



Information Management – where next?

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- *“European ATM should be considered as a virtual single enterprise in which the constituent parts work together in a networked (net-centric) service-based operation” – SESAR Master Plan*
- Information constitutes the glue that binds the parts together
- Information services will evolve from:
 - Providing information/data
 - Towards providing services in support of ATM





Information Management and SESAR

*“The trend towards an **information-rich** collaborative decision-making environment will **change the focus** from interface standardisation and data exchange to the need for overall co-ordination and management of logistics of **information sharing in a distributed environment**. The interpretation, **integrity, quality and security of data** will be paramount.”* SESAR Master plan introducing the concept of System-wide Information Management - SWIM



But what is SWIM ?

• **From the ATM Master Plan Swim is:**

- An enabler for end-user applications in ATM
- A means to make information more commonly available,
- An environment to create the conditions for end-user applications based on extensive information sharing
- The capability of finding the most appropriate source of information

• **From the ATM Master Plan Swim is not:**

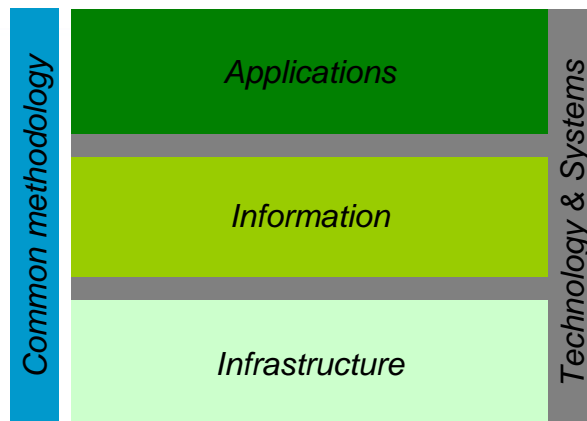
- In itself an end-user application
- A constraint on end-user applications





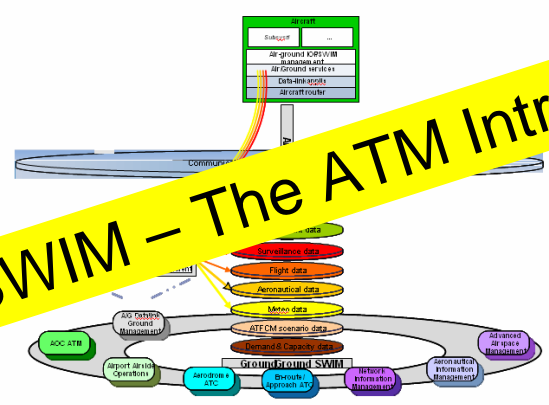
“The whole basis of the SESAR Concept of Operations & business case is jeopardized if SWIM is neither implemented in its correct form nor sufficiently early”

SESAR Master plan



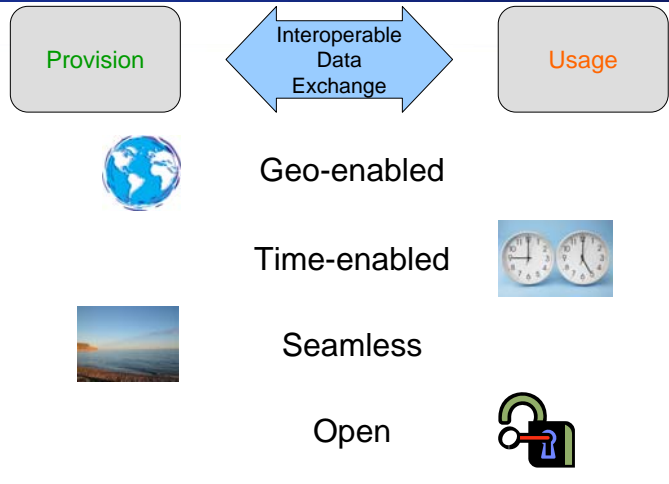
Technical architecture SESAR & SWIM

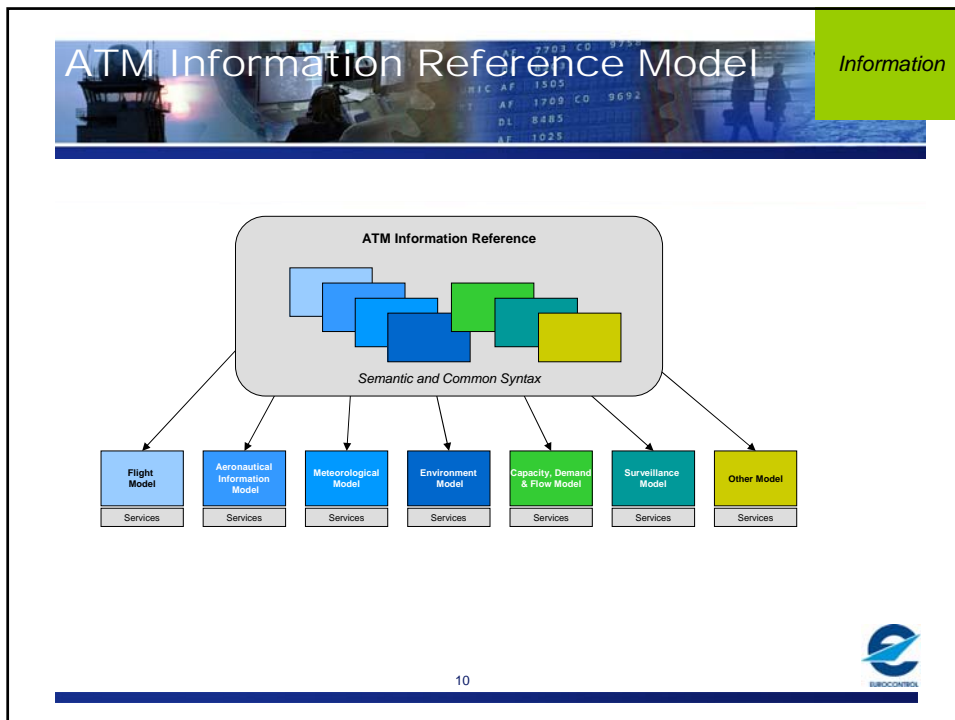
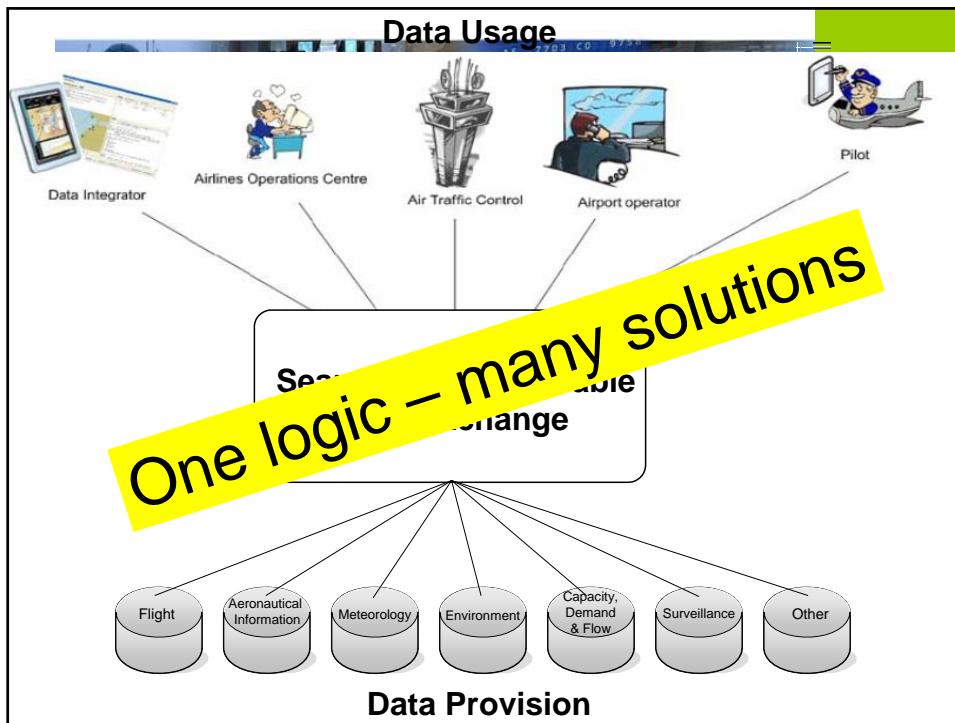
SWIM – The ATM Intranet



The vision

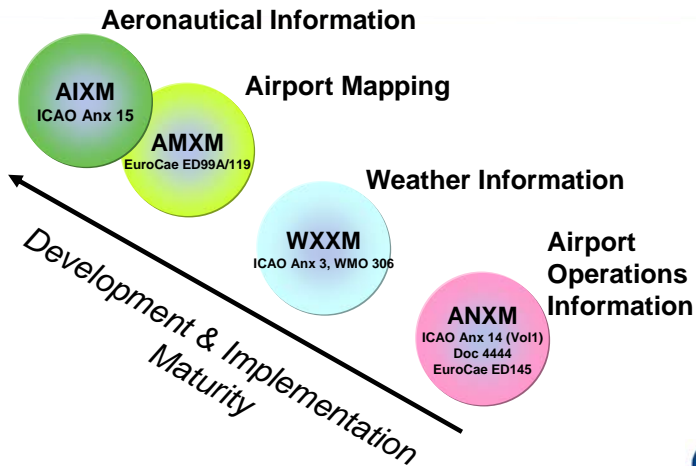
Information





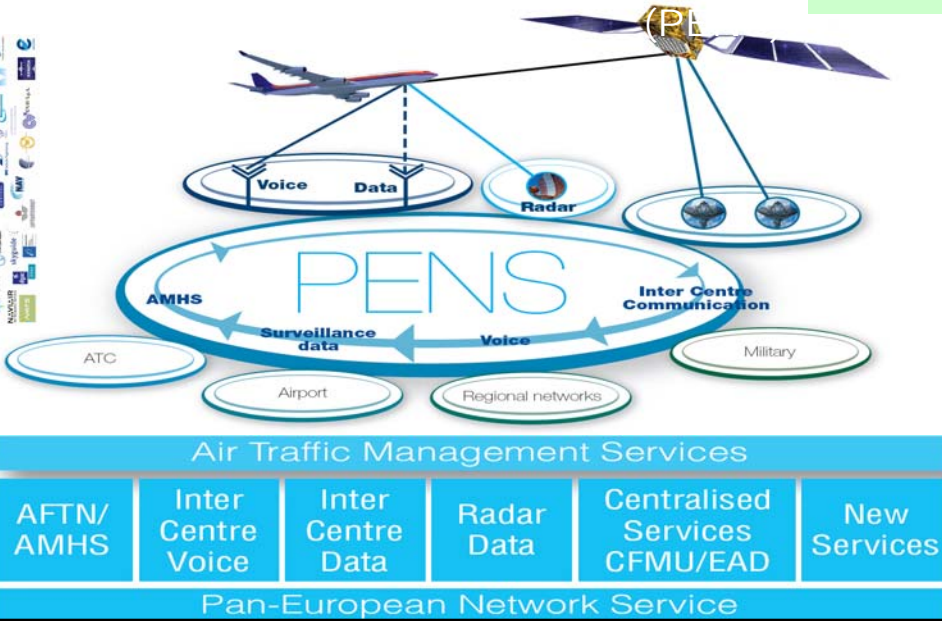
Exchange models today

Information



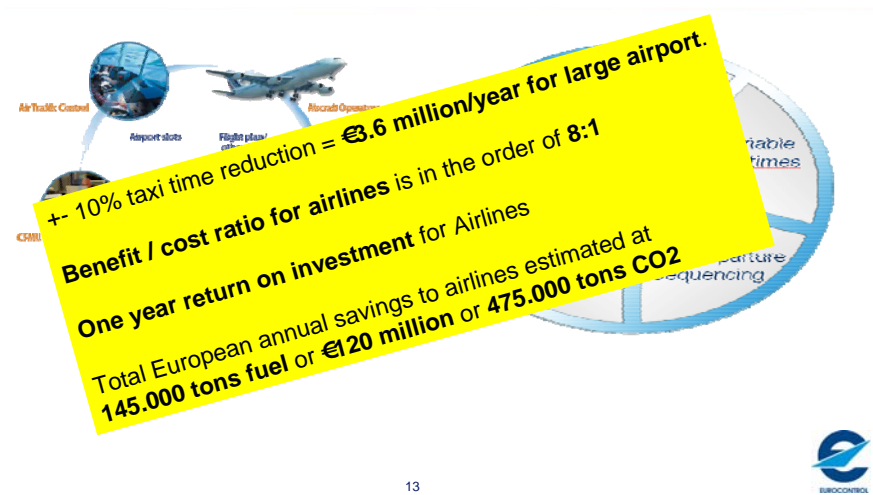
Infrastructure

Infrastructure



Examples of SWIM Applications
 - Airport Collaborative Decision Making

Applications



Conclusion



- SWIM is essential
- It is happening in Europe
- Coordination with FAA exemplary in AIM & MET and needs to be expanded into other Information areas
- Global cooperation vital
- To build on strengths for global common good



- “Now this is not the end. It is not even the beginning of the end. But it is, perhaps, the end of the beginning”.

Winston Churchill