



AirCargoBelgium

www.aircargobelgium.be

Who?

- Umbrella organisation at BRUcargo
- Neutral entity

What do we do?

- Community projects

For who?

- Our Community
→ 144 Members

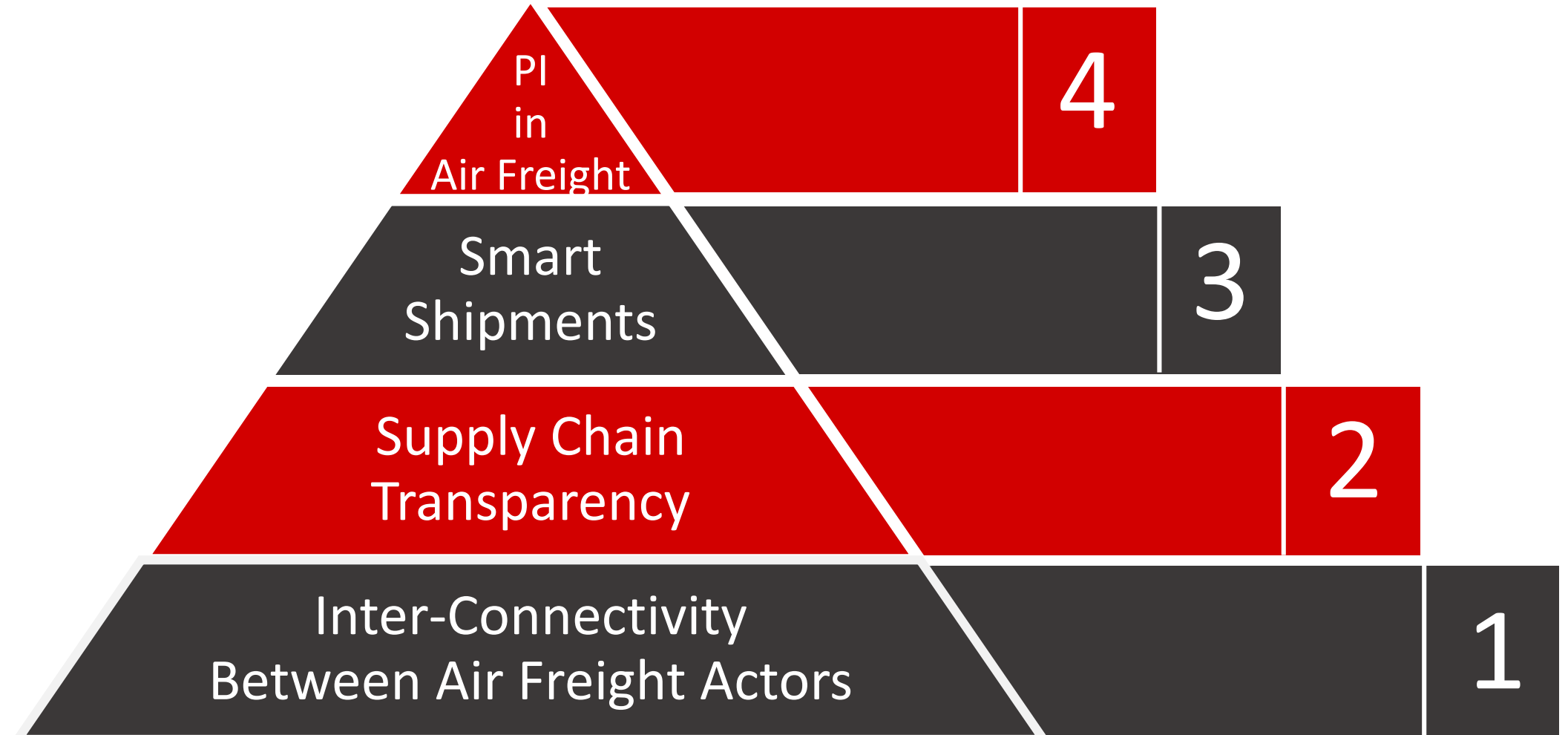


ACB Community



At all times, our goals and objectives are in the interest of the air cargo community as a group and to the overall benefit of our industry.

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



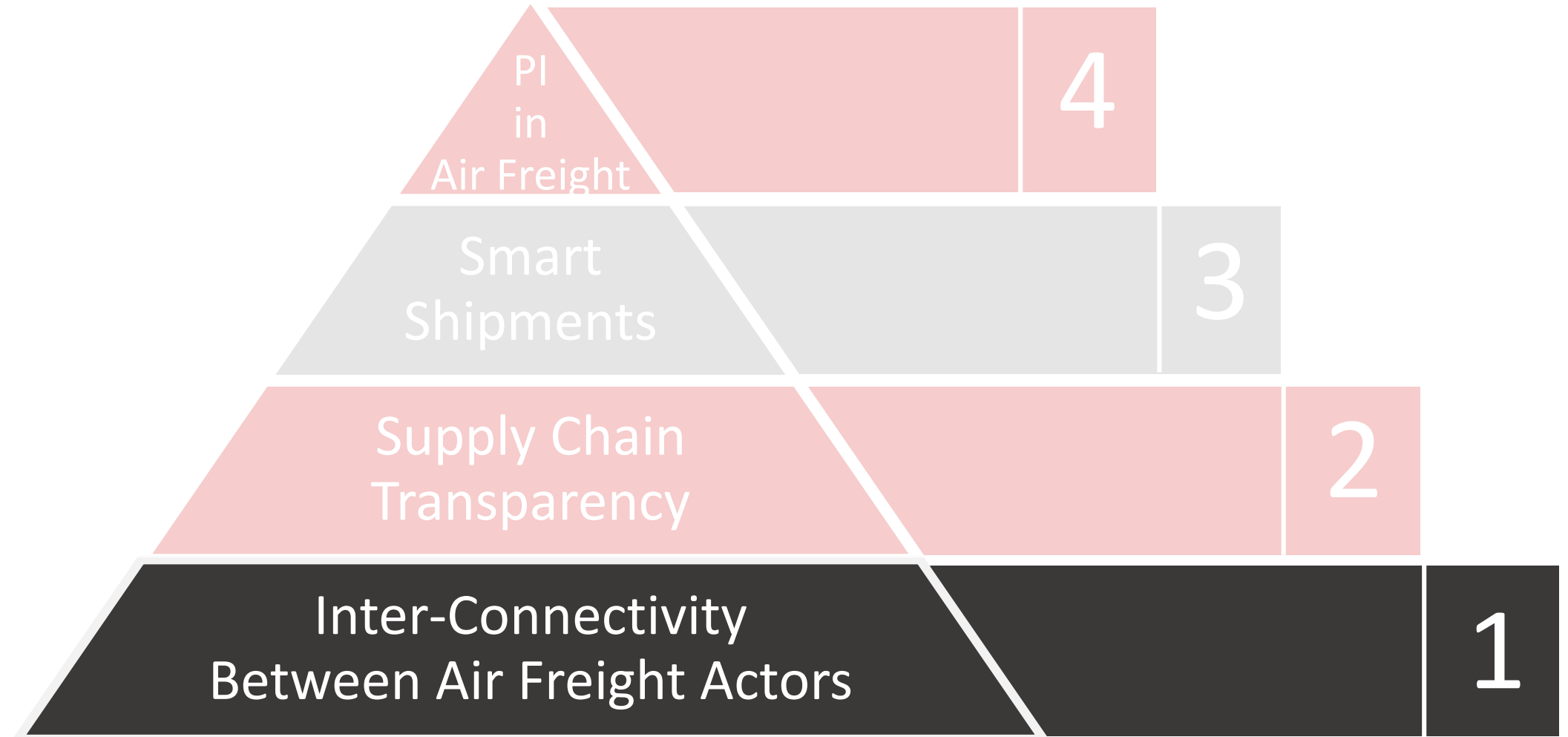
Gateway2Government



Local projects



PI roadmap for air freight

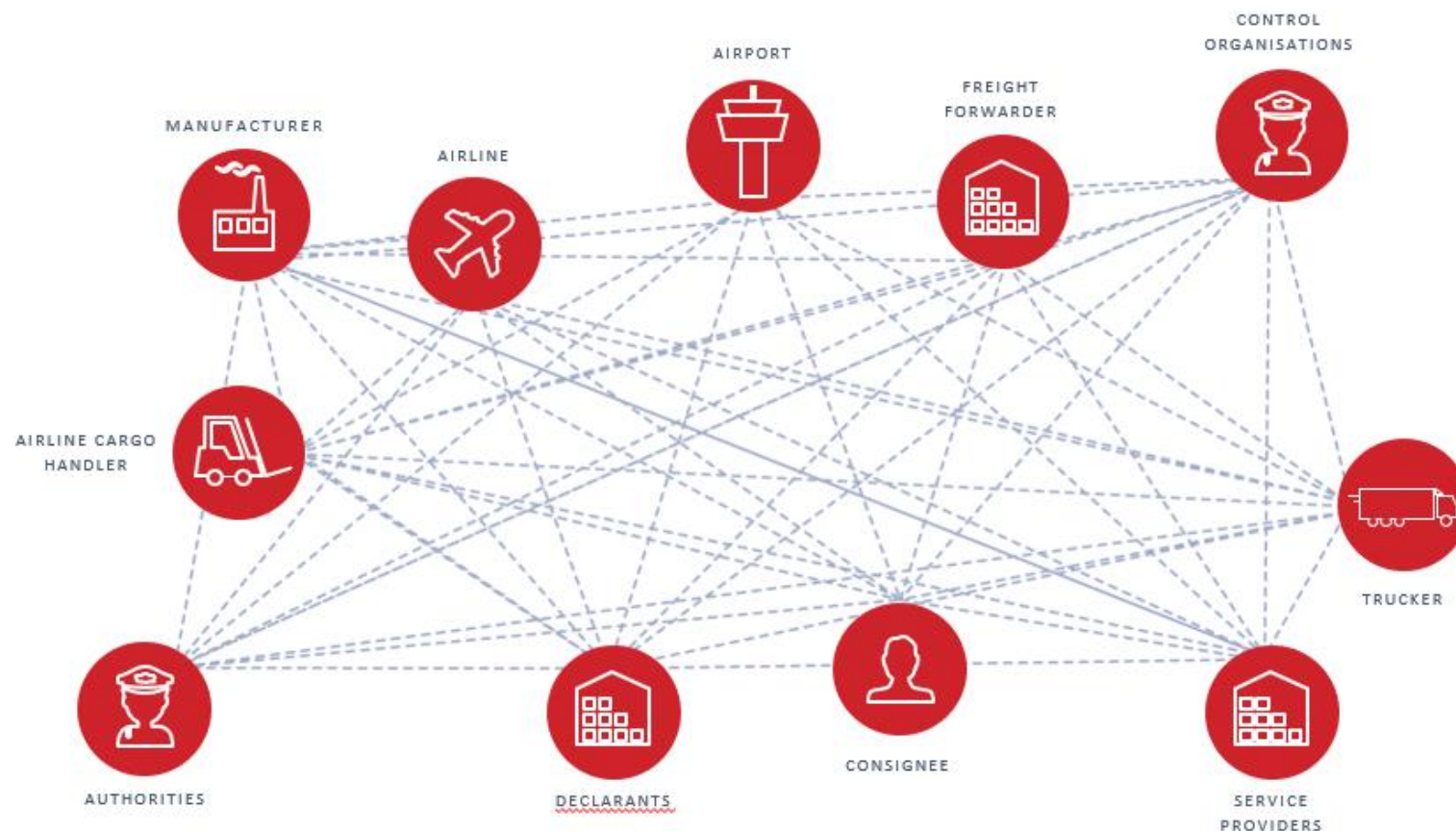


Inter-Connectivity Between Air Freight Actors



Scattered landscape

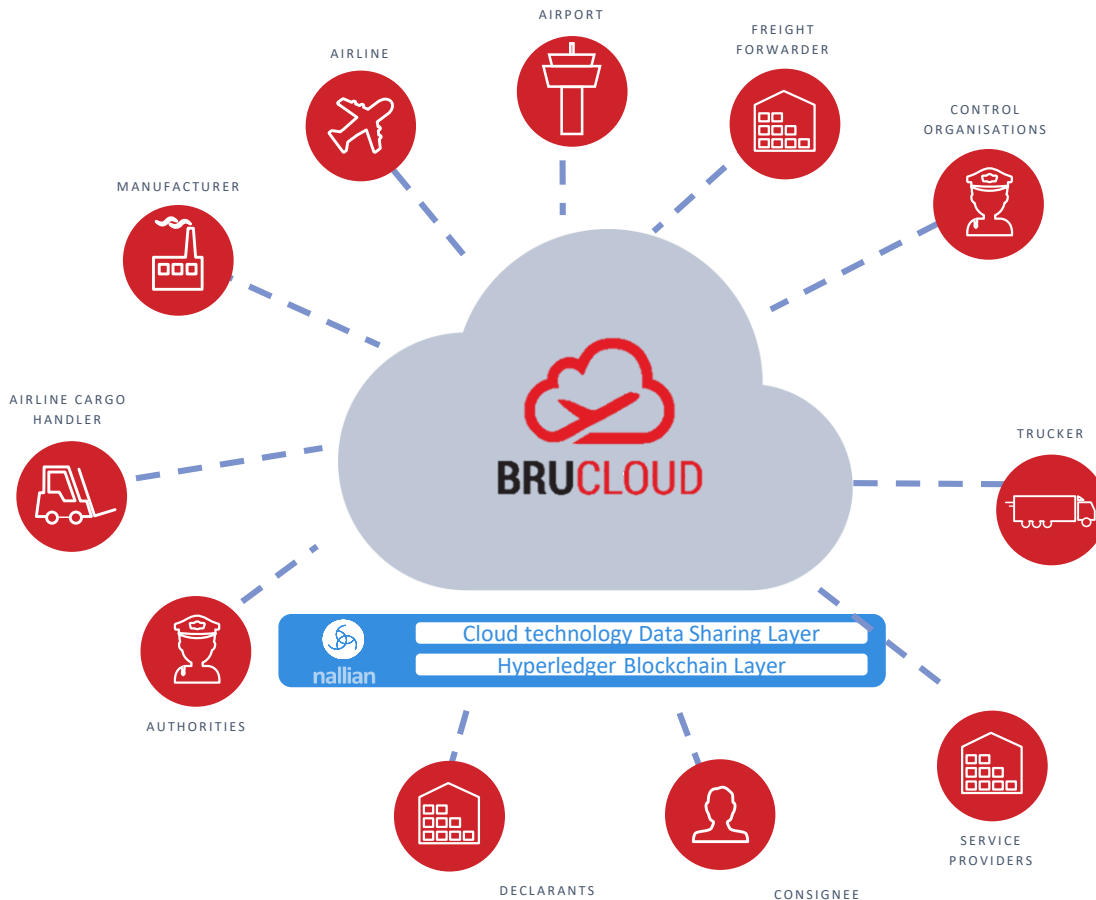
→ Inefficiencies, errors, no visibility



Inter-Connectivity Between Air Freight Actors

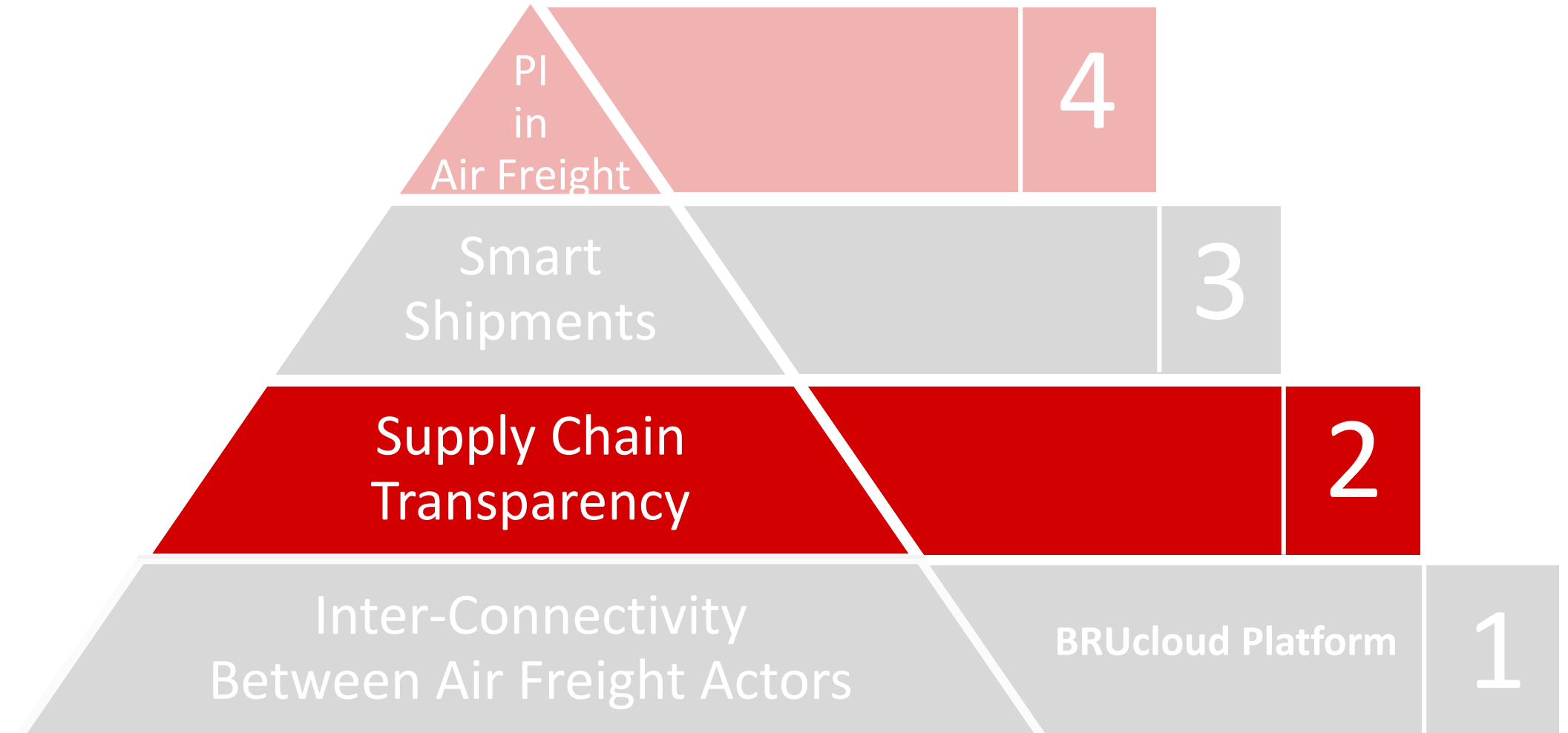


What if we start sharing data?

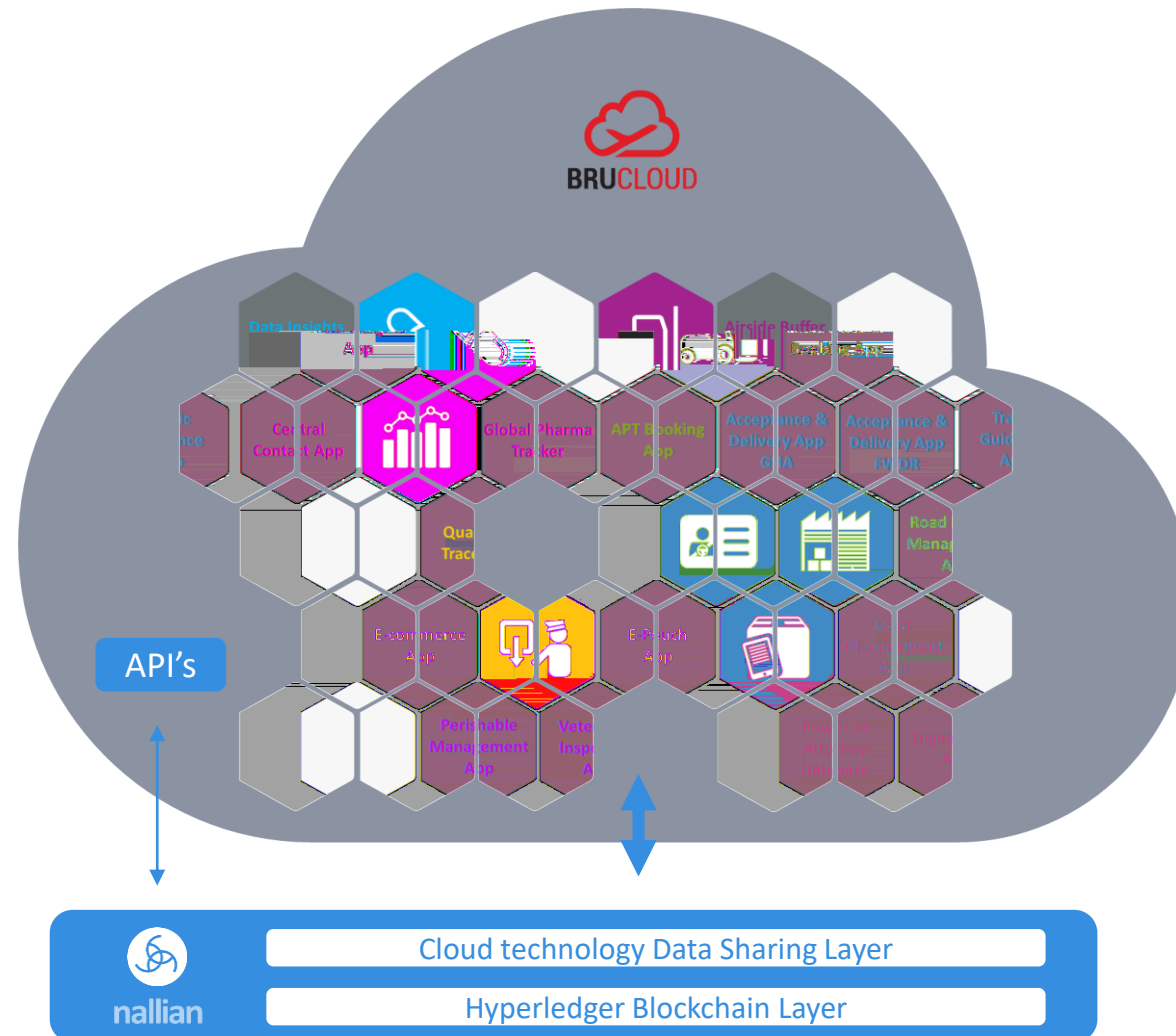


- The BRUcloud platform is **Brussels Airport Company** initiative operational as of 2015
- **Open data sharing platform**, with multiple **collaborative apps**, enabling to work more integrated and act as a network
- **Long term focus** and linked to global data backbone (cloud of the clouds)

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

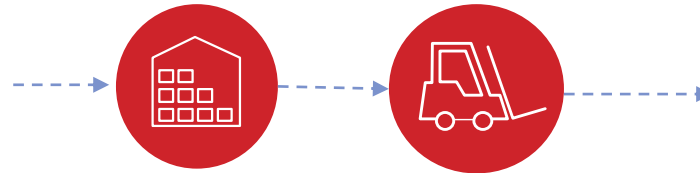


Transparency

Supply Chain Transparency - Slot Booking App



Who?



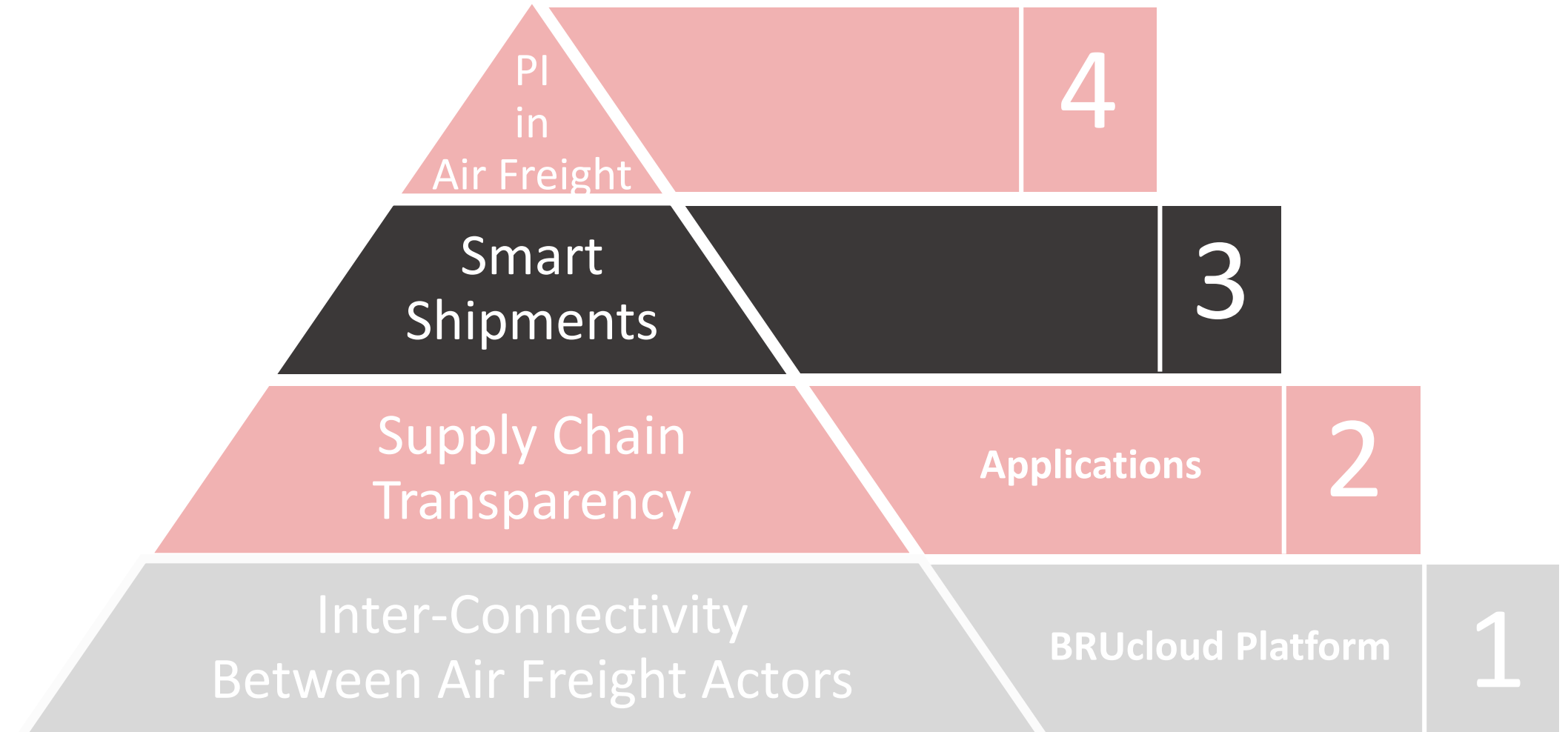
Booker (freight forwarder):

- 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

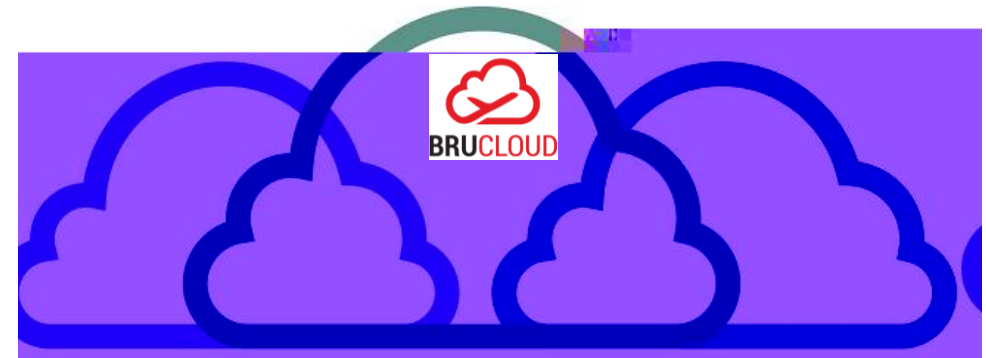
PI roadmap for air freight





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:

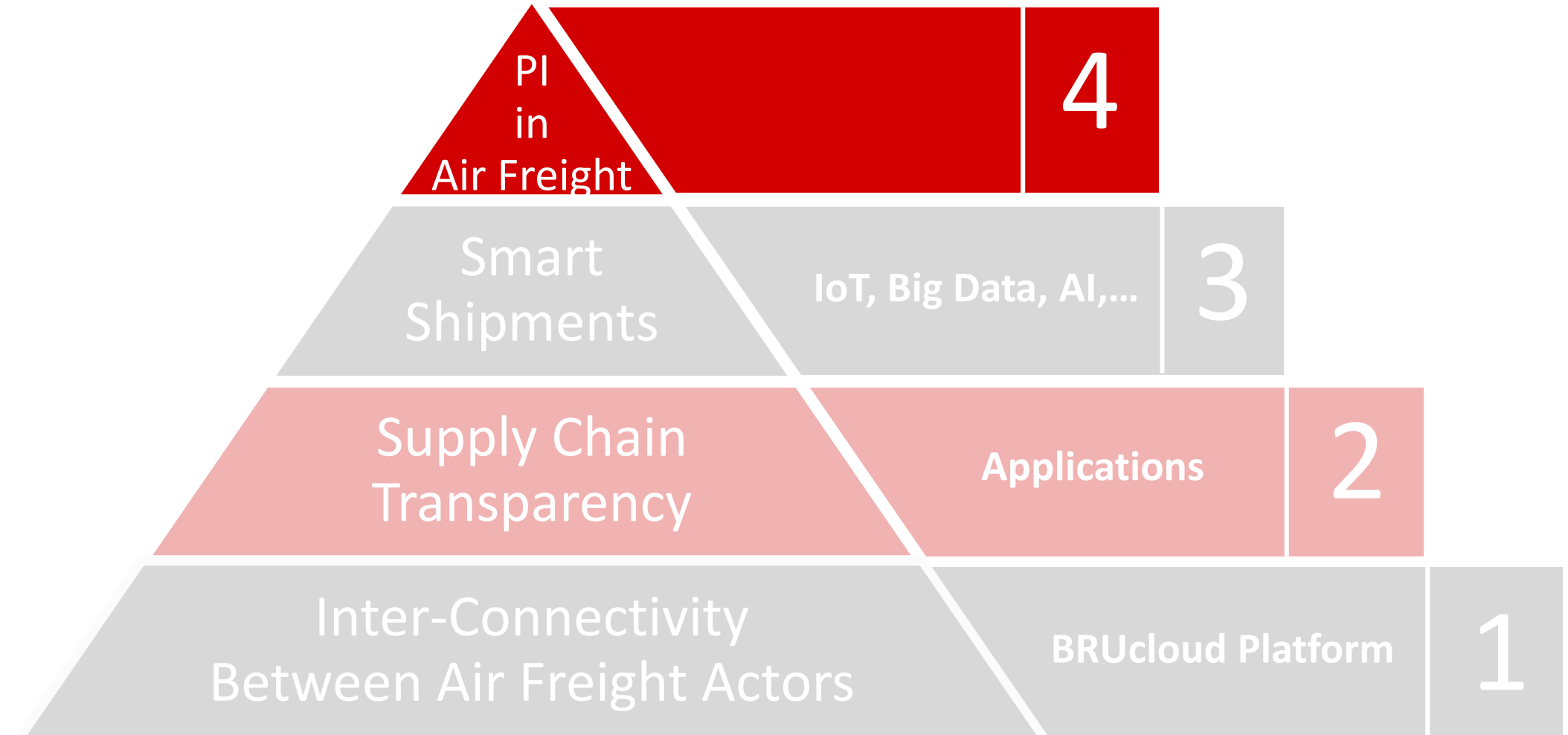
Scope:

- 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



π Physical Internet