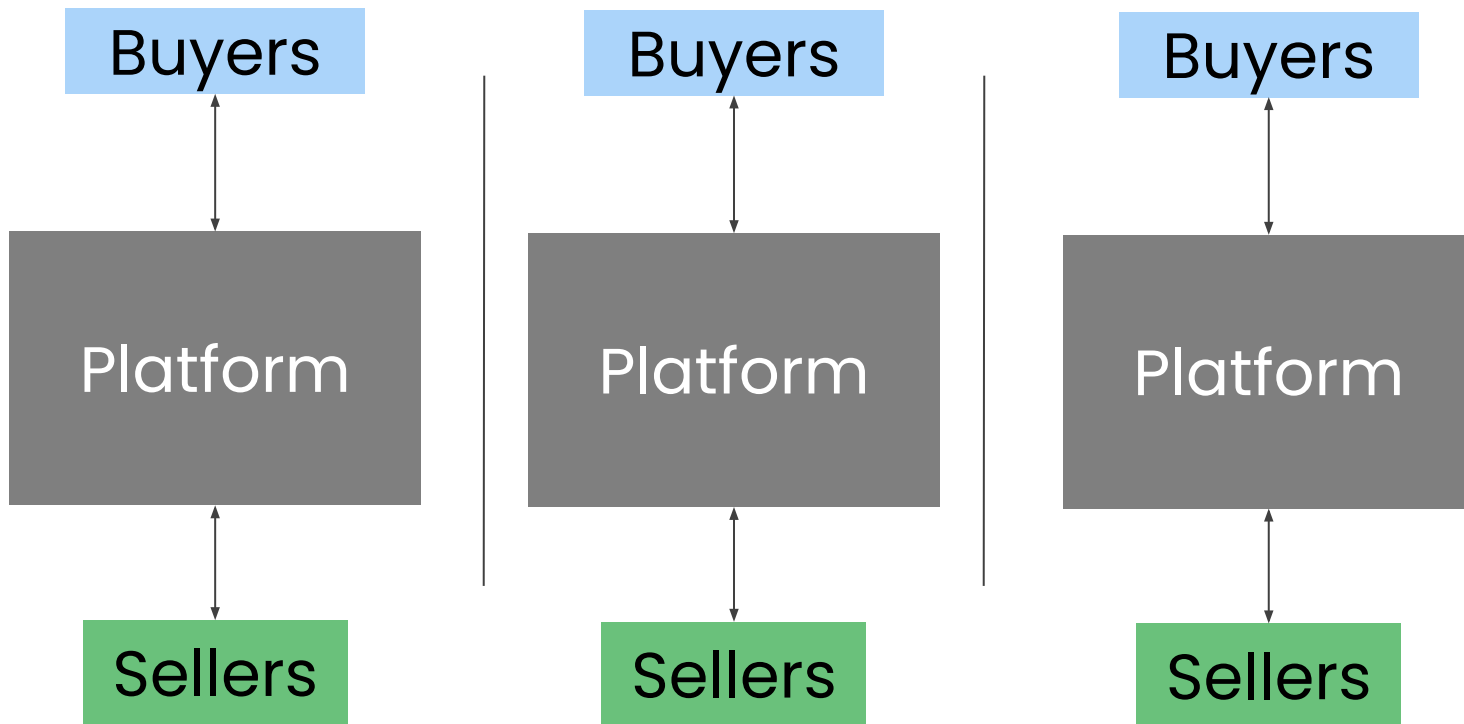
**WEB**

**GSM**

**Payments**

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# Core internet systems are interoperable

| | | | | |
|---|---|---|---|---|
| **Email client** | SMTP, POP | **Email client** | | |

**Email client** — SMTP, POP — **Email client**

**Email server** — **Email server**

**Web client** — HTTP(S) — **Mobile client**

**Web server** — **App server**
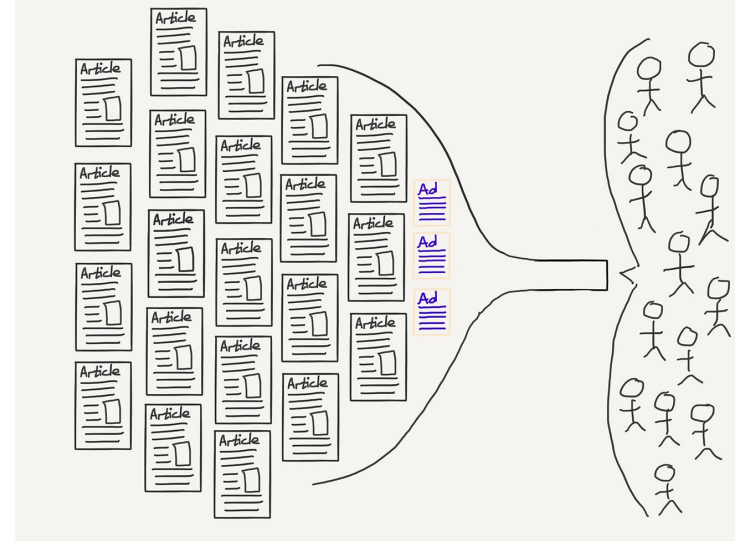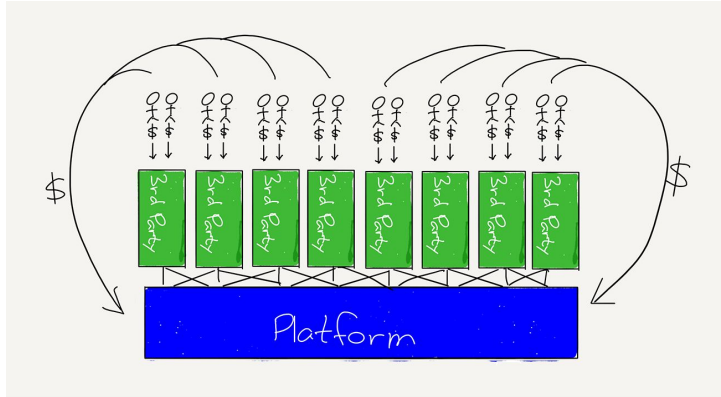
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# Why are mobility, commerce different?

# Rise of closed, central platforms

# Aggregation as the de facto approach

Source: https://stratechery.com/2019/a-framework-for-regulating-competition-on-the-internet/
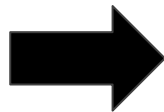
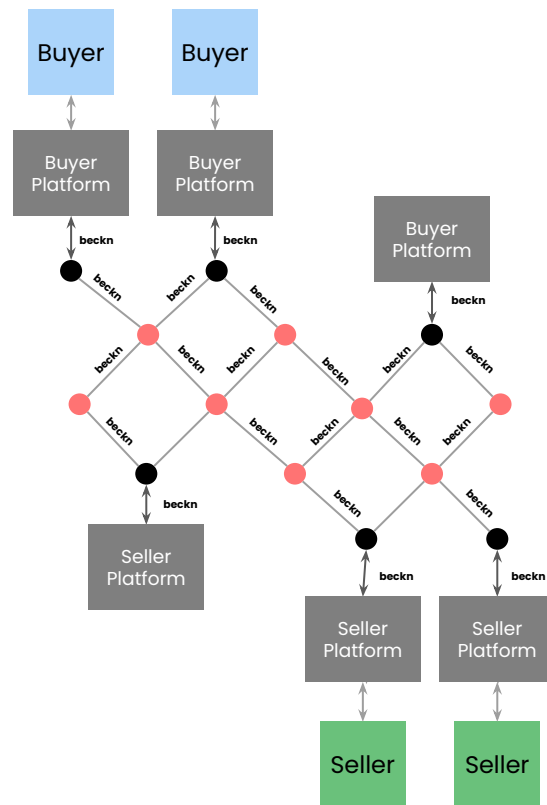# Imagining Open Networks
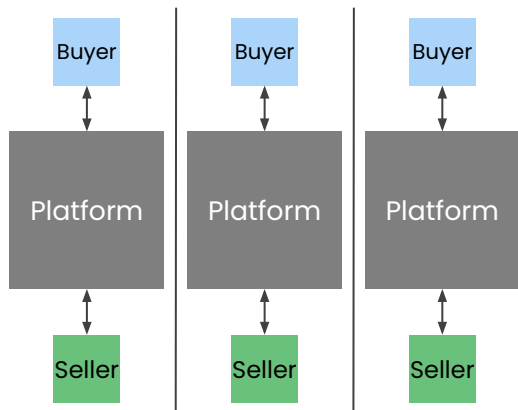
Buyer
Platforms

Seller
Platforms

## open network ecosystem
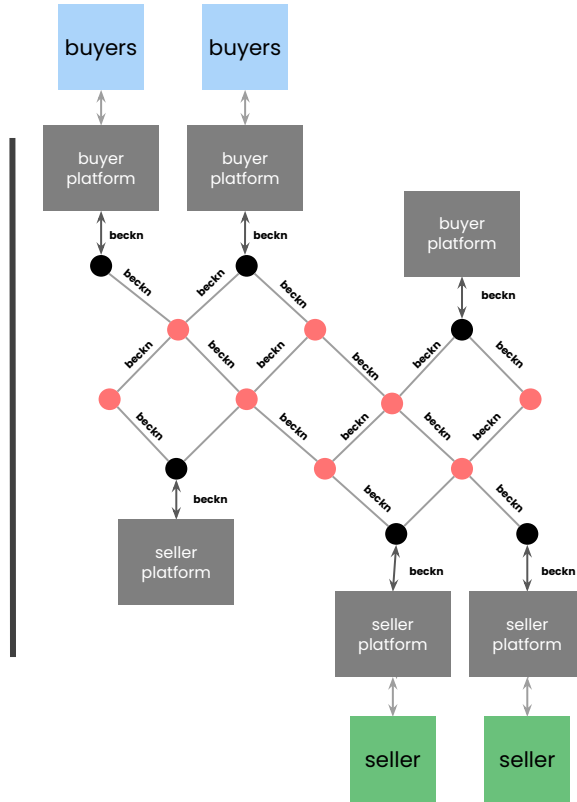
- Open source specifications as **digital rails** for **consumer - provider transactions** - trusted, low-cost, decentralized, and at scale

- **No intermediary** - Decentralised open networks

- **Empower local and small businesses** - **Equitable access** to market opportunities and participation in digital economy

# Open transaction protocol for digital economy
## NOT a platform, NOT "an app"

**Open Source Specifications** | **Zero Runtime** | **Technology Neutral**

**beckon** (verb): to signal by a gesture with the hand

# MaaS as  Decentralised Open Networks

# Integrated mobility as Open Networks

# Kochi Open Mobility Network



Third-Party BAPs*

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Open Registry

Beckn Gateway

CITU, INTUC, BMS, State Water Transport, Tourist Taxi
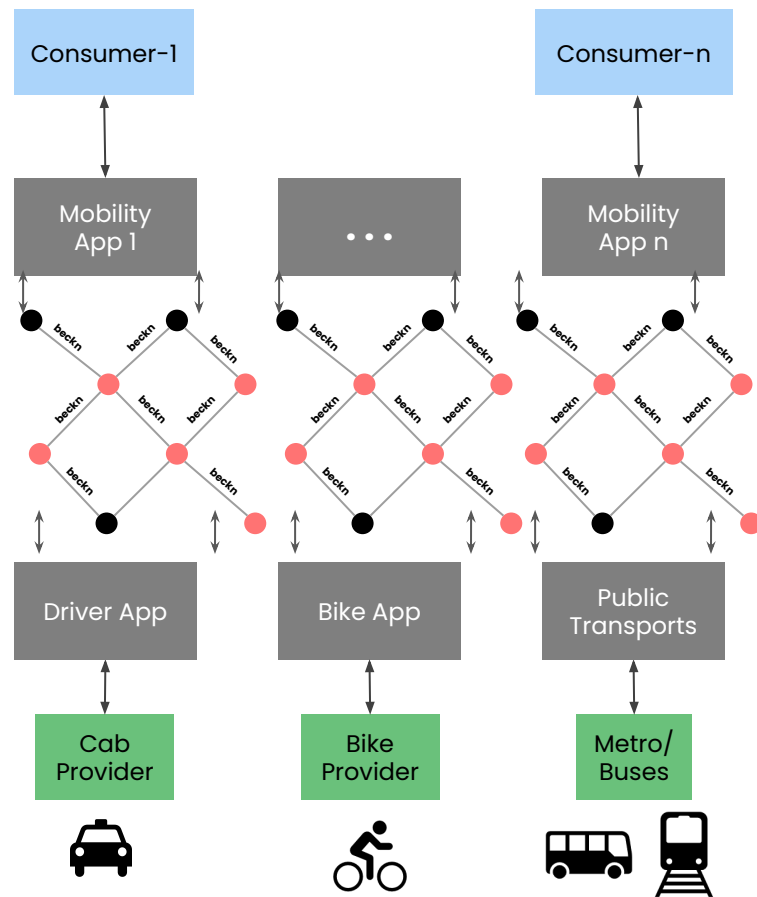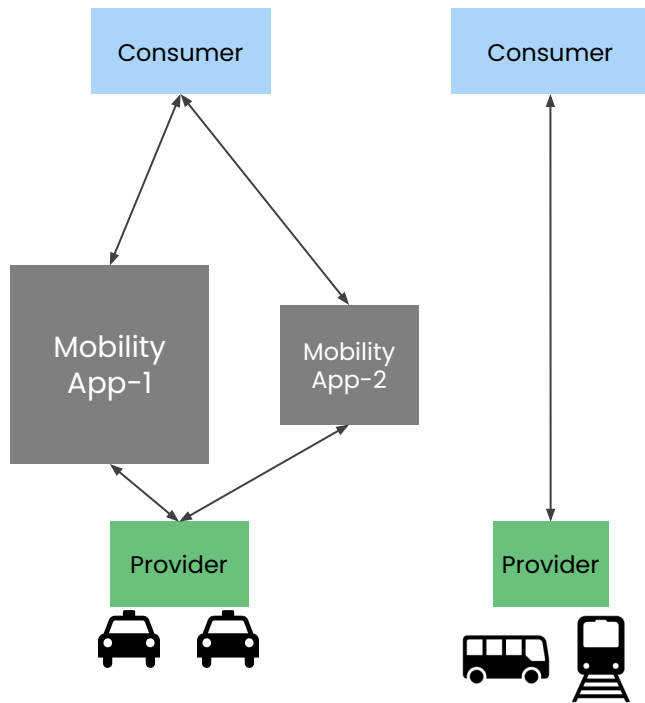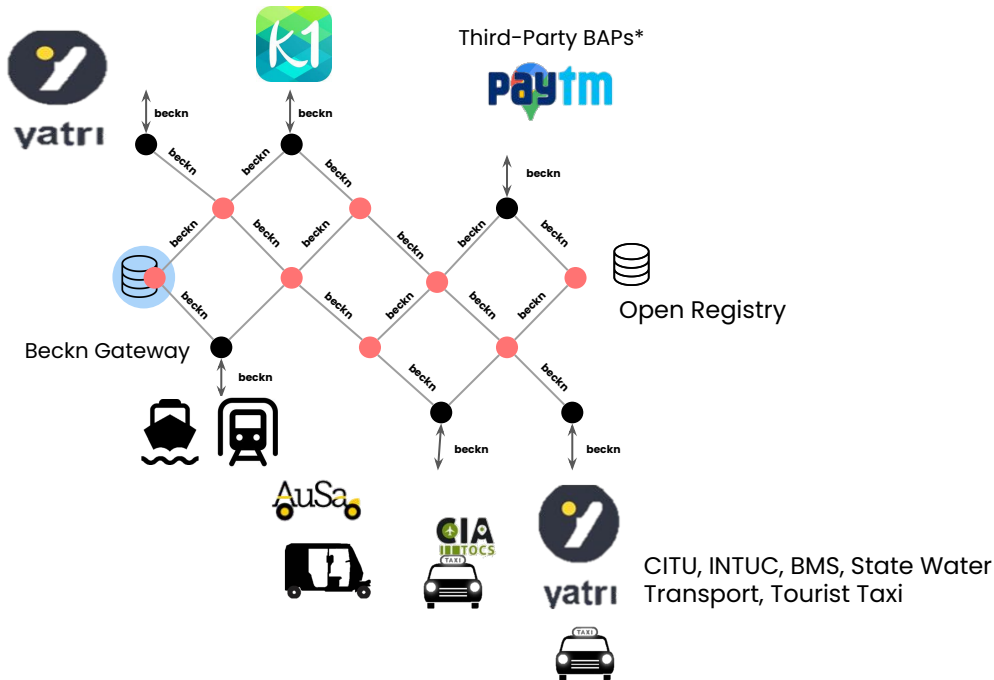
To be expanded to whole of **KERALA** with **ONDC**

Logos are for illustrative purposes only

The NEWS Minute

# One app to access all forms of transport: Kerala to implement open mobility project

Bengaluru-based Beckn Foundation, co-founded by Nandan Nilekani, will be implementing the project in Kochi to start with.

KOCHI

# Transport Minister launches Kochi Open Mobility Network

SPECIAL CORRESPONDENT

KOCHI JULY 23, 2021 21:15 IST
UPDATED: JULY 23, 2021 21:15 IST

SHARE ARTICLE          0   PRINT   A A A

KOCHI

# Over 1,000 drivers enrol with Yatri app in Kochi

John L. Paul

KOCHI JULY 12, 2021 20:27 IST
UPDATED: JULY 12, 2021 20:27 IST

SHARE ARTICLE          PRINT   A A A

**Drivers need not pay commission to promoters of app; formal launch slated for July 23**

The newly introduced low-fare option, alleged non-revision of fares for five

13  |

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# Namma Yatri – From ARDU and Juspay
## Formally launched on Nov 1



**beckn**
Protocol

**JUSPAY**

**Satya Arikutharam**
Mobility Expert &
BOC Volunteer

**Hari Prasadh**
VP, Juspay
Technologies

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open
collective

# Namma Yatri (Beta) – By the Driver, For the Driver, Of the Driver

**namma yatri**

## Verified Drivers
### 8900
Valid DL, RC, Permit, Insurance

## Active Riders
### 53,000
Installed Namma Yatri Rider Base

## Rides Completed
### 6000
Rides successfully completed

## Ride Search
### 1,80,000
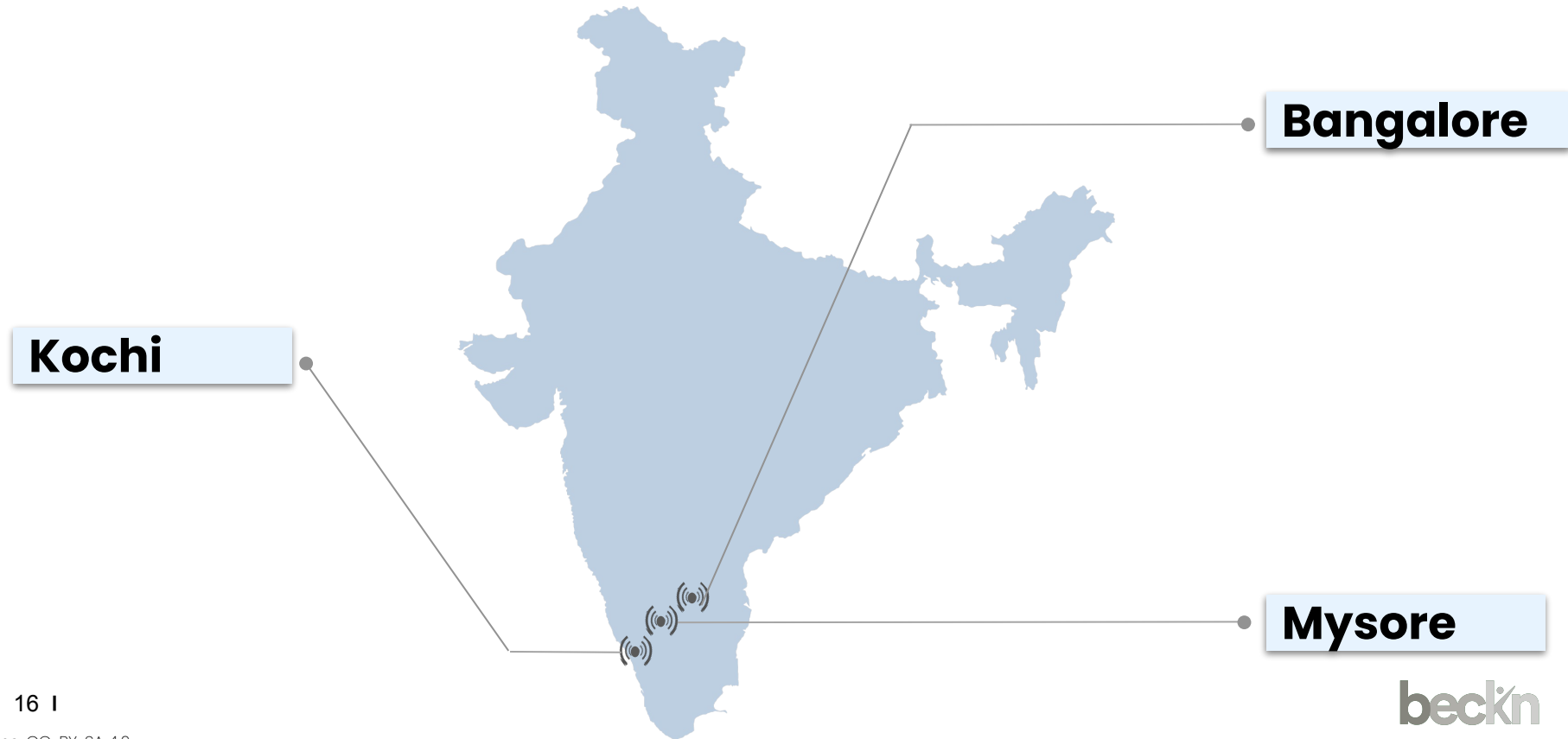To & Fro ride search request

## Ride Earnings
### ₹6,70,000
Successful fare collected on rides completed
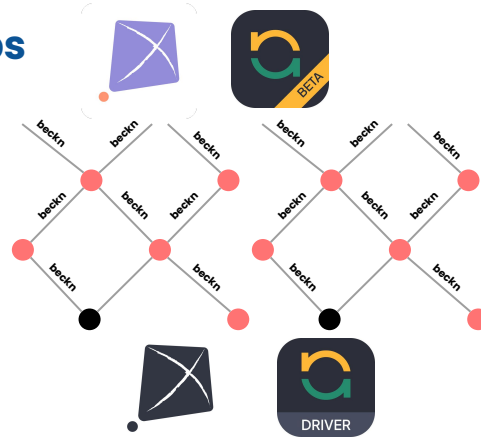
## Avg Daily Rides
### 900
Daily rides successfully completed

Courtesy: **JUSPAY**

# **MaaS as Open Mobility Network** expanding across the country
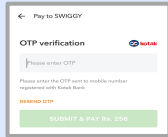
**Bangalore**

**Kochi**

**Mysore**

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# Juspay's Atlas - Contribution to Open Mobility

**Consumer Side Mobility Apps**



**On any Multimodal**

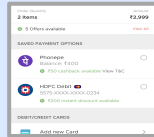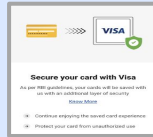**Network that supports**

**Beckn Protocol**
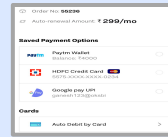
**Provider Side Mobility Apps**



**Mobile Apps for Driver and Rider**

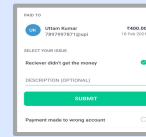**Onboarding & MVD Compliance**

**Driver Pool Computation**

**Fare Policy Management**

**Multimodal Mobility Service Management**

**Support & Grievance**

# Open Source Beckn Enabled apps to get started

ATLAS
FOSS

(JUSPAY)

# Open Source Beckn Enabled apps to get started

Mobility-on-Demand FOSS

(FIDE)

# Open Network Ecosystems with Beckn Protocol
## Mobility & Beyond! Benefit from combinatorial innovation

**Open Networks**

Open Kochi KOMN | namma yatri | ONDC Open Network for Digital Commerce | Unified Health Interface (UHI) | Skills Open Network **

**Sectors**

Mobility | Retail & Logistics | Health & Wellness | Learning & Skilling

**beckn**
Beckn Protocol

*** Network still under progress*

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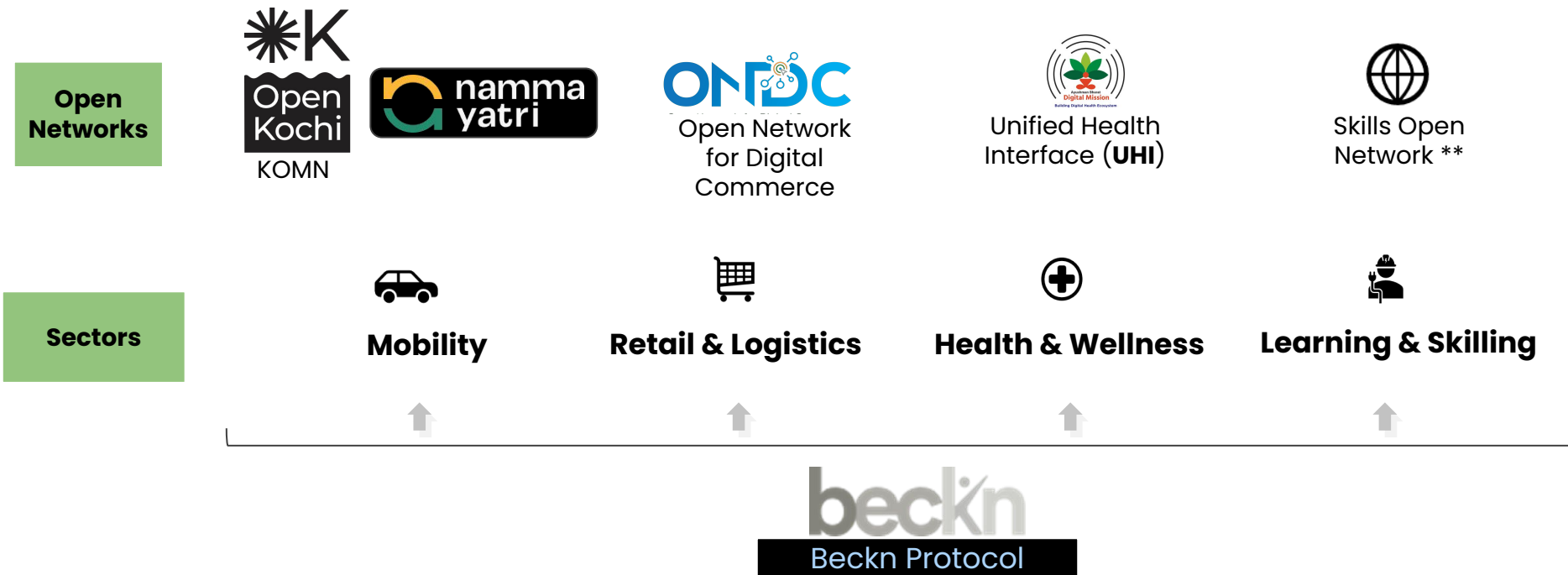
# Rethinking model for MaaS!

**./ Adopt Interoperability** , NOT aggregation

Open Specifications based | Multi Modal | Multi Operator | Multi Platforms (1-sided)

**./ As Infrastructure** , NOT central platforms

Open Protocols & Networks as Digital Public Infrastructure

**./ Think Ecosystem** , NOT system

Recognise Diversity across mobility stakeholders, Unify NOT Standardise

Logos are for illustrative purposes only

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Join the **Beckn Open Collective**

# Interoperable networks work in other domains too

**Caller Phone** ⸻ **Receiver Phone**

**GSM/SMS**

**Caller ISP** ⸻ **Receiver ISP**

**Payment client** ⸻ **PoS Device**

**HTTP(S)**

**Acquirer Server** ⸻ **Issuer Server**

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