



GROUPE ADP



**INNOVATIONHUB**

PRESS CONFERENCE

29 MARCH 2017

## GRUPE ADP IS...

- An airport system comprising three airports in France: Paris-Charles de Gaulle/Paris-Orly/Paris-Le Bourget
- 23 airports managed worldwide
- 240 million passengers handled in 2016
- three strategic priorities: Optimise, Attract and Expand
- €4.6 billion in investments between 2016 and 2020



# AN EXCEPTIONAL AREA

## Example: Paris-Charles de Gaulle Airport

- 3,257 hectares
- 180,000 passengers per day
- 90,000 employees per day
- 5 metro stations - driverless line
- 300,000 trips per day

*Smart City*



*Smart Building*



*Smart factory*



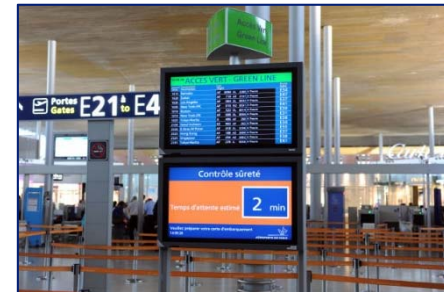
# EXAMPLES OF PROJECTS ROLLED OUT



Arrivals Information spaces



Reading areas



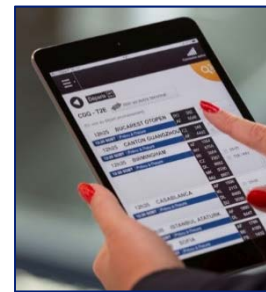
Security checkpoint waiting times



Vasco



Biop



Prima Mobile app



Business Areas

## OUR AMBITION:

### TO BECOME THE MOST INNOVATIVE AIRPORT GROUP IN THE WORLD

- Roll out the Innovation Hub approach on an international scale
- Speed up the development of innovation ecosystems in spaces that embody this approach
- Develop a truly innovative range of services throughout the value chain

# INNOVATION AS A DRIVER OF TRANSFORMATION AND COMPETITIVENESS

## Our goals:

- Speed up innovation with prototypes and trialling in the short term
- Explore new areas and business models in the medium term
- Spread the innovation culture and involve employees in the approach
- Provide assistance for business units (sourcing, methodology, financing)

## Customer perception:

- Passengers (B2C)
- Airlines (B2B)
- Employees (B2E)

## A unique organisation which:

- evolves in short cycle decision-making (Test & Learn culture)
- has a state-of-the-art system
- is free to take the initiative
- has its own budget

## THREE STRATEGIC VERTICALS

### SMART AIRPORT

- Develop smart infrastructure, a digital airport
- Boost the personalised service offering, in order to provide a unique experience

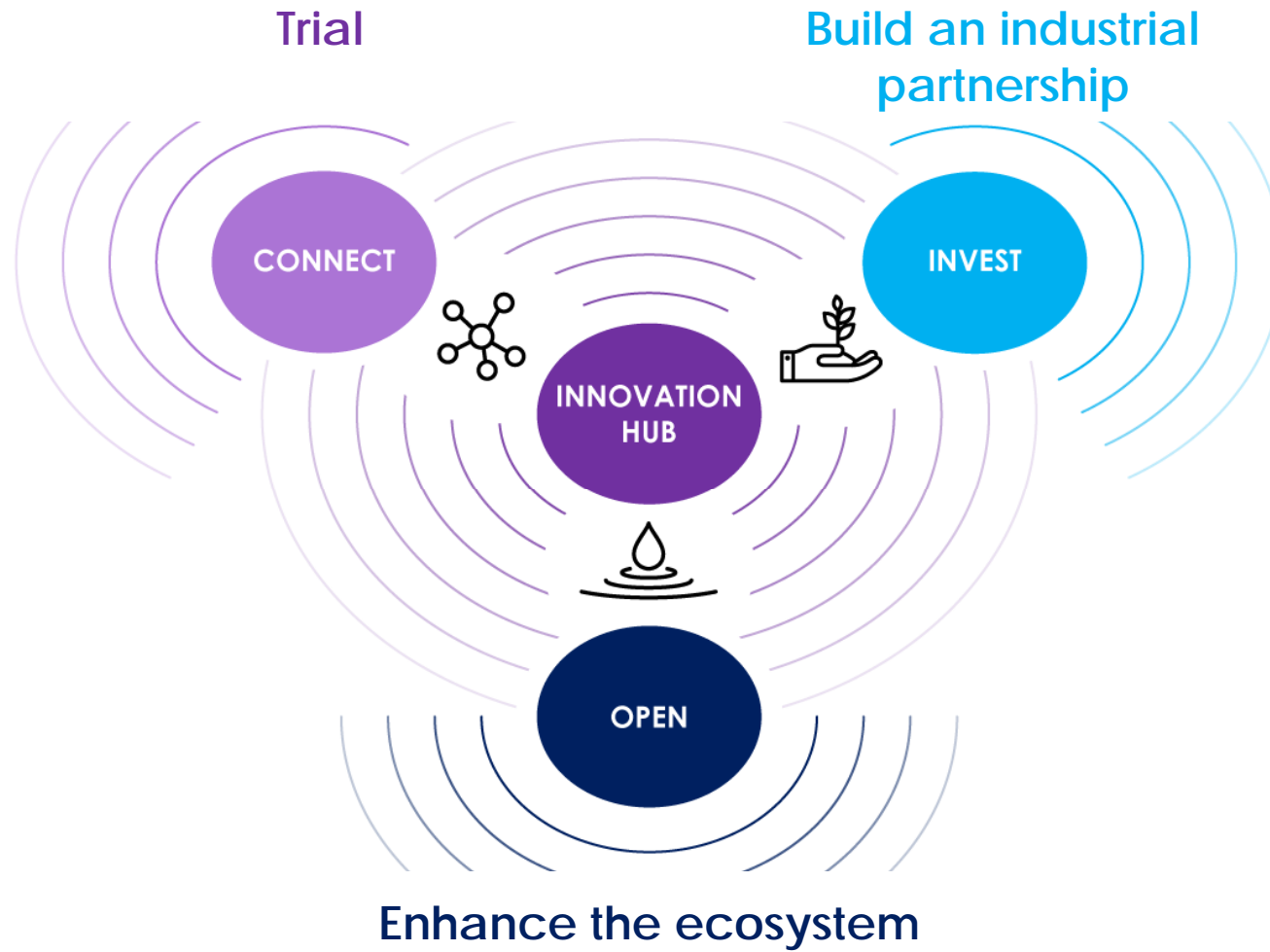
### BETTER CONNECTIONS

- Improve connectivity with new digital and automation options
- Optimise links between the city and the airport, and travel throughout the airport

### ROBOTICS

- Implement process automation solutions to meet the needs of the business lines
- Rethink the passenger experience through the use of new technologies

# INNOVATION HUB: A SYSTEMIC APPROACH



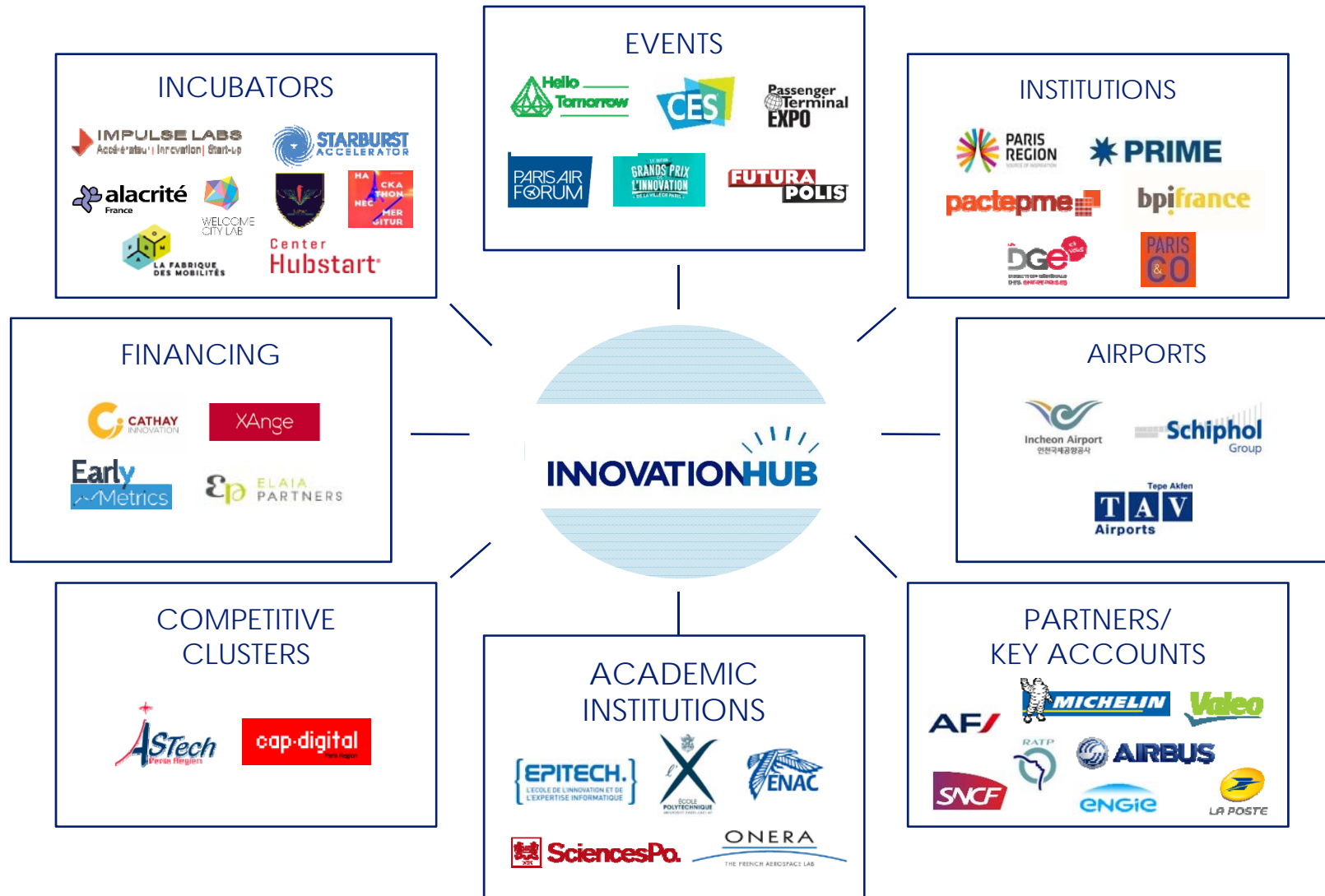




**OPEN**

OPEN, IDENTIFY, TRANSFORM

# A UNIQUE ECOSYSTEM



# SERVING THE DISSEMINATION OF THE CULTURE OF INNOVATION



*"Hello Tomorrow"*



*The Plane of Tomorrow conference ("L'avion du futur")*



*Immersion/ prototype meeting*

## APRIL/MAY

### A few Innovation Hub events



Cybersecurity exercise with EPITECH



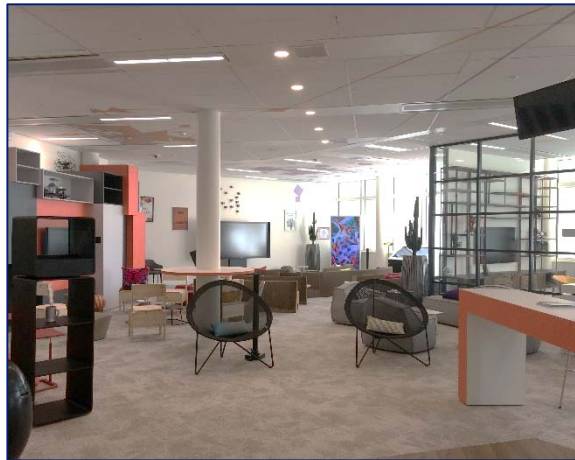
Groupe ADP/Air France Intrapreneurship Conference



Innovation Day with Schiphol and Incheon

## A DEDICATED SPACE AT THE GROUPE ADP HEAD OFFICE

### INNOVATIONHUB



#### Three functions:

- A technological showroom space
- A venue to welcome visitors and host events
- An offering to support experimental projects



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## CONNECT

GET ONBOARD, TRIAL, ROLL OUT

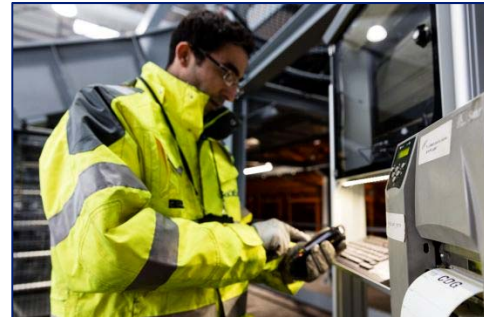
# VISIBILITY FOR START-UPS

- Three Business Areas at Paris-Charles de Gaulle and two at Paris-Orly
- Over a hundred start-up pitches
- Partnership with *OpenSkies*: "Pitch on the plane"
- Presentation of start-ups in *PARIS WORLDWIDE* magazine (300,000 copies)



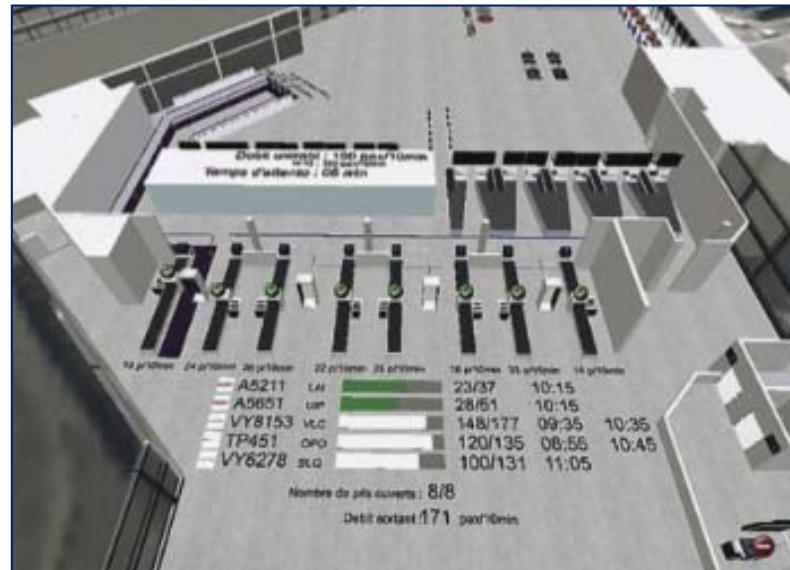
## EXPERTISE AND MENTORING TO SERVE ENTREPRENEURS

- A diversity of know-how (Operations, Engineering, Maintenance, Aeronautics, IT, etc.)
- Trialling monitored by a business advisor



## PROJECTS DEVELOPED

### *'Airport in your pocket'* – Vasco Tristan Kiefer – Business Developer



- Tool for managing terminal operations on-the-go
  - 3D real-time information on passenger flows
- Staffing and equipment adjusted to fit the situation



## PROJECTS DEVELOPED

### *Big Data for aeronautics* *Pierre Journaux - CEO*



- Products to improve airline and airport operations
- *AirsideWatch*: Optimise runway operations with radar data
- Technology based on machine learning algorithms

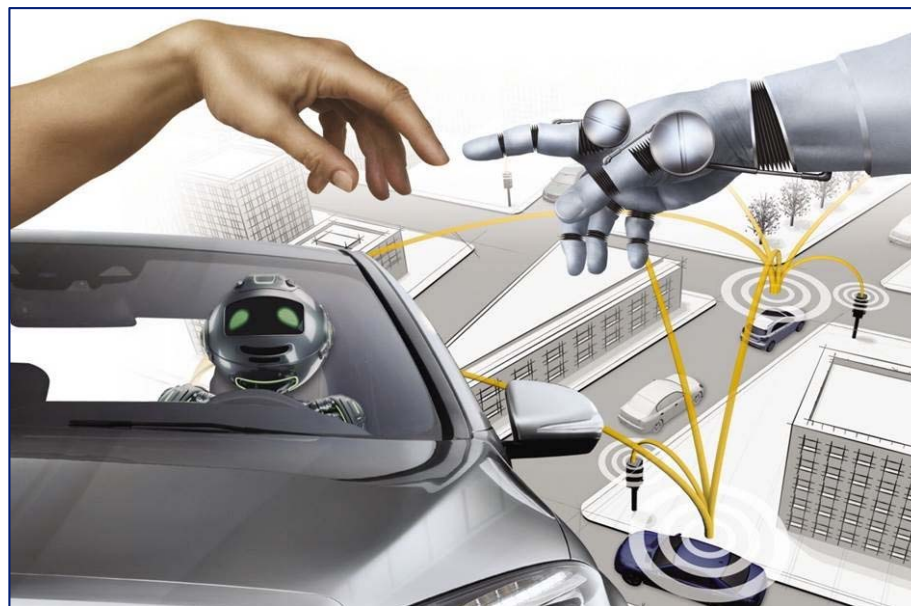
### *Personalised assistance for customers* *Guillaume Laporte- Co-founder*



- A travel bot with artificial intelligence
- Door-to-door assistance for passengers
- Technology that can interface with multiple data sources

## PROJECTS UNDER WAY

### *Maximum connectivity - Driverless vehicles*

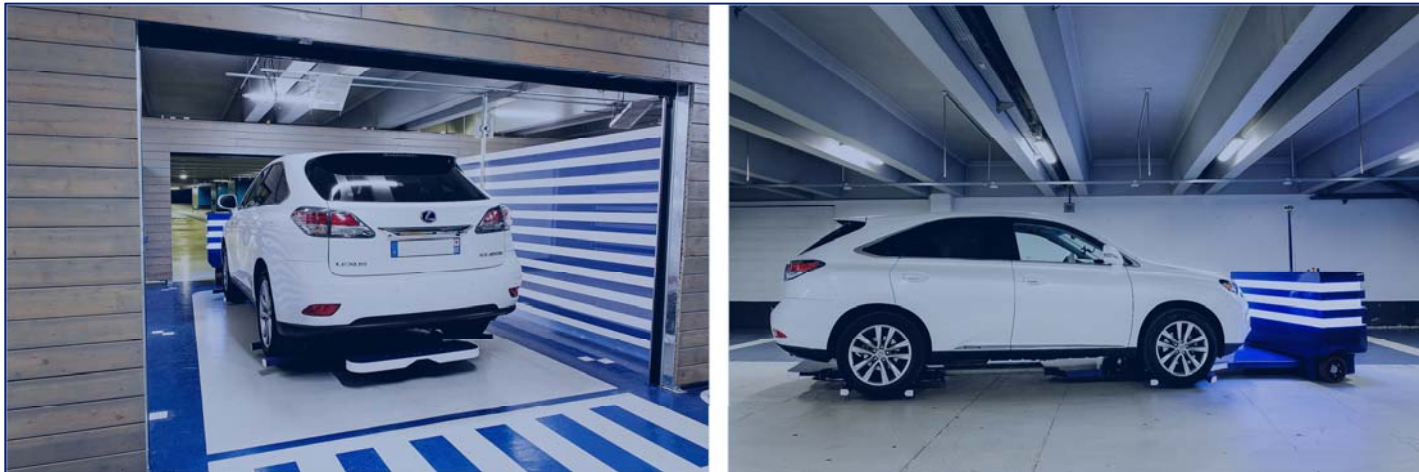


- A pilot project for group employees
- A route that includes an intersection
  - Roll-out scheduled for end-2017

## PROJECTS DEVELOPED WITH START-UPS



*Parking made easy*  
*Clément Boussard - CEO*



- A robot that parks your car
- A time-saver when arriving and leaving the airport
  - Parking capacity optimised by up to 50%



## INVEST

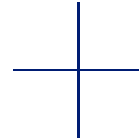
GET INVOLVED, HELP, DEVELOP

# INVESTMENT: A NEW INNOVATION DRIVER

## *A dual approach*

### ADP Invest

- Dedicated to strategic operations
- Budget of €16m over five years



### Outside funds

- Qualified expertise and sourcing
- Geographic diversity
- Co-investment capacity



## **ADP INVEST: AN IN-HOUSE INVESTMENT FUND**

- An investment vehicle dedicated to strategic operations
- A dedicated team

**Target companies:** Start-ups (initial fundraising)

**Area:** Smart infrastructure, robotics, mobility and more

**Development phase:** marketable product

**Prerequisite:** Trialling completed or under way with Groupe ADP

**Investment level:** minority shareholder

**Investment criteria:** Team, technology, market

Co-development and partnership approach with start-ups over the long term

## THREE COMPLEMENTARY OUTSIDE FUNDS

- Funds in different geographic regions
- Start-ups at varying stages of development
- Investment areas that are consistent with our strategic challenges
- Partnerships to further the group's strategy abroad
- Resources that make it possible to draw on global expertise and monitoring
- Opportunities for co-investment with the in-house fund





OPEN/CONNECT/INVEST  
IMAGINE THE AIRPORT OF THE FUTURE

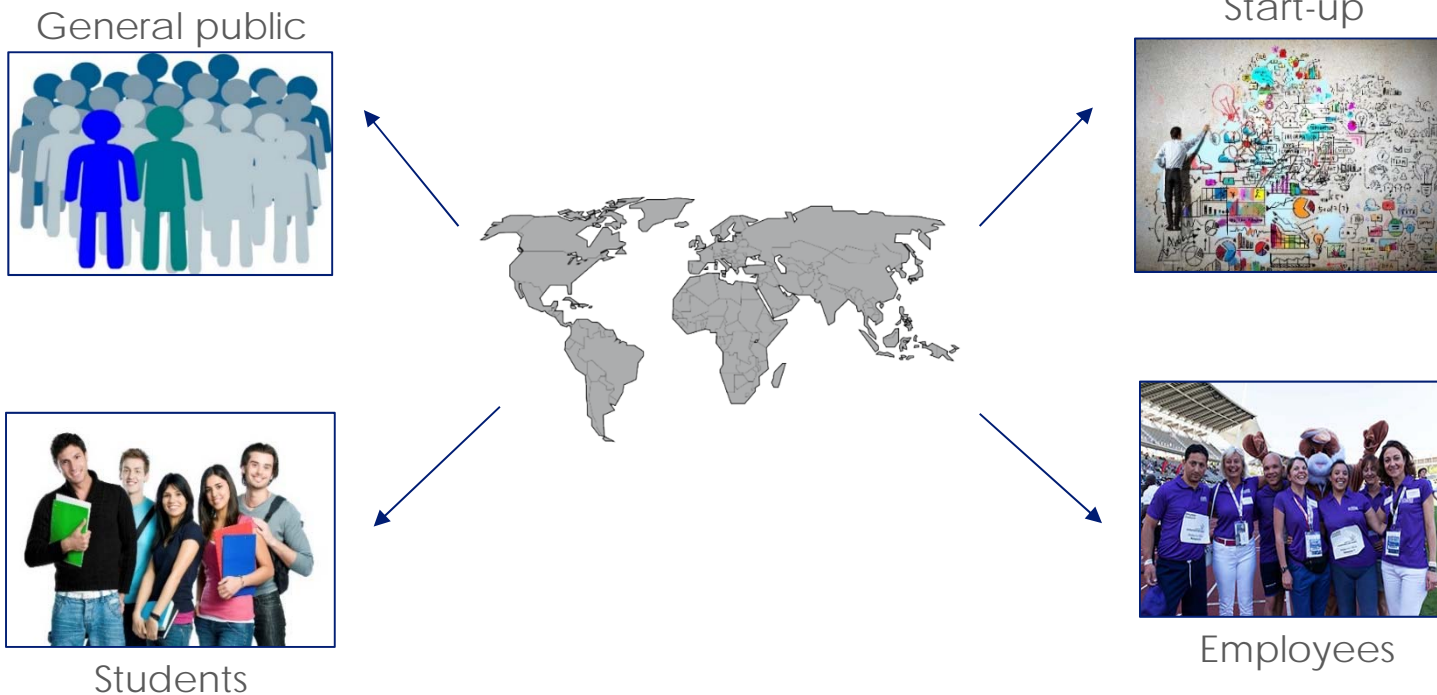
INNOVATIONHUB



*Come and discover by the end of 2017, the futuristic passenger experience as dreamed up by the "Play Your Airport" community*

# PLAY YOUR AIRPORT THE BIGGEST GLOBAL AIRPORT CHALLENGE

- A contest to imagine and develop the airport of the future
- An exercise in collective intelligence
- A driver for intrapreneurship
- From May to November 2017





**INNOVATION HUB**

<http://www.parisaeroport.fr/groupe/innovation>