



AirCargoBelgium

[www.aircargobelgium.be](http://www.aircargobelgium.be)

## Who?

- Umbrella organisation at BRUcargo
- Neutral entity

## What do we do?

- Community projects

## For who?

- Our Community

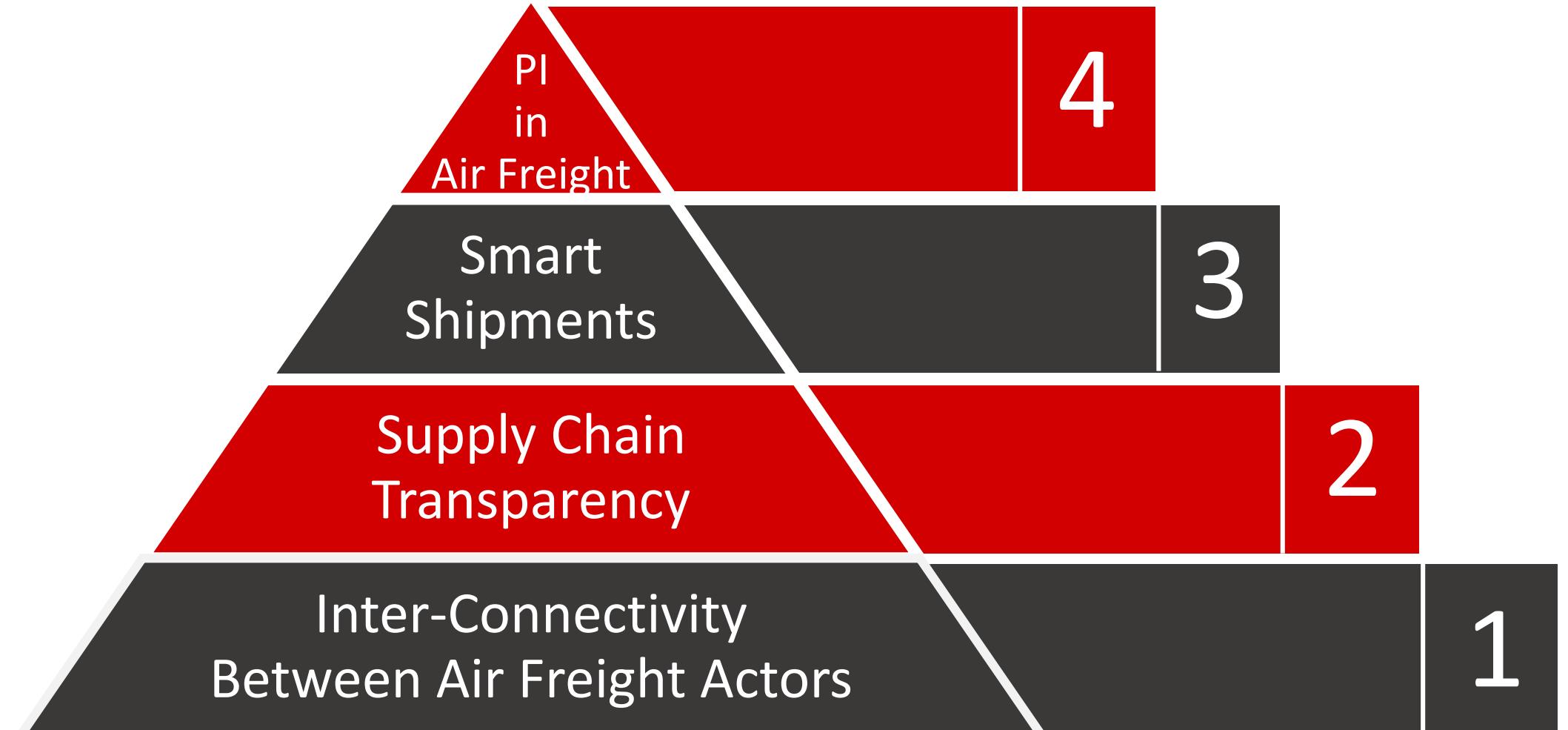
→144 Members



# ACB Community



# PI roadmap for air freight



# PI roadmap for air freight



## Why is air Cargo Belgium working on Physical Internet?

- We strive to make BRUcargo the most attractive, efficient, innovative and successful logistical platform
- We want to be a pioneer in PI in the air freight sector

Together with our community we are already working on several projects related to PI:

Clusters 2.0



Fenix



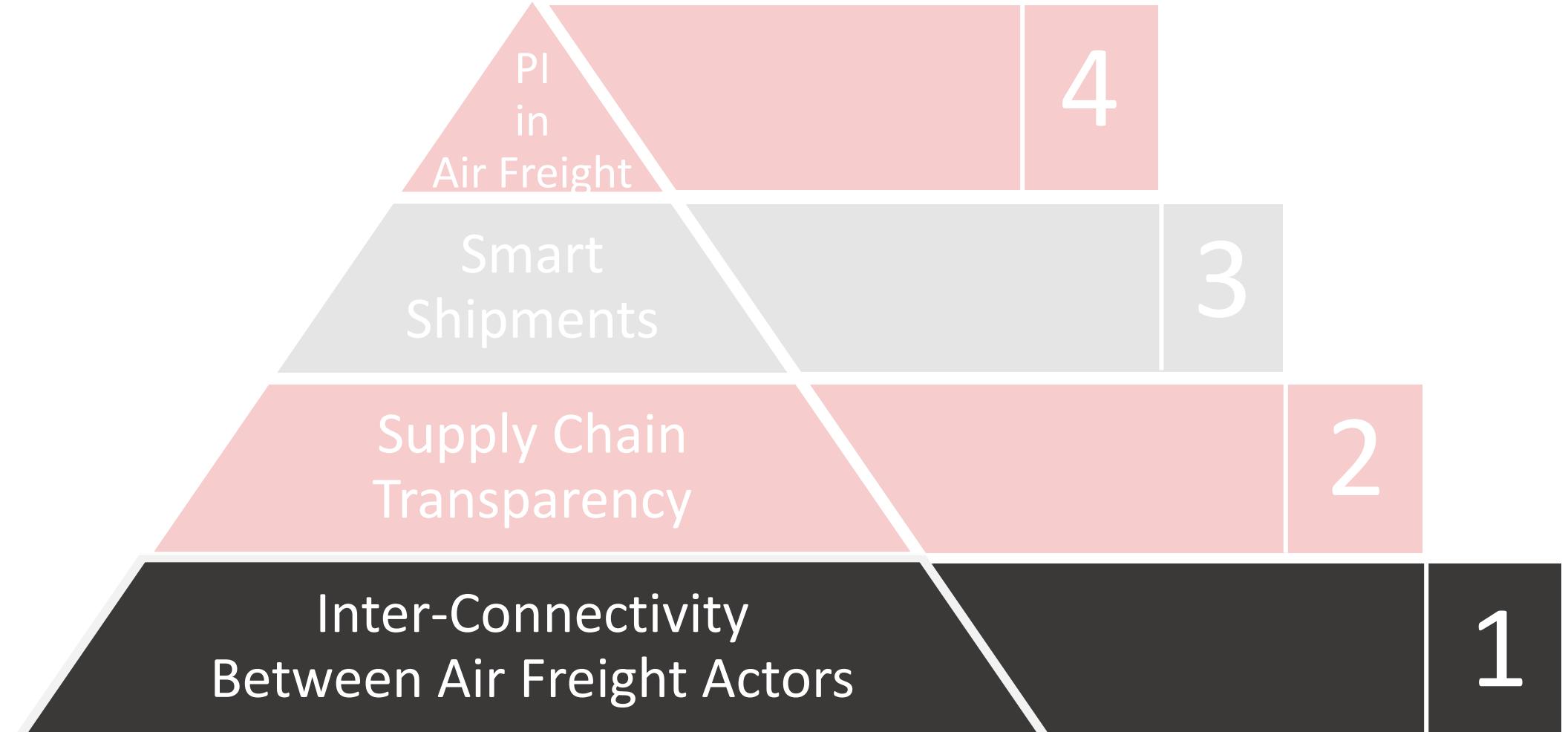
Gateway2Government



Local projects



# PI roadmap for air freight

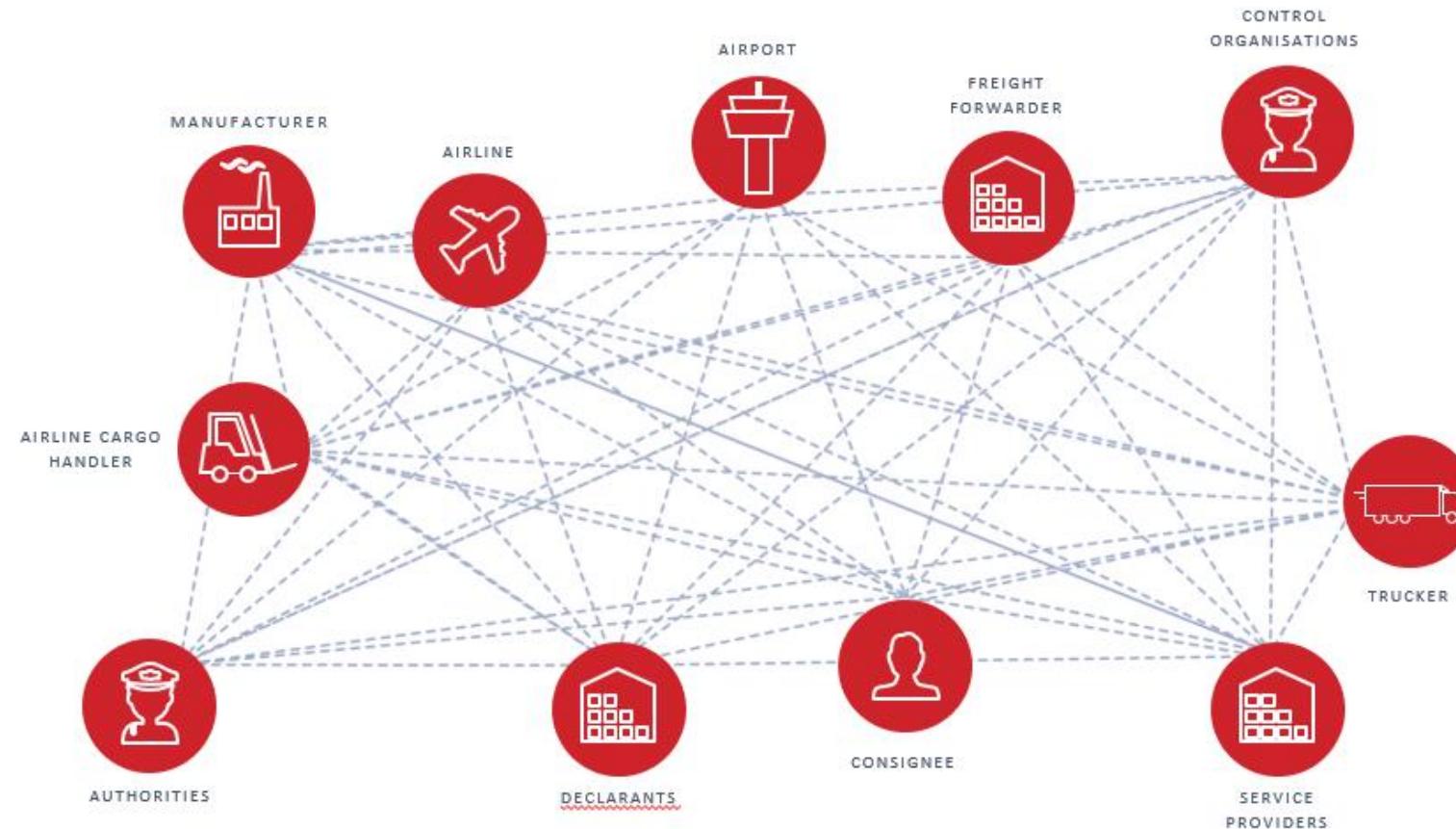


# Inter-Connectivity Between Air Freight Actors



# Scattered landscape

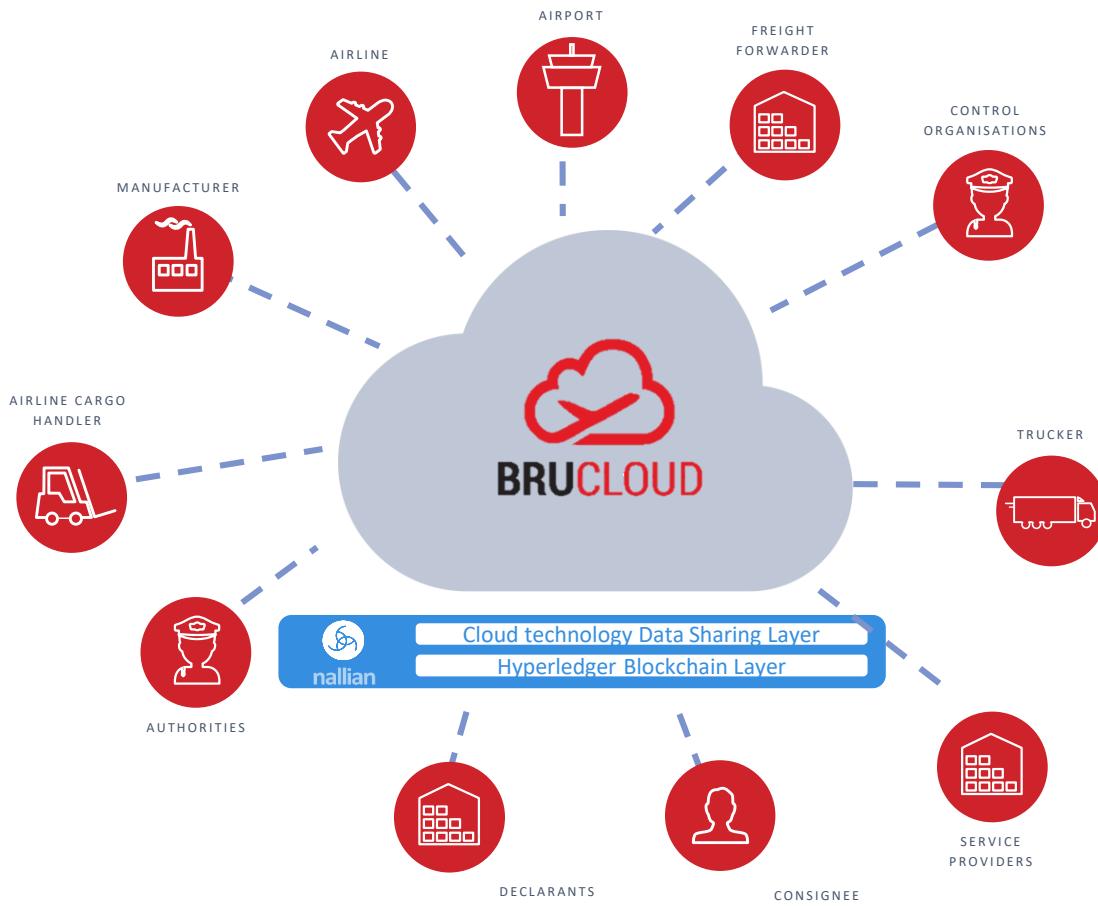
→ Inefficiencies, errors, no visibility



# Inter-Connectivity Between Air Freight Actors

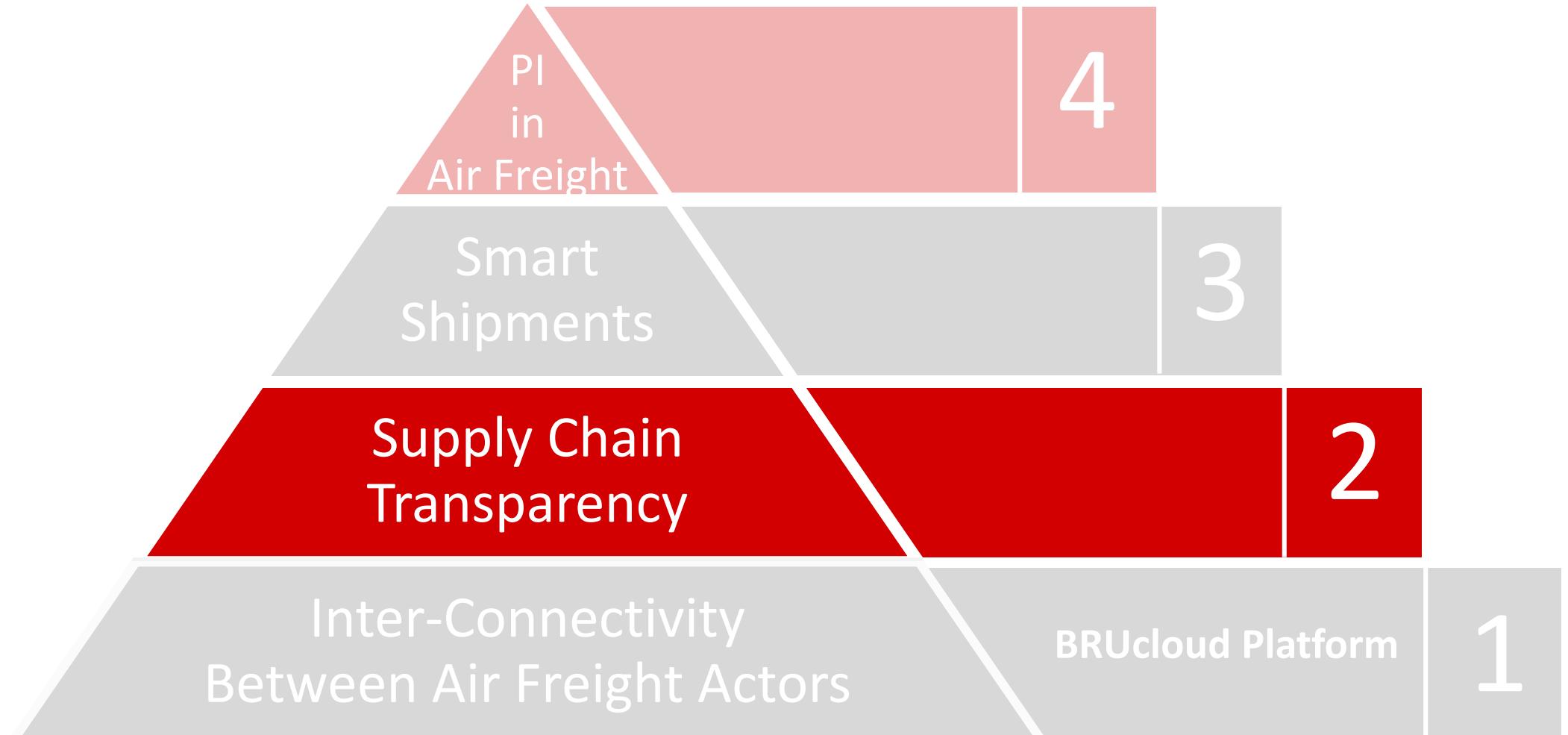


What if we start sharing data?

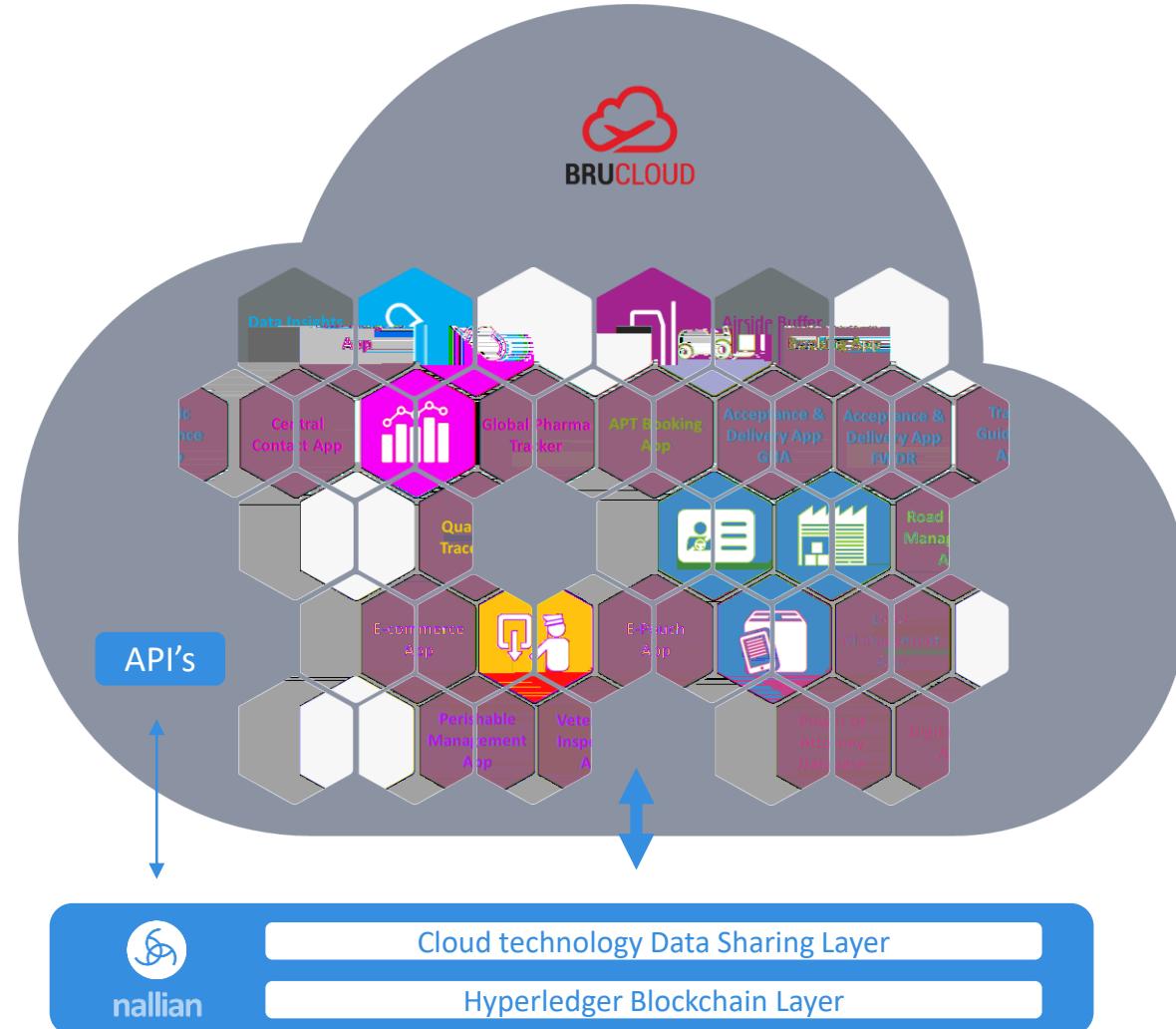


- The BRUcloud platform is **Brussels Airport Company** initiative operational as of 2015
- **Open data sharing platform**, with multiple **collaborative apps**, enabling to work more integrated and act as a network
- **Long term focus** and linked to global data backbone (cloud of the clouds)

# PI roadmap for air freight



# Supply Chain Transparency



Air Cargo Belgium brings partners together to operationally roll out the different apps

# Supply Chain Transparency - Slot Booking App



# Supply Chain Transparency - Slot Booking App



Why?



Smoothen the process of  
freight delivery/pick-up at the  
GHA's facilities



Eliminate waiting times  
(peaks) and idle times



Optimize personnel planning



Central community approach

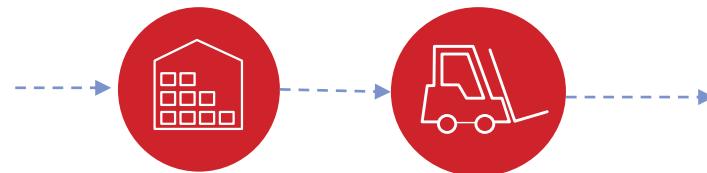


Transparency

# Supply Chain Transparency - Slot Booking App



Who?



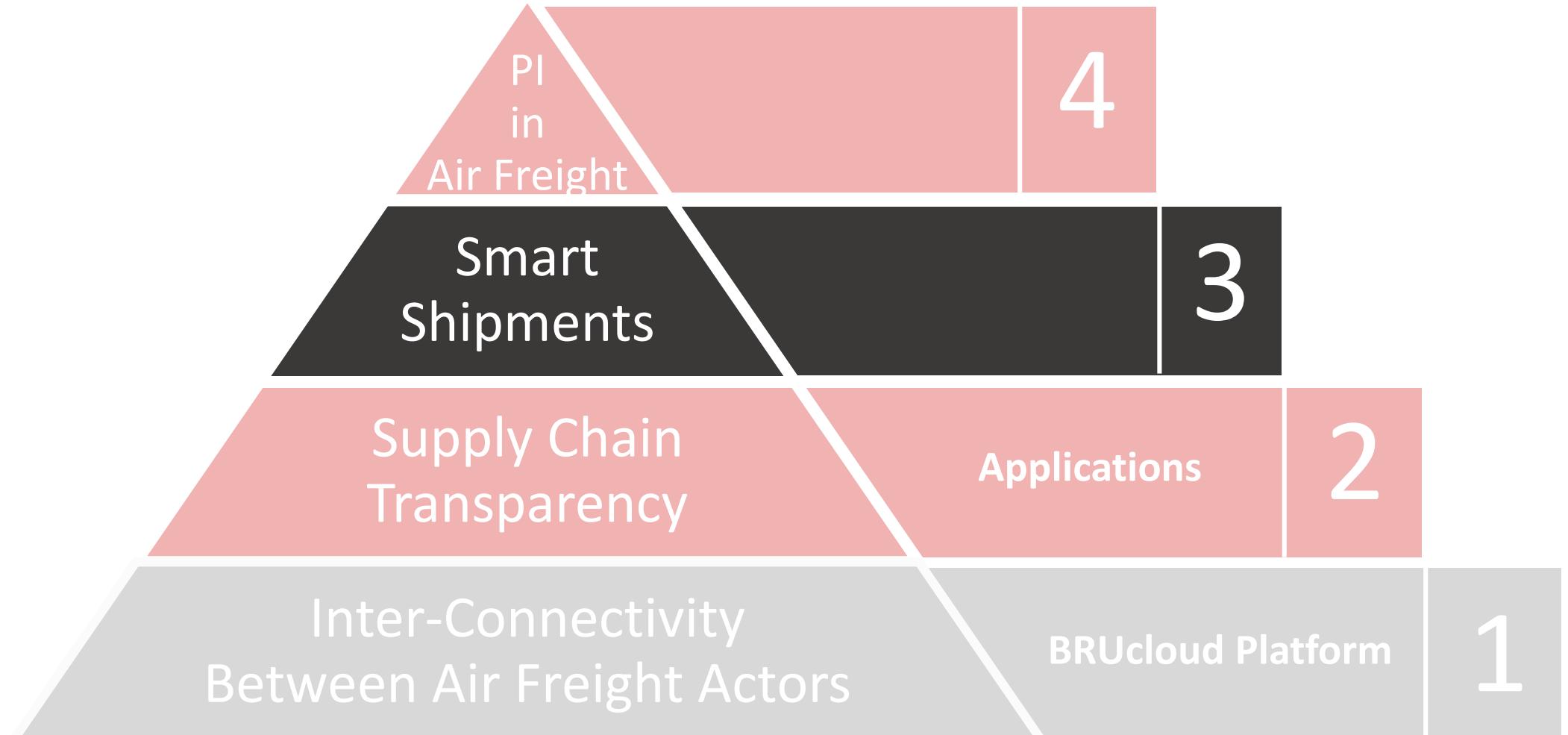
## **Booker (freight forwarder):**

- request a single or recurrent time slot
- via the same central web-application for all ground handlers/locations

## **Supplier (ground handler):**

- make time slots for different cargo types available
- via the web-application or a system-to-system link with its intern slot management system

# PI roadmap for air freight



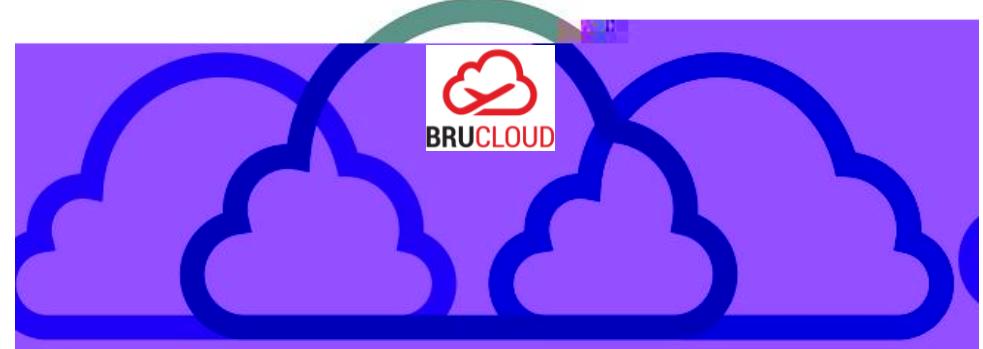
# Smart Shipments



## What are the next steps?

- Big Data Analysis
- Artificial Intelligence Analysis
- Pilot cases with IoT devices
- Attract International partners
- Connect BRUcloud to other airport platforms and exchange data
- Let cargo find their own way to the destination location

→ Physical Internet



# Smart Shipments - Towards Physical Internet



Grant Project Together started together with the province of Flemish Brabant:

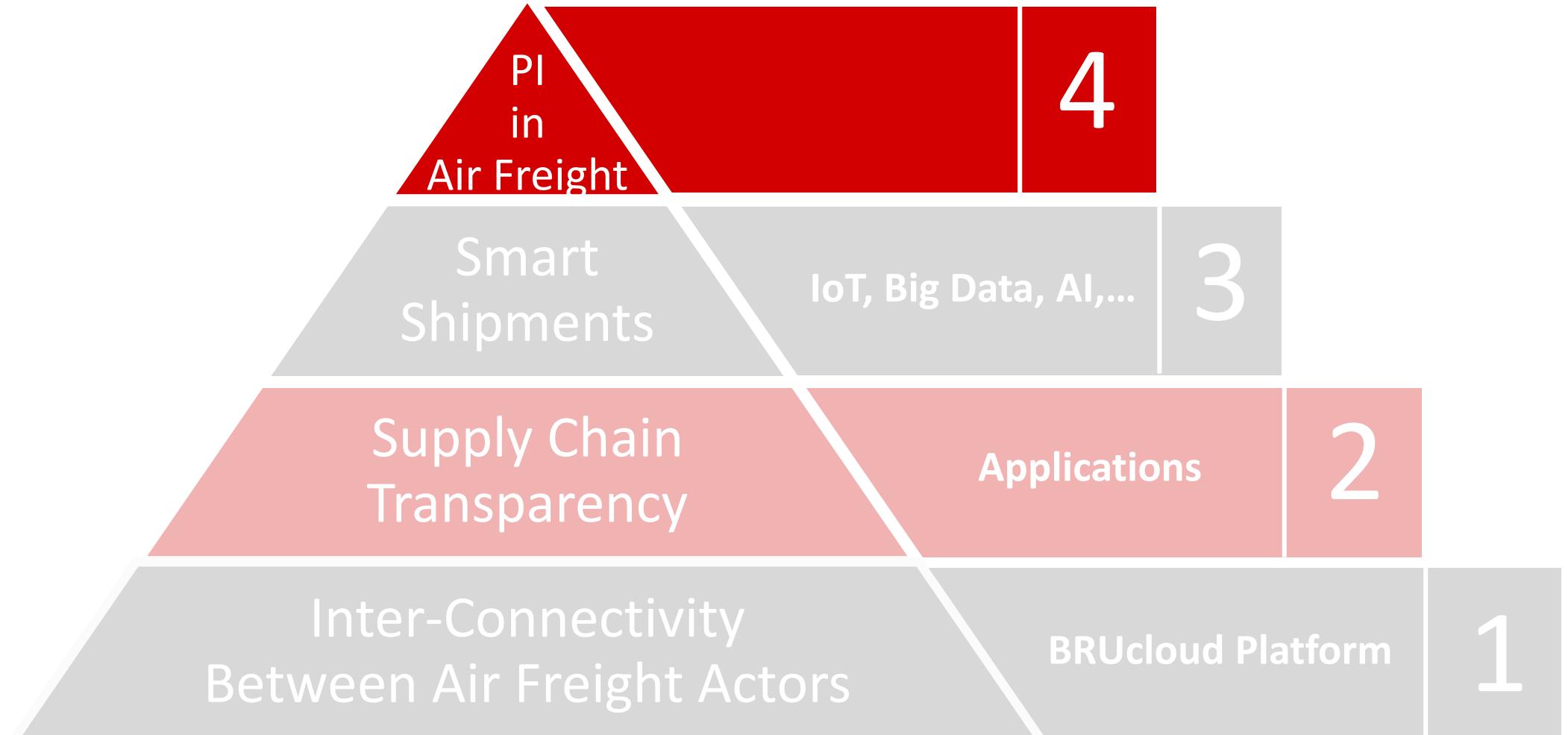
Scope:

- Developing roadmap to “Physical Internet in de luchtvrachtlogistiek”
- Local test cases: Internet of Things, Artificial Intelligence & Virtual Reality/Augmented Reality in air freight

Partners:



# PI roadmap for air freight



# Physical Internet



$\pi$  Physical Internet