

TAM – Review and Outlook

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&
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IDEAS SHAPE THE COURSE OF *HISTORY*.

-- JOHN MAYNARD KEYNES



2002: 1st TAM Ideas



Futuristic APOC



Potential Solutions

- New Airports in Europe ? **Very Difficult !**
- Airport Expansions ? **Slow !**
- **Maximum Use of existing Infrastructure is a Must !!!**

DLR TAM Approach

- „Total Airport Management“ = „Concept extending CDM“
- Holistic View of an Airport
- ...
- Consider an Airport as „System-of-Systems“
- Introduction of a „Total Airport Operations Control Center“



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2002: 1st TAM Ideas



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2006: TAM-Concept V1.0

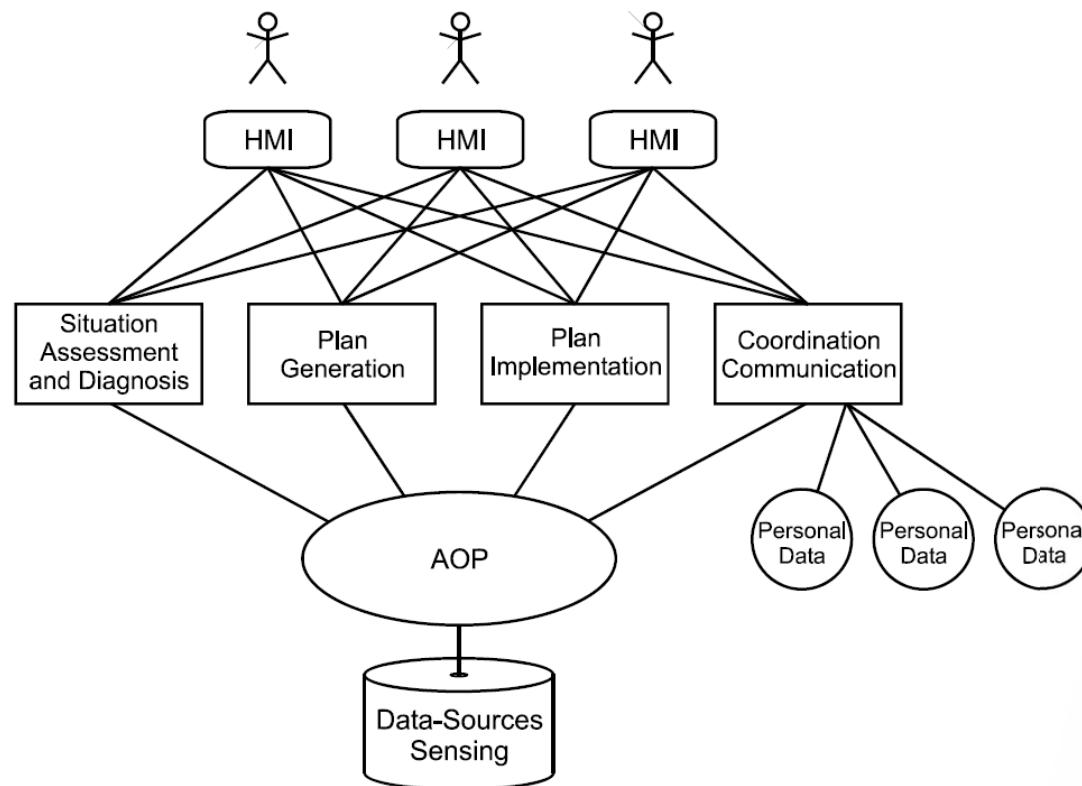


Figure 4-8: Functional architecture of TAM



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2006: TAM-Concept V1.0

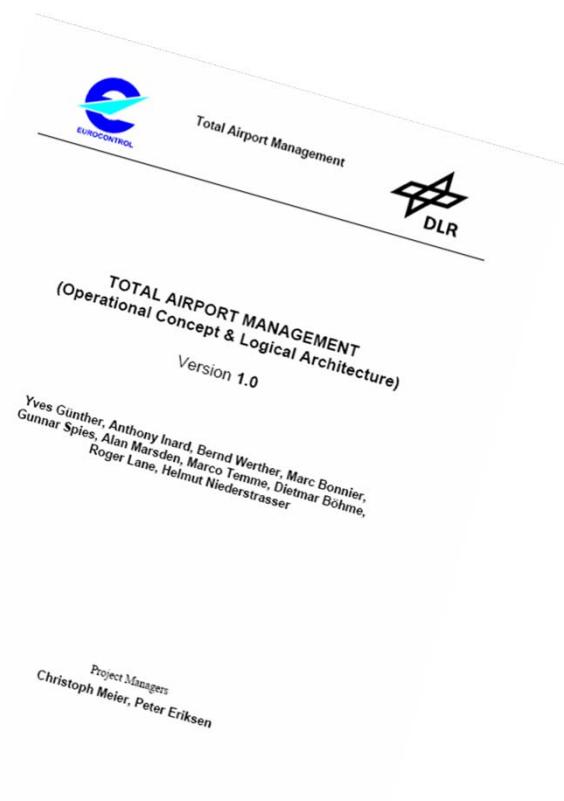
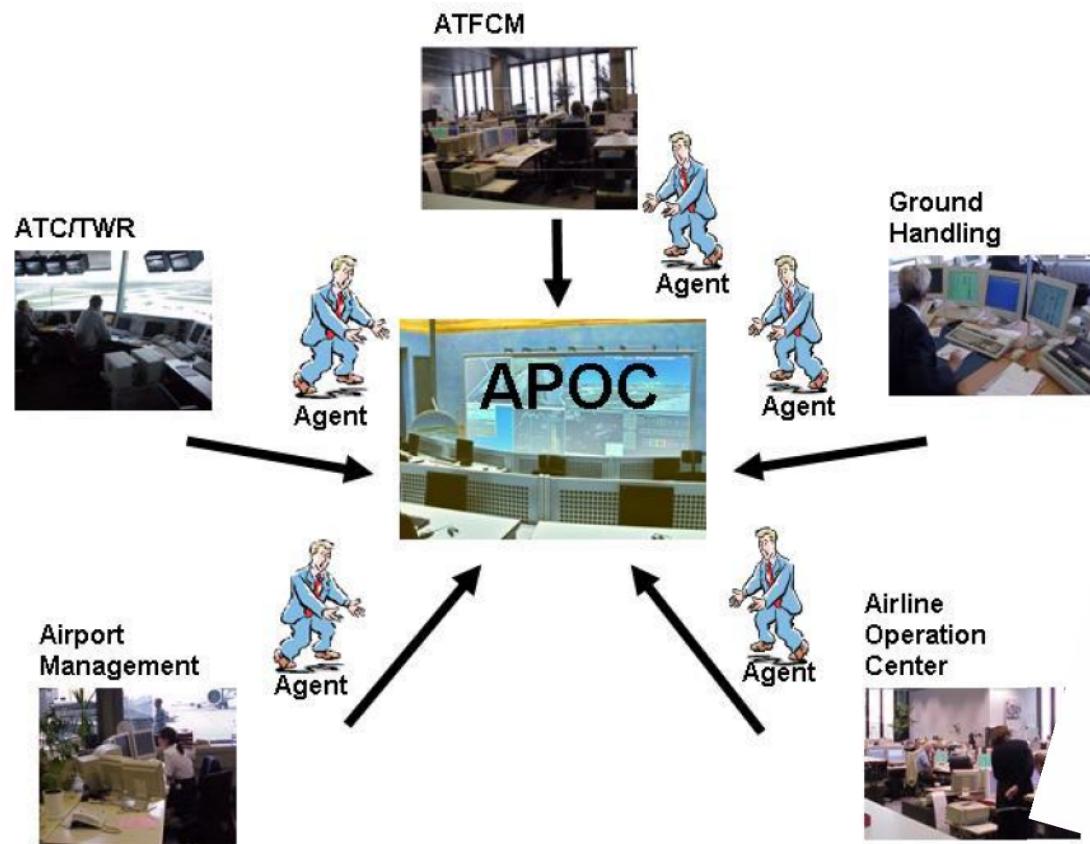


Figure 3-7: agents working in the Airport Operations Centre

1st concept by DLR & ECTL



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2006ff: Progressing...



A-CDM deployment accelerates



Continuity with TAM R&D within DLR,
Eurocontrol and SESAR



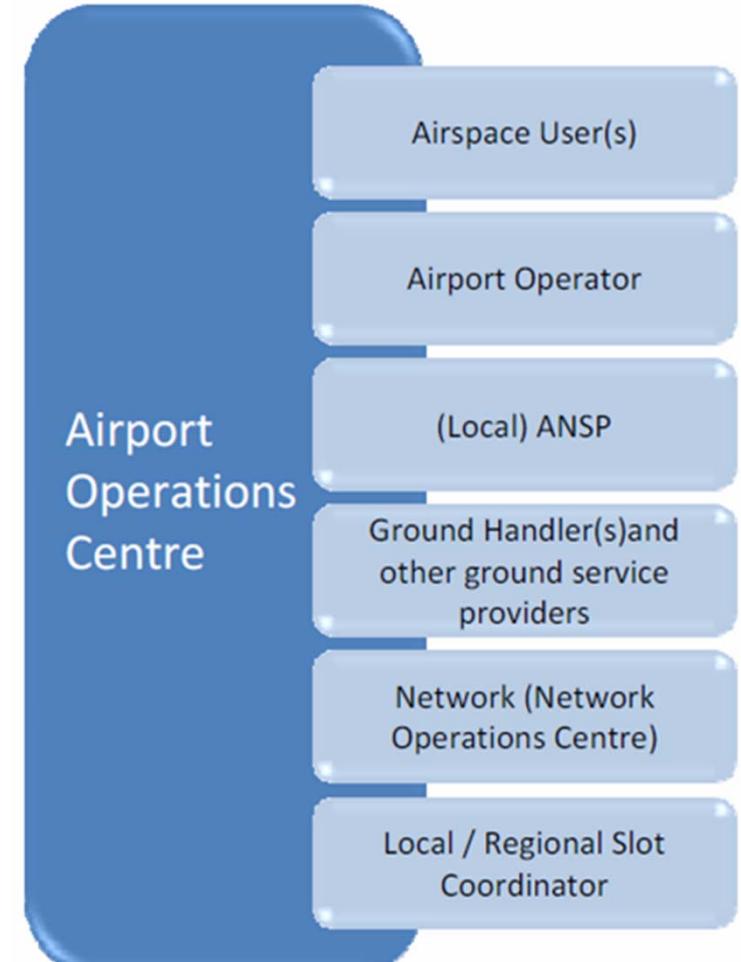
Shaping TAM through SESAR – detailed
description and requirements ready



Validation with industry prototypes is
underway



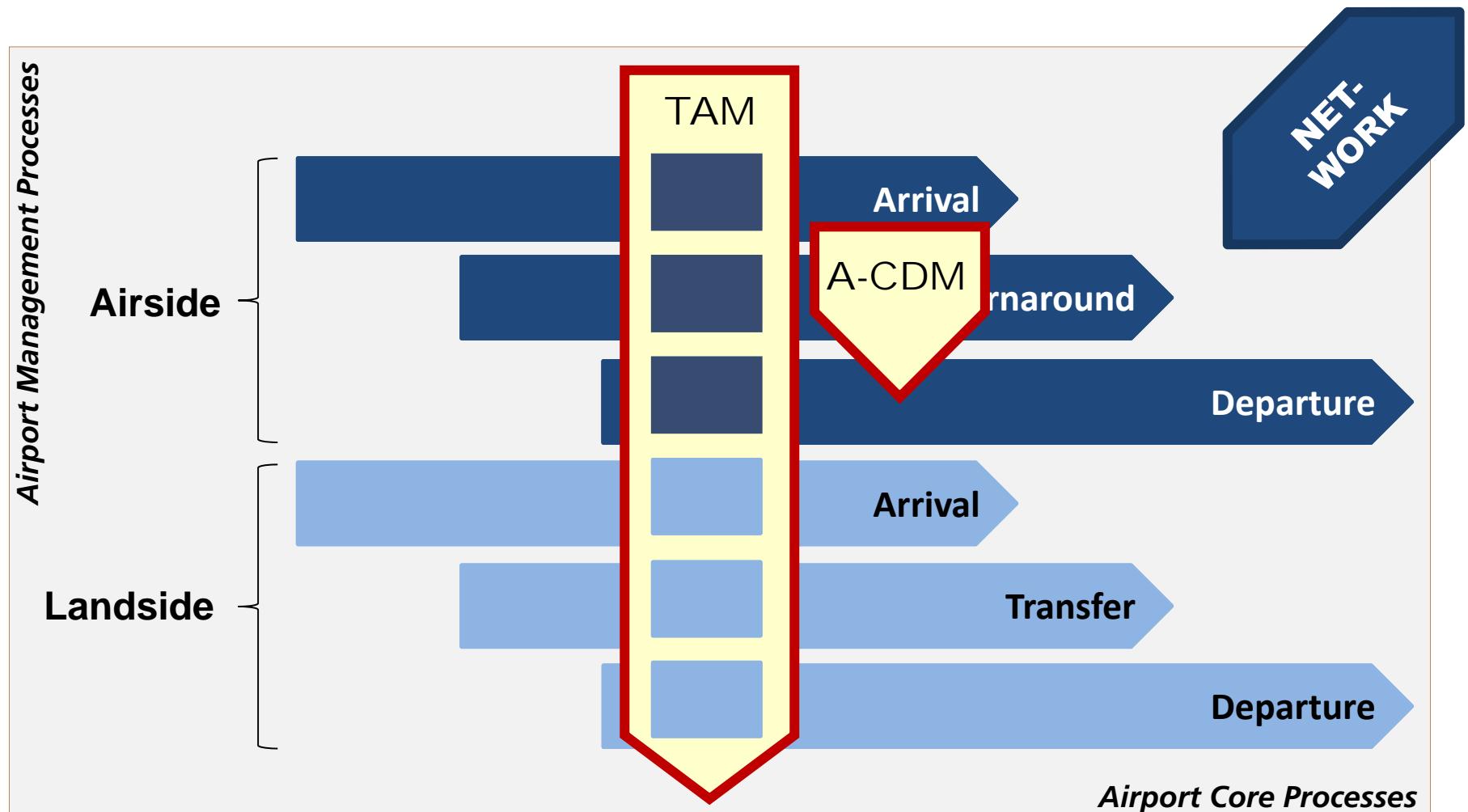
Airports are deploying: ZHR, DUS, MAD,
BER, LHR, CDG, AMS to name a few



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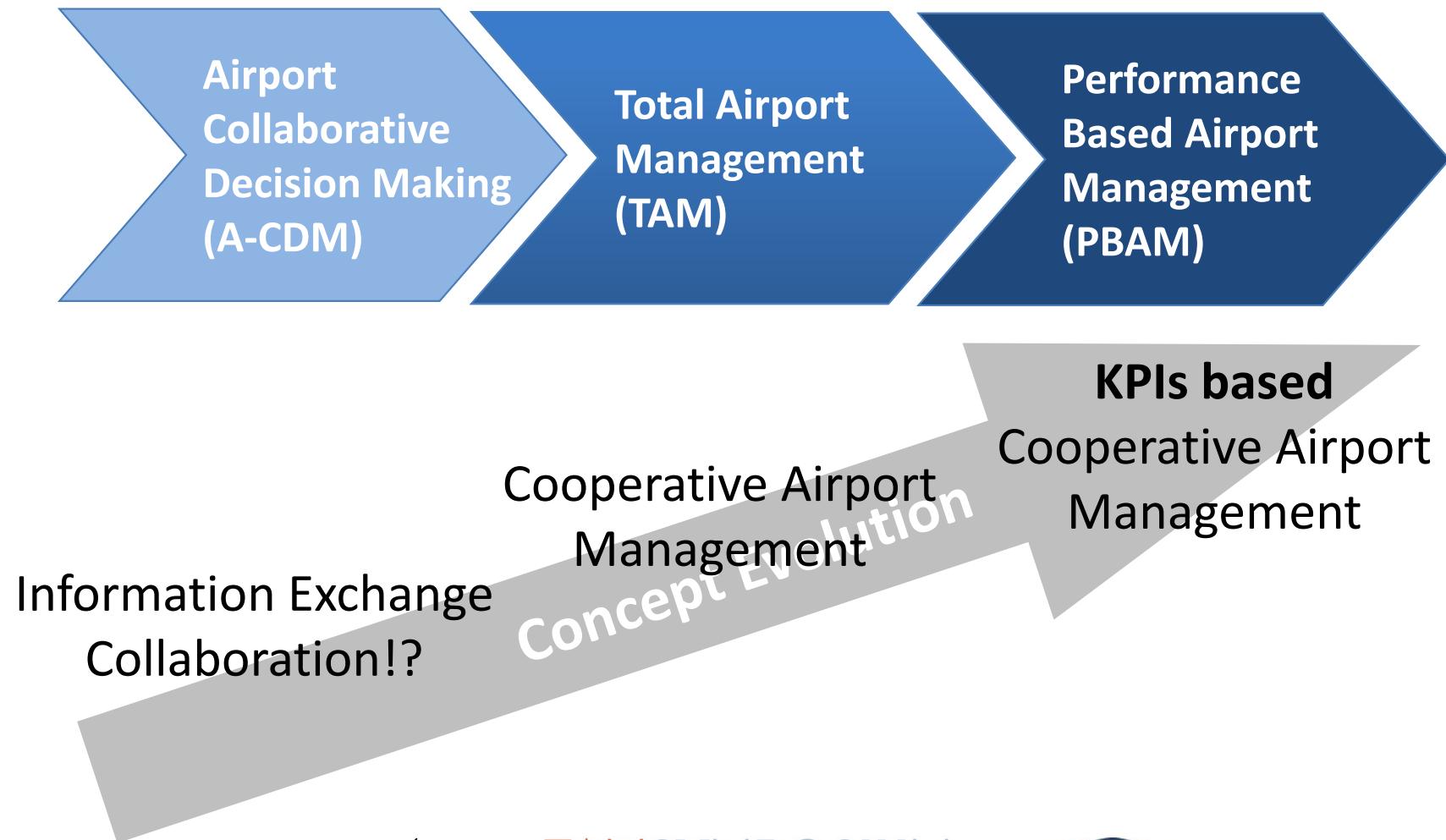
TAM – Expanding the Scope of A-CDM



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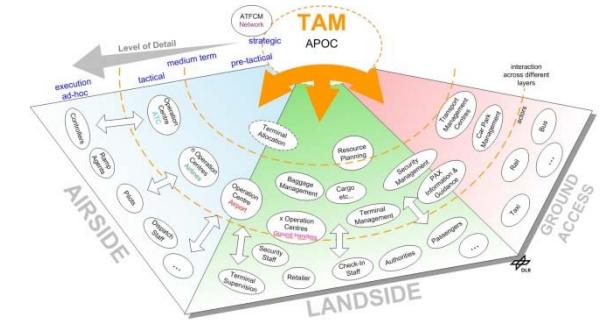
Concept Evolution



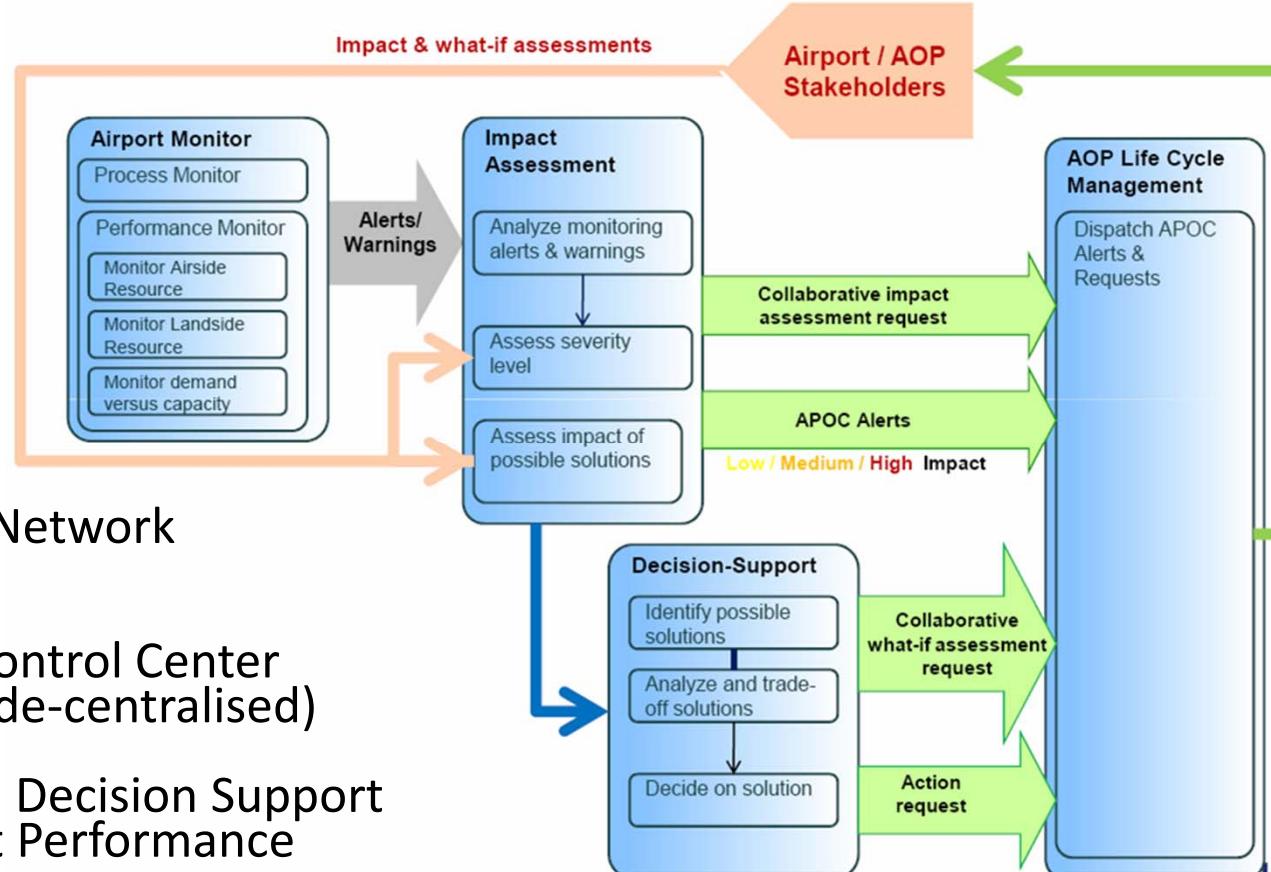
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TAM Concept Elements



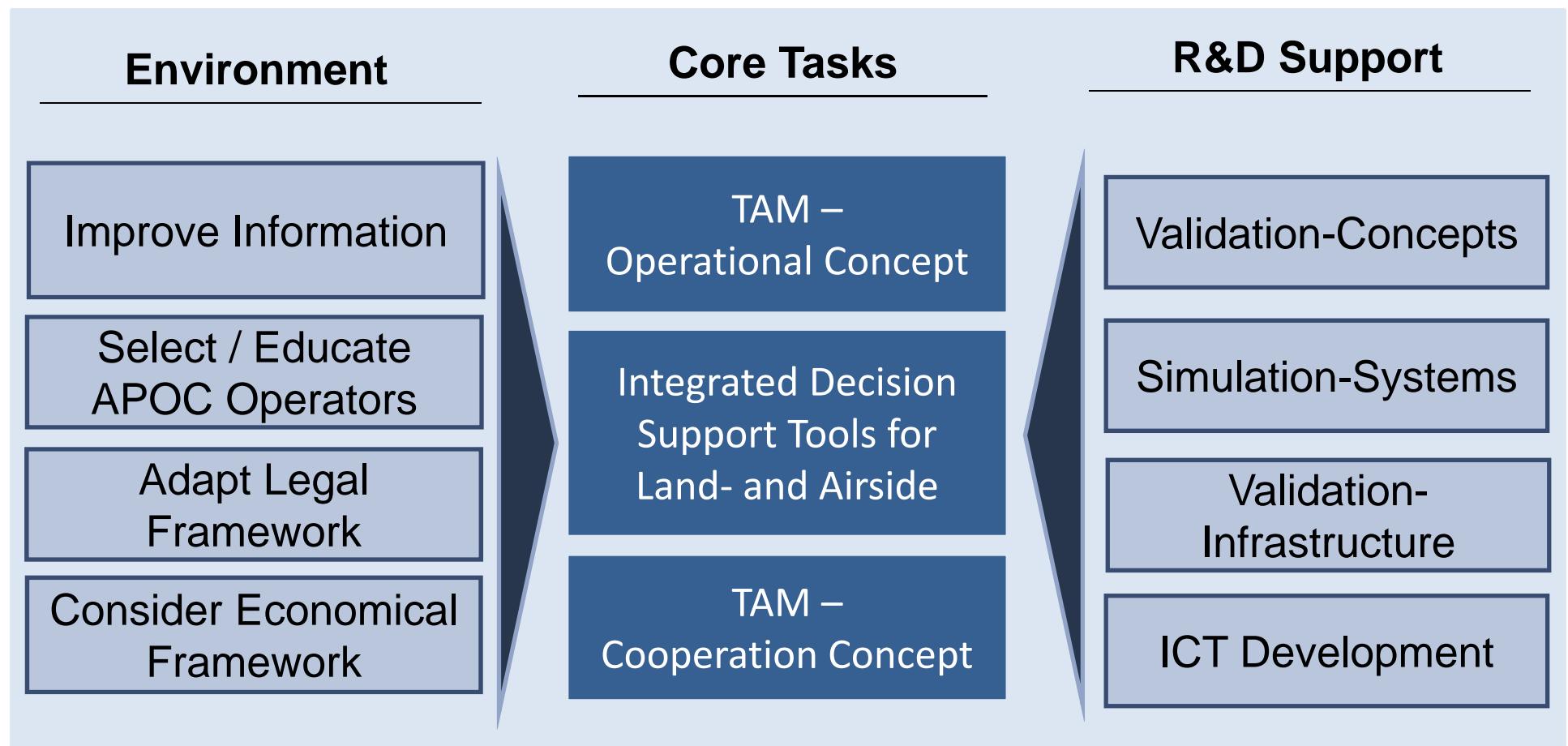
- Airside and Landside Integration
- Airport Processes i.e. landside queues turn round, snow ..
- Airport Operations Plan (AOP)
- Integration with the Network (AOP <-> NOP)
- Airport Operations Control Center (AOPC: centralised / de-centralised)
- Driving Performance: Decision Support Systems in an Airport Performance dashboard.



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TAM – a Multidisciplinary Task



**“MAY THE DREAMS OF YOUR PAST
BE THE REALITY OF YOUR FUTURE”**

-- AFRICAN PROVERB QUOTE



For discussion ...

Harmonisation

- TAM is being deployed in different forms; a threat?

Benefit

- Building stakeholder trust in the advantages of TAM, provide evidence!

« Coopetition »

- Aligning shared business goals, conforming, sharing information ...

Common KPI

- What are the best KPI for Airport performance management .. can they be common across airports?

Airport Dashboard

- Who is the final decision maker in this collaborative environment?

Network and Airport Performance ..

- Conflicting or complementary

The European Performance Scheme

- Target in RP3?



Concluding ...

Con- clusion

Total Airport Management

- will be the successor of A-CDM
- needs a holistic approach towards airport operations optimisation – landside / airside!
- drives performance
- will change stakeholders cultures...

Coop- erate

Your cooperation is needed

- participate in the development and validation
- position yourself and take advantage
- support implementation
- shape the future



***“IT IS THROUGH COOPERATION, RATHER
THAN CONFLICT, THAT YOUR GREATEST
SUCCESSES WILL BE DERIVED”***

-- RALPH CHARELL

