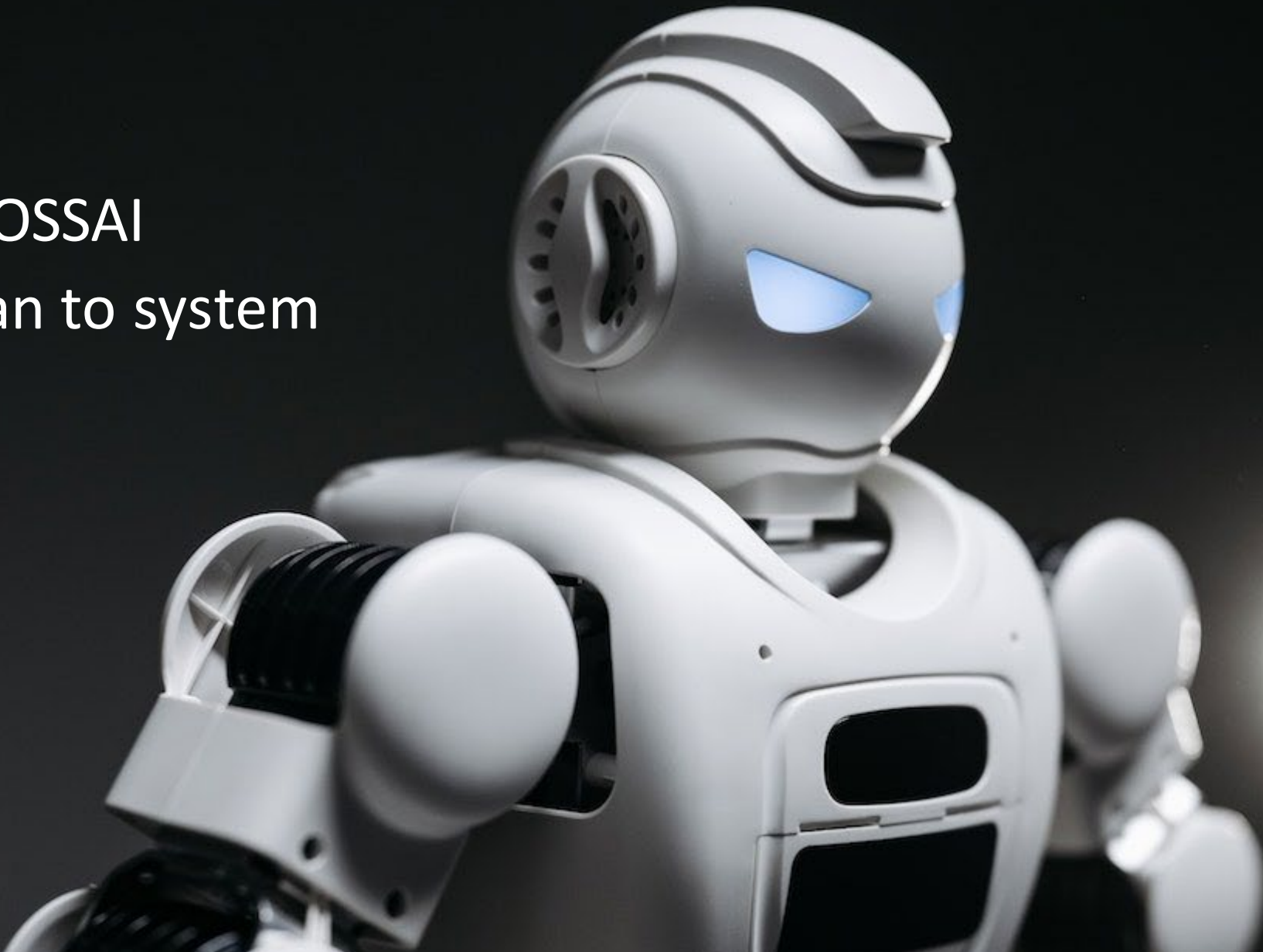


EATIN and OSSAI

From human to system

21/04/2023

Camille ANORAUD
Benjamin CRAMET
EUROCONTROL



EATIN portfolio & Industrialisation

Deployment by...

- Optimised Turnaround (AI)
- **Early diversion warning tool (AI)**
- Prevention of RWY incursions (SAF)
- **Effect of WX on APT capacity (AI)**
- Taxi time prediction (AI)

- MassDiv
- **Forecast of ATFM delay(AI)**
- Knock-on Regulation Impact
- ATFM delay after missed slot (AI)

- Predicted RWY in use (AI)
- Aviation data corridor
- Prediction of ETA (AI)
- Holding and vectoring prediction (AI)
- CO2 mini – RWY allocation

- **Curfew infringement prediction (AI)**
- **Knock-on delay visualization (AI)**
- Real-time delay code info
- Optimisation of APT resources with traffic & PAX prediction (AI)
- Dashboard of additional waiting times

Industry
& Start-up
community

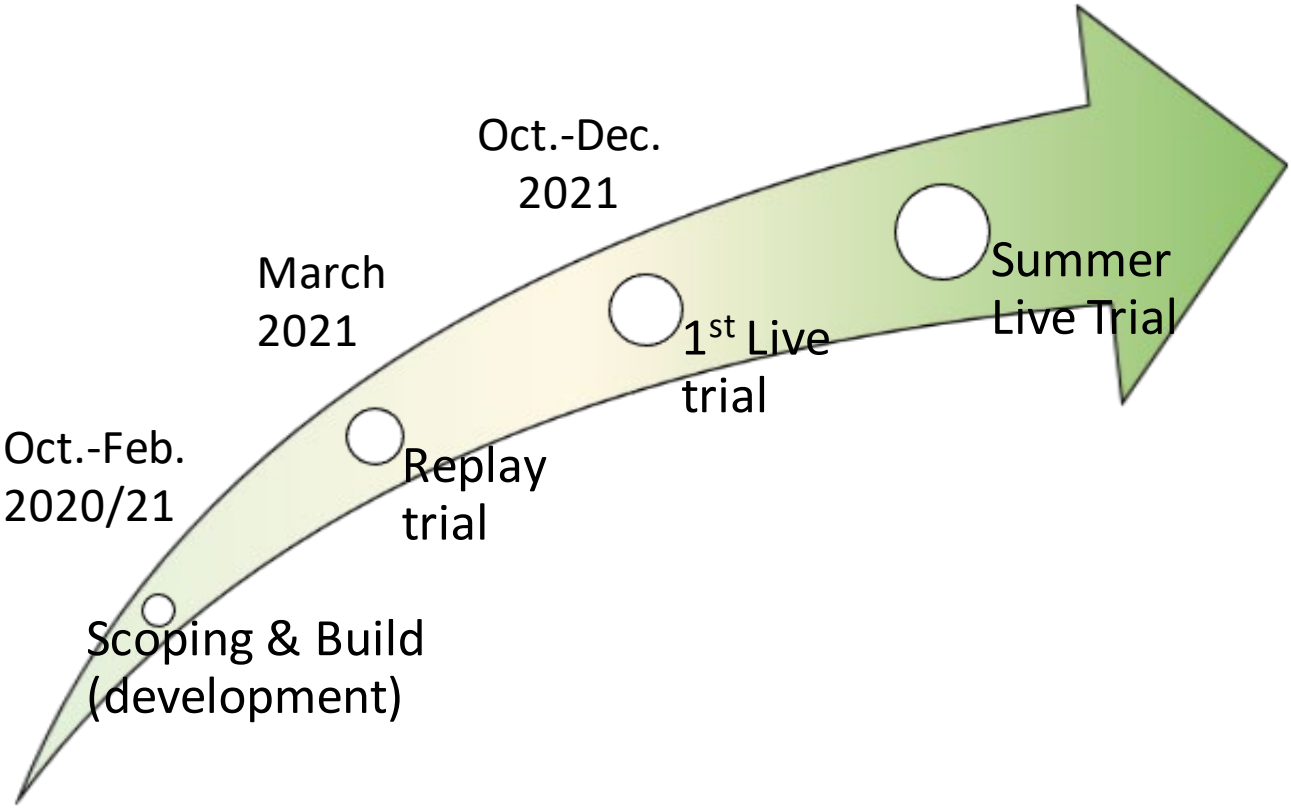
Deployment
by NM

OPS
stakeholders

FADE – Forecast of ATFM Delay Evolution

Our Success story

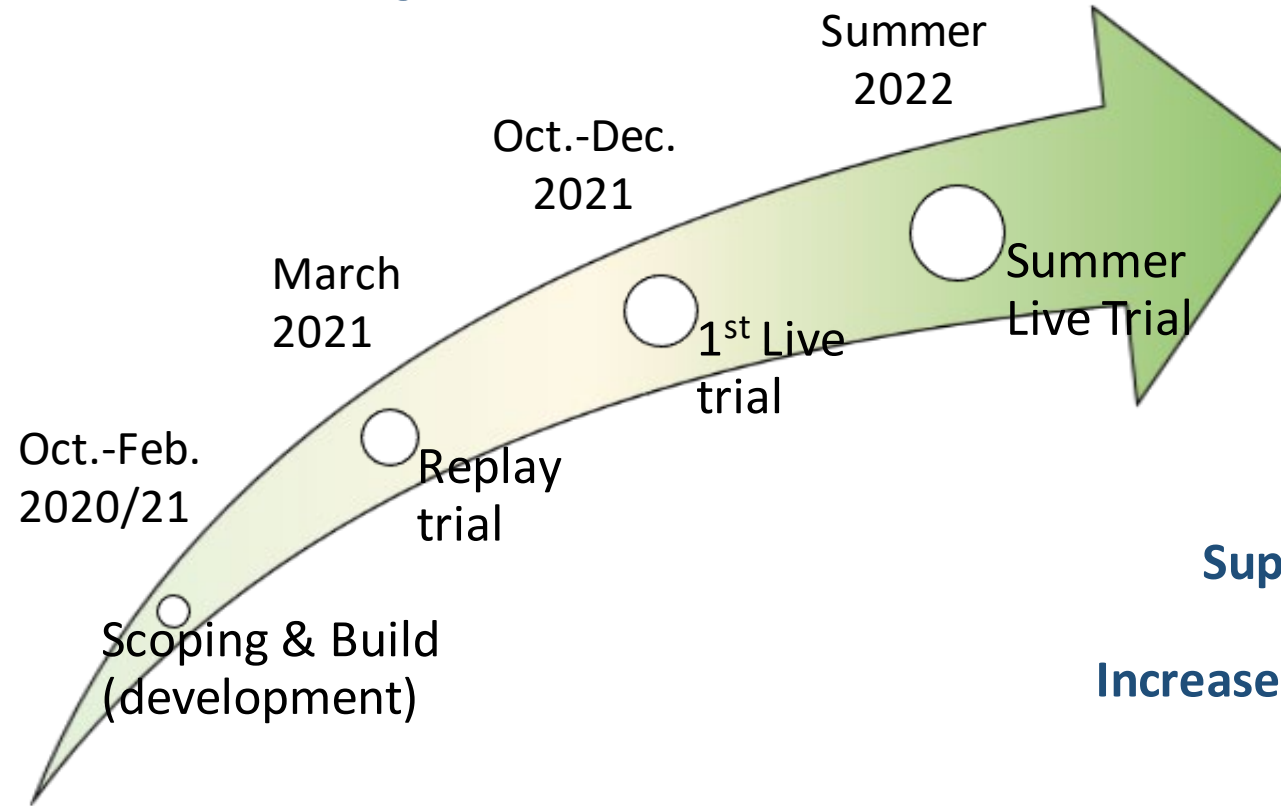
DELAY	TRD vv	P.DLY
22	84%	9
16	68%	8
11	56%	6
11	60%	5
11	38%	7
5	13%	3
5	13%	3



FADE – Forecast of ATFM Delay Evolution

Our Success story

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Support to decision-making

Increased situational awareness

80% accuracy



High trust

vueling

AIRFRANCE

transavia

SWISS

KLM

TURKISH AIRLINES

AirEuropa

WIZZ

Lufthansa

SAS

CONSORTIUM
COORDINATOR
sesar
DEPLOYMENT MANAGER

FOUNDING MEMBER
sesar
JOINT UNDERTAKING

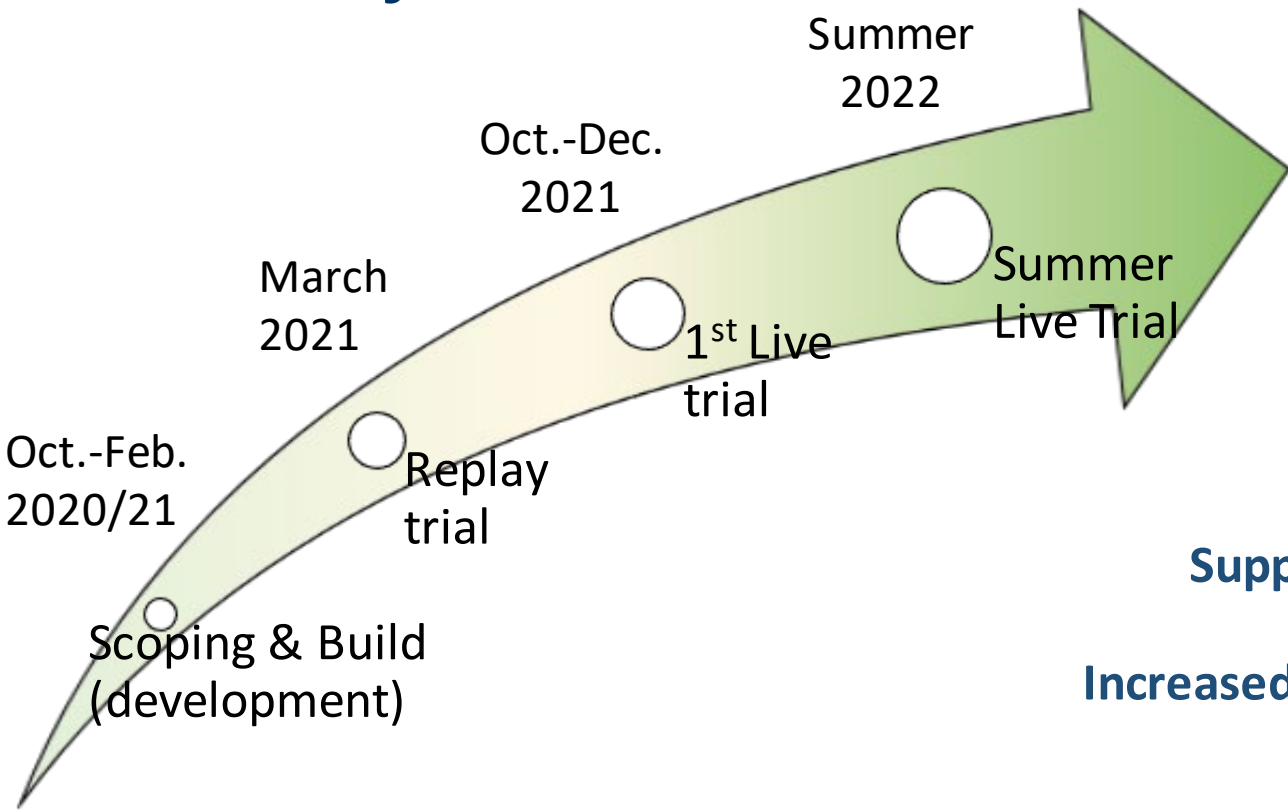
NETWORK
MANAGER



FADE – Forecast of ATFM Delay Evolution

Our Success story

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Deployment
April 2023
NMP Flight app

Support to decision-making

Increased situational awareness

80% accuracy

★★★★☆ High trust







Our Success story

Summer 2022

Summer Live Trial

Sup Increase

Oct.-Dec. 2021

March 2021

Oct.-Feb. 2020/21

Scoping & Build (development)

Replata trial

FADE DELAY		↑1	⚙️
Delay	Trend		
0	👁️		
0	👁️		
0	📈 1		
0	📈 1		
0	👁️ 1		
0	👁️ 1		
0	➔ 0		

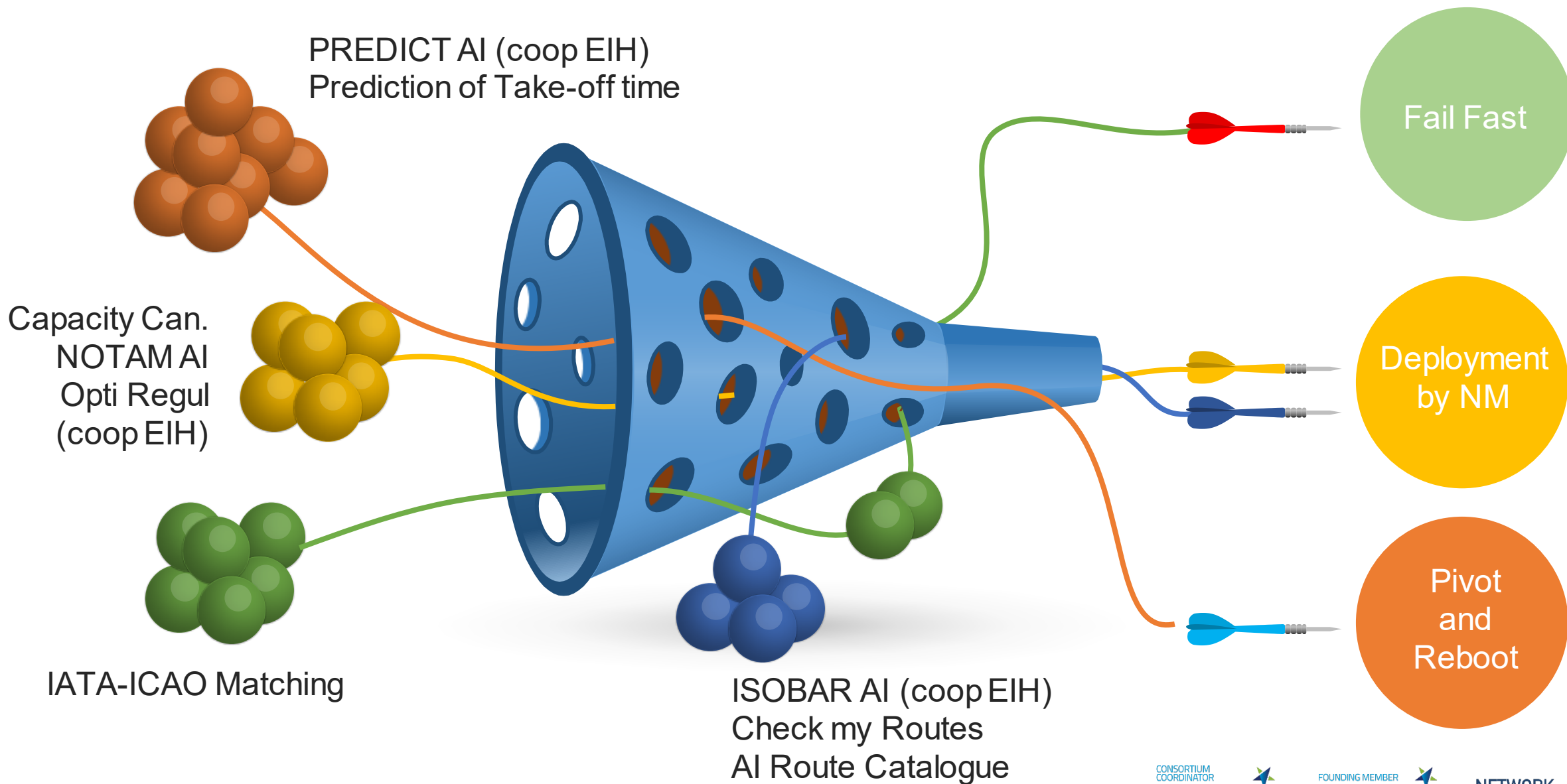
Summer Live Trial

Increased situational awareness

High trust

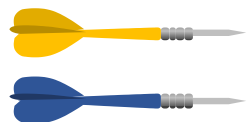
OssAI portfolio & Industrialisation

Deployment by...



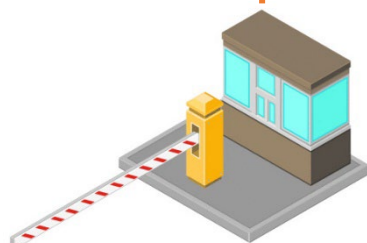
Industrialisation

Deployment by...



Deployment
by NM

iNM
Service
Roadmap

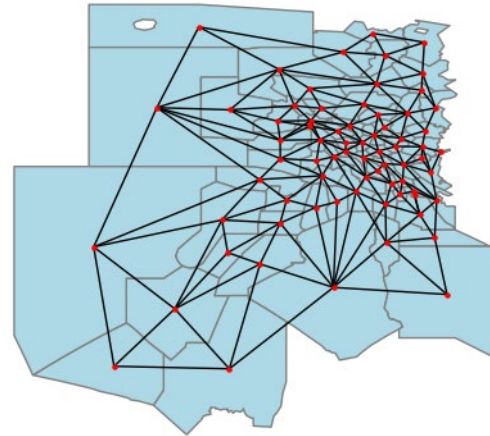
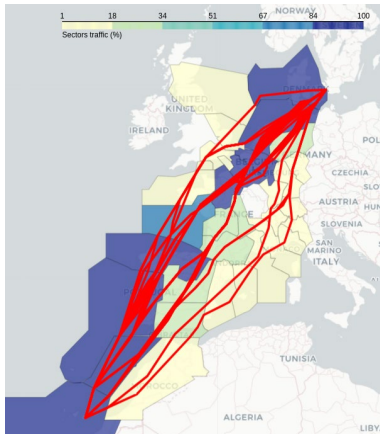
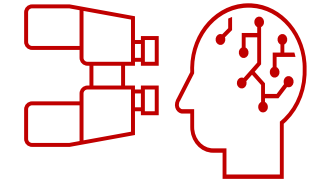
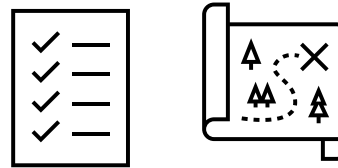
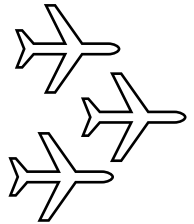


ML OPS
as part of
iNM

Capacity Canaries

NMOC End to End AI Projects

Capacity Canaries aims at predicting at D-1 (Predict Dataset) the count and flight list per "cluster" for flights on the South/West Axis.



AI Used to learn the transition costs
Mimic the Airlines Business rationales

Thank you for your attention

