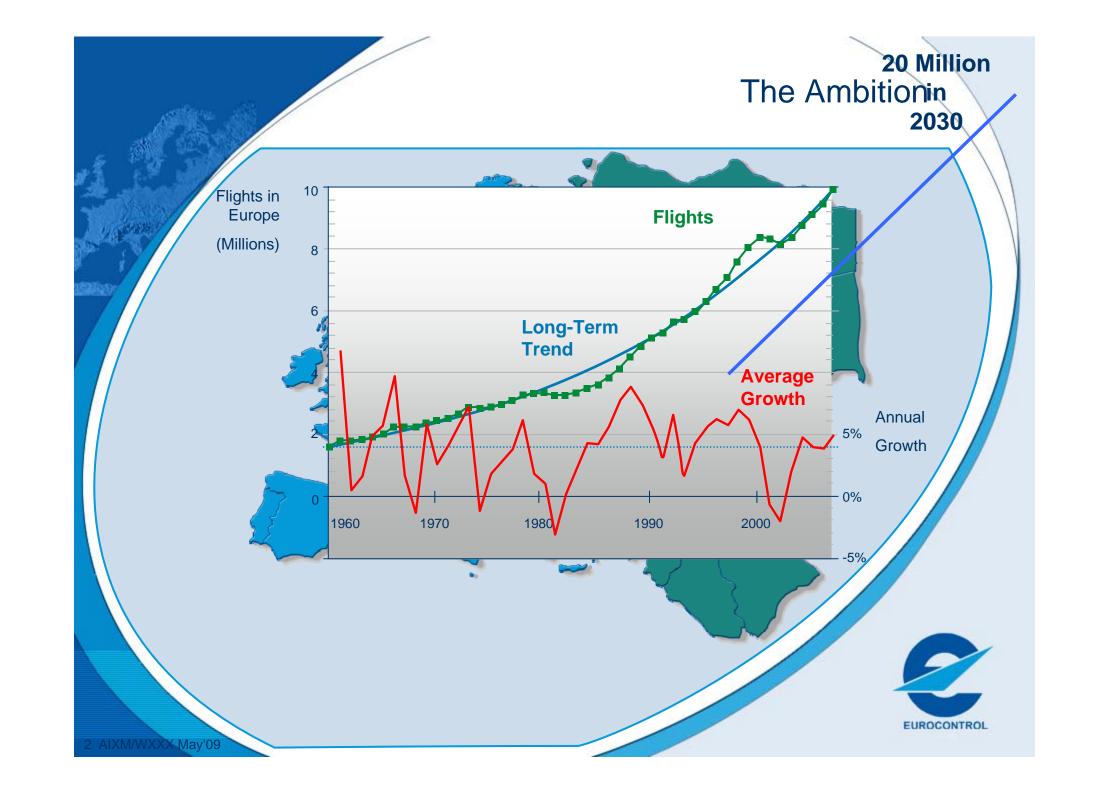
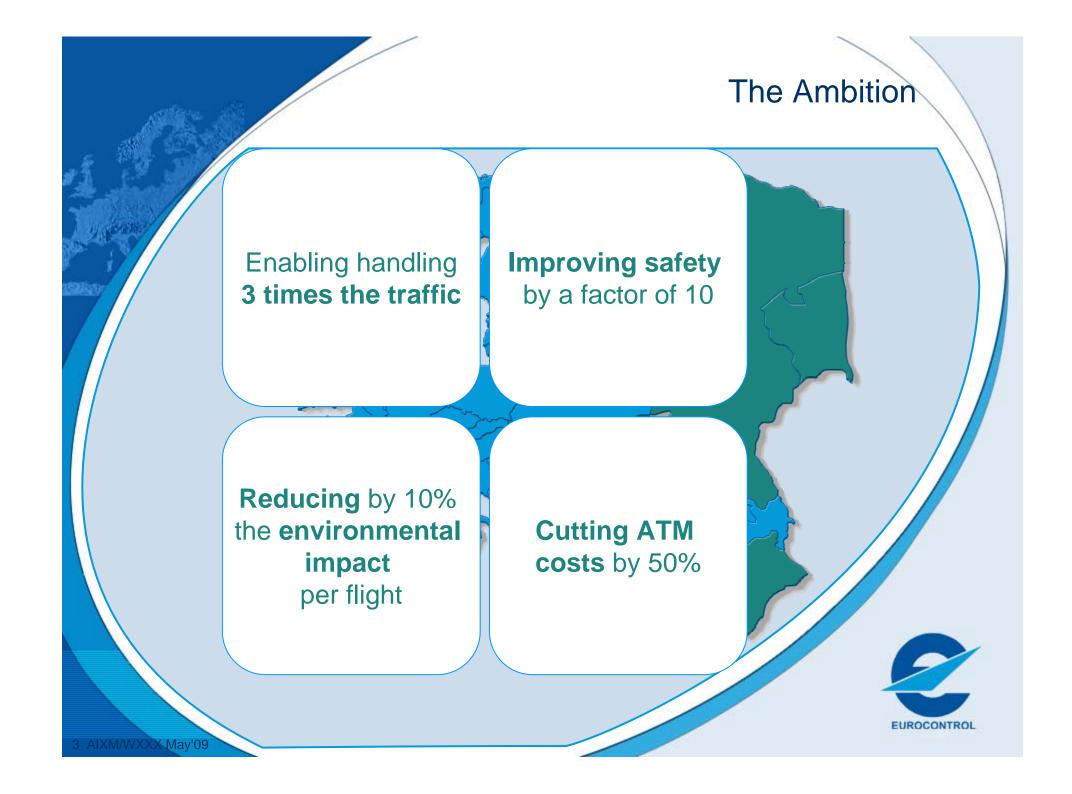
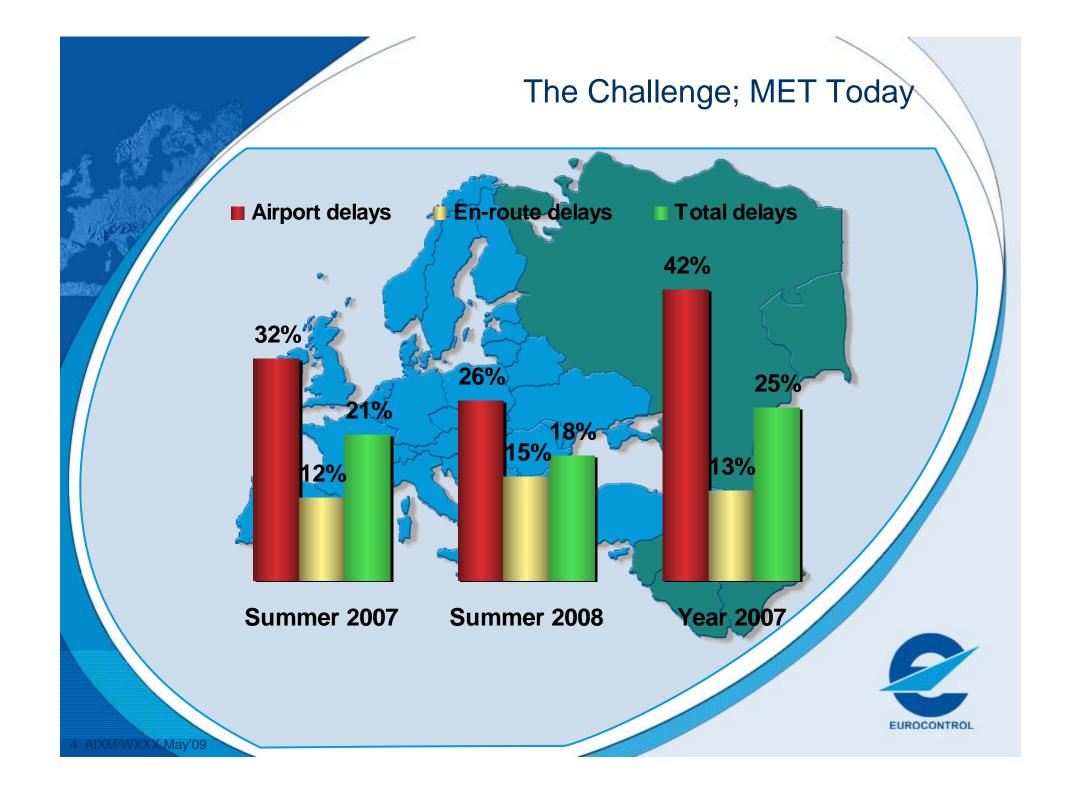
MET matters in a Single European Sky

Ken Reid Head International Technical Relations











Fragmentation Example The 100 main airports are: - connected by approx. 600 airspace segments - controlled by 66 ATCC's with many systems Sectors and routes are - operated by 38 ATSP's with designed according to different cultures national borders rather than traffic flows ACCs below optimal economic size, duplication of systems & piecemeal procurement, high contingency costs, support costs on research, training & admin too high EUROCONTROL

The Approach; SES

- Establishing a single aviation market
- Adopting common rules in most relevant areas of the air transport system/
- Enhancing competition and efficiency throughout the whole value chain of aviation
- Developing an external dimension of the EU single aviation market

Started in 2004 by laying down the foundations for:

- Legal and institutional framework
- ransparency of
- Harmonisation in
- Advancing the ef
- Moving towards i

Separation of sel SES 2 (adopted March 2009) focus:

- PERFORMANCE
- SAFETY
- CAPACITY
- TECHNOLOGY = SESAR

The Approach; SESAR

Definition phase

Resulted in the **European ATM Master Plan**

Development phase

Managed by the SESAR Joint Undertaking

Based on the Master Plan, results in Standards, new operational procedures, new technologies and pre-industrial components.

2008-201

Deployment phase

Implements the results of the development phase, delivers the service performance increase foreseen in the ATM

Master

2015-2025

Plan

2006-2008





The SESAR Concept





Procedural Control

Estimate the current and planned a/c positions

TODAY



Radar Control

Know the current and estimate planned a/c positions

TOMORROW









Trajectory Management

The Business trajectory principle:

Define together optimal flight path



Foreseen ATM Concept of Operations



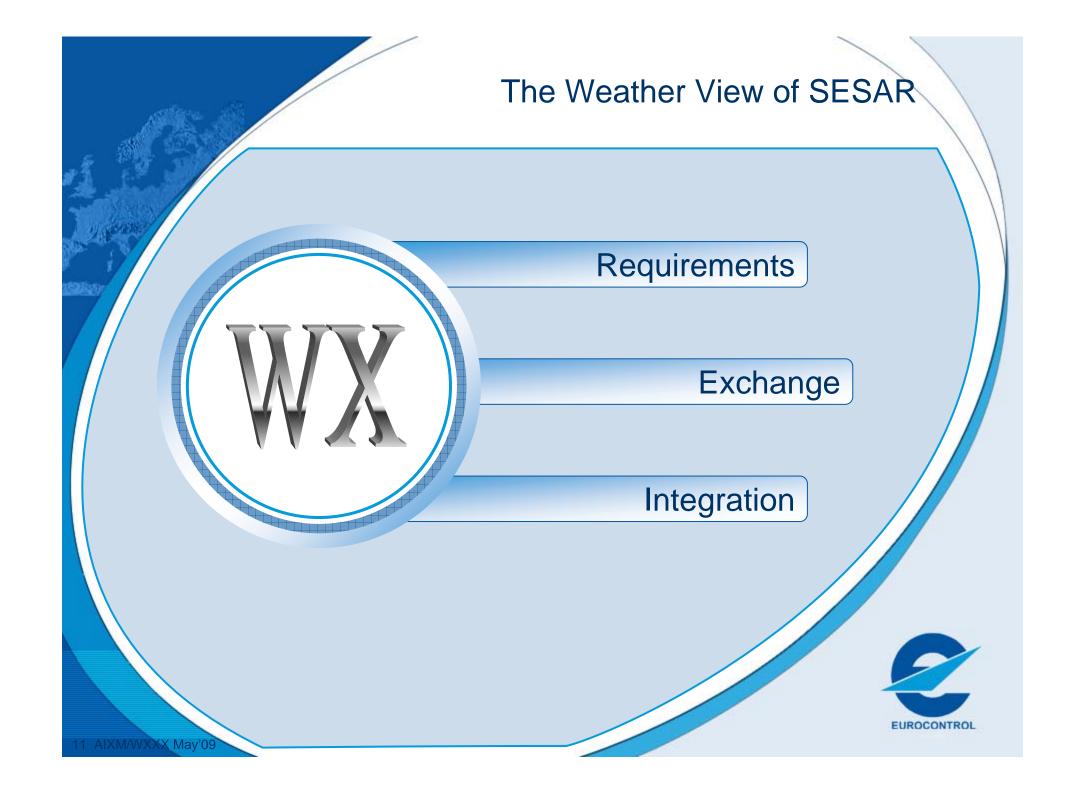
Civ/Mil ATM Performance Partnership
Integration of Air- and Ground-systems
Integration of Airport "turn-around" operations

Time and performance based operations / 4 D B/M Trajectories

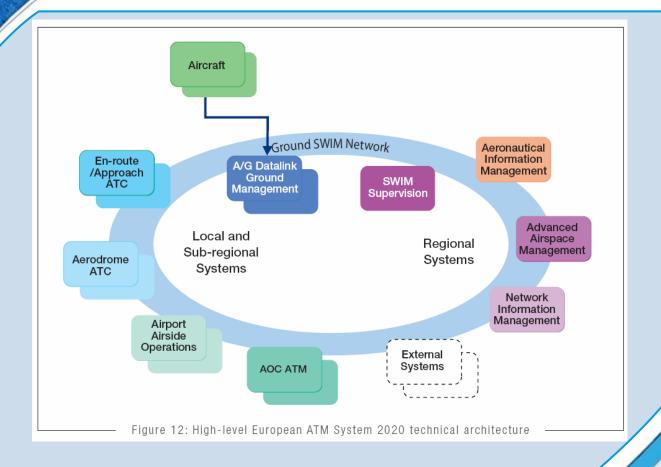
The ATM intranet - SWIM

Rolling Network Operations Plan
Automation support to the Human
Efficient separation modes

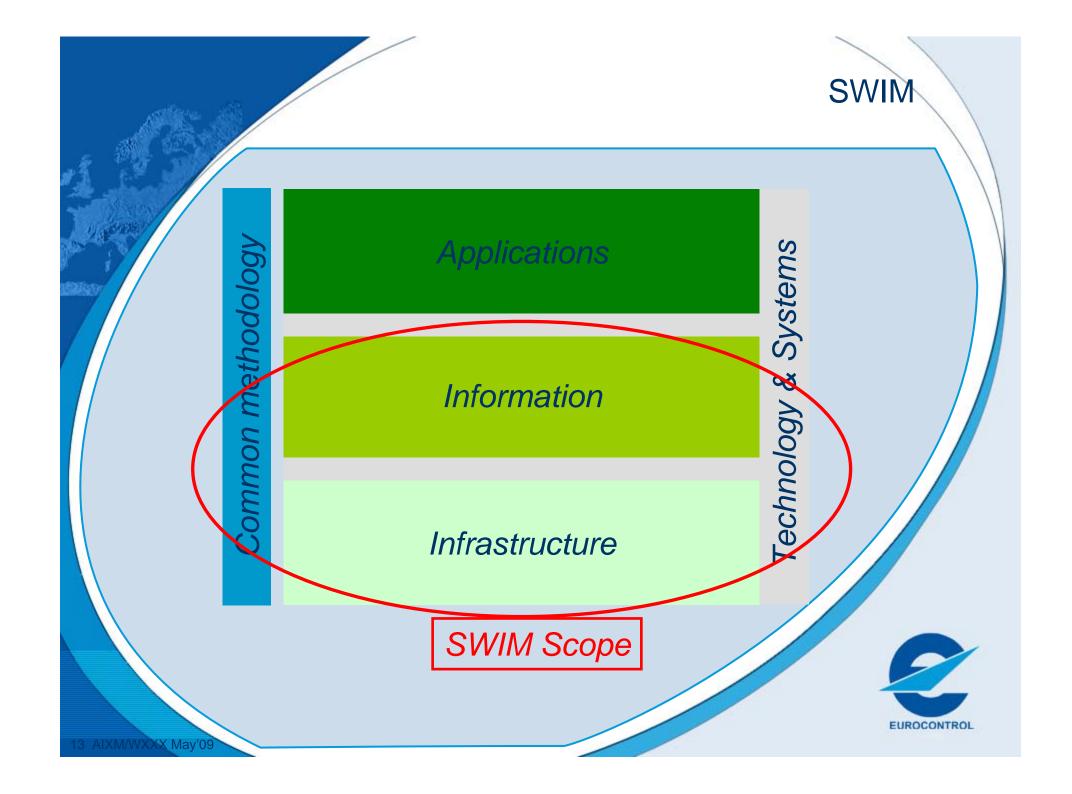




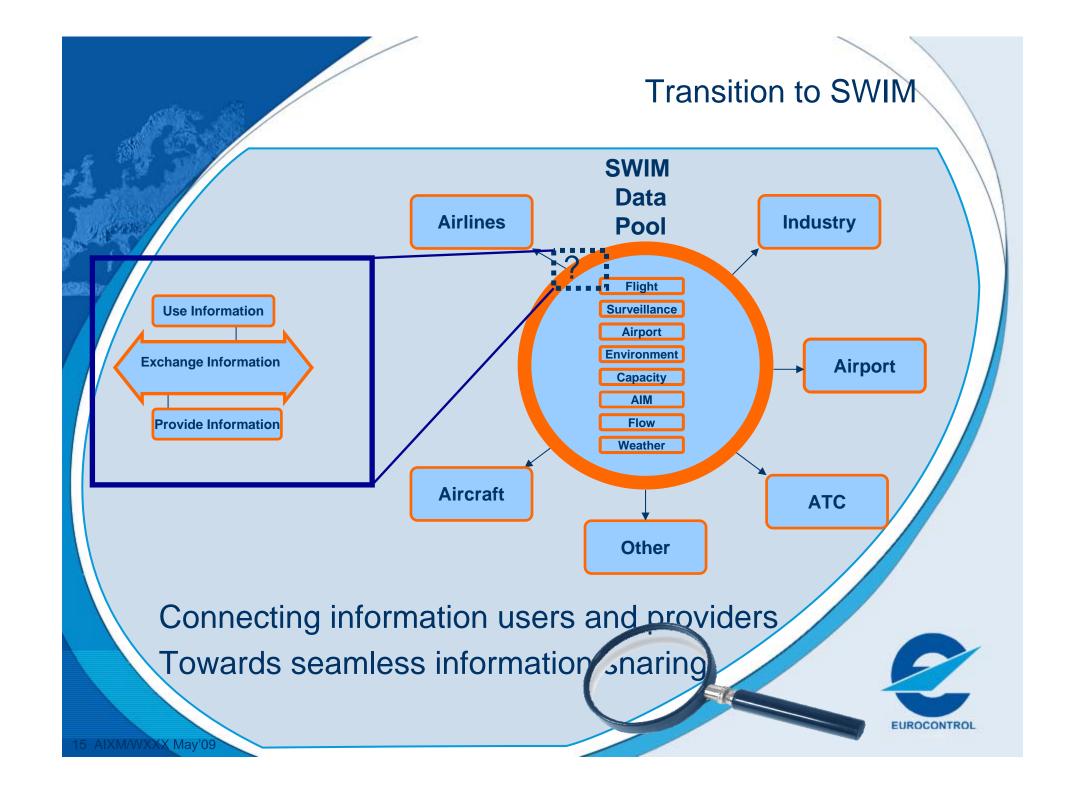
SWIM

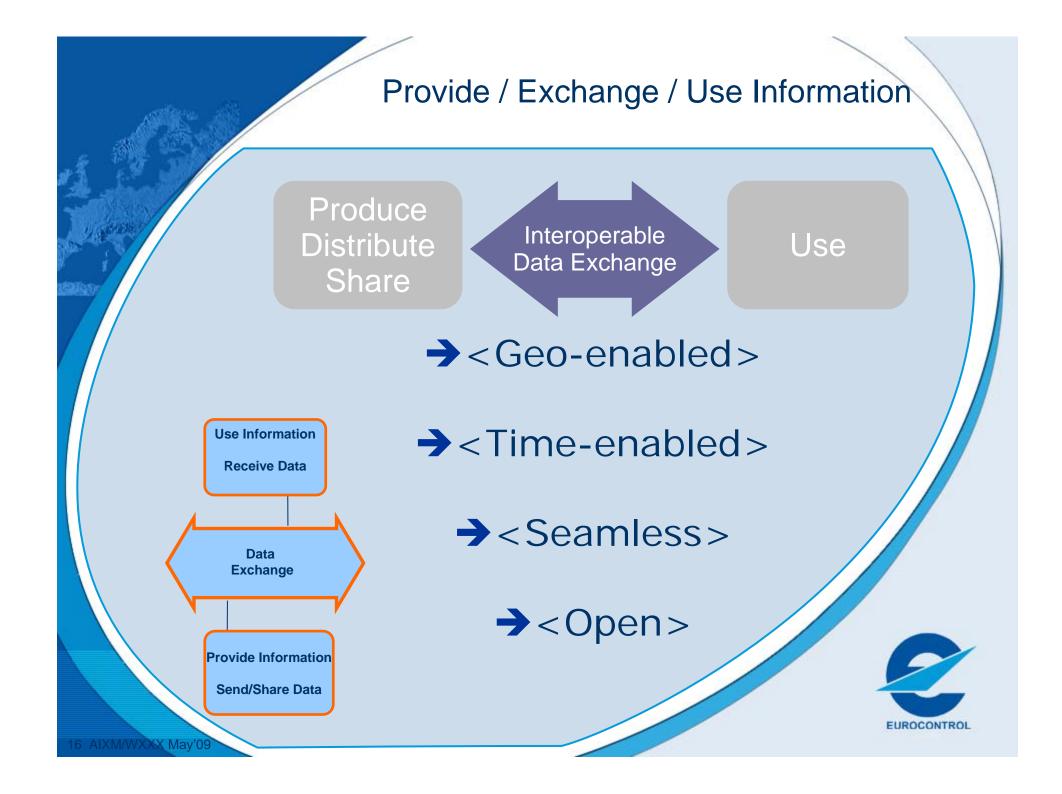


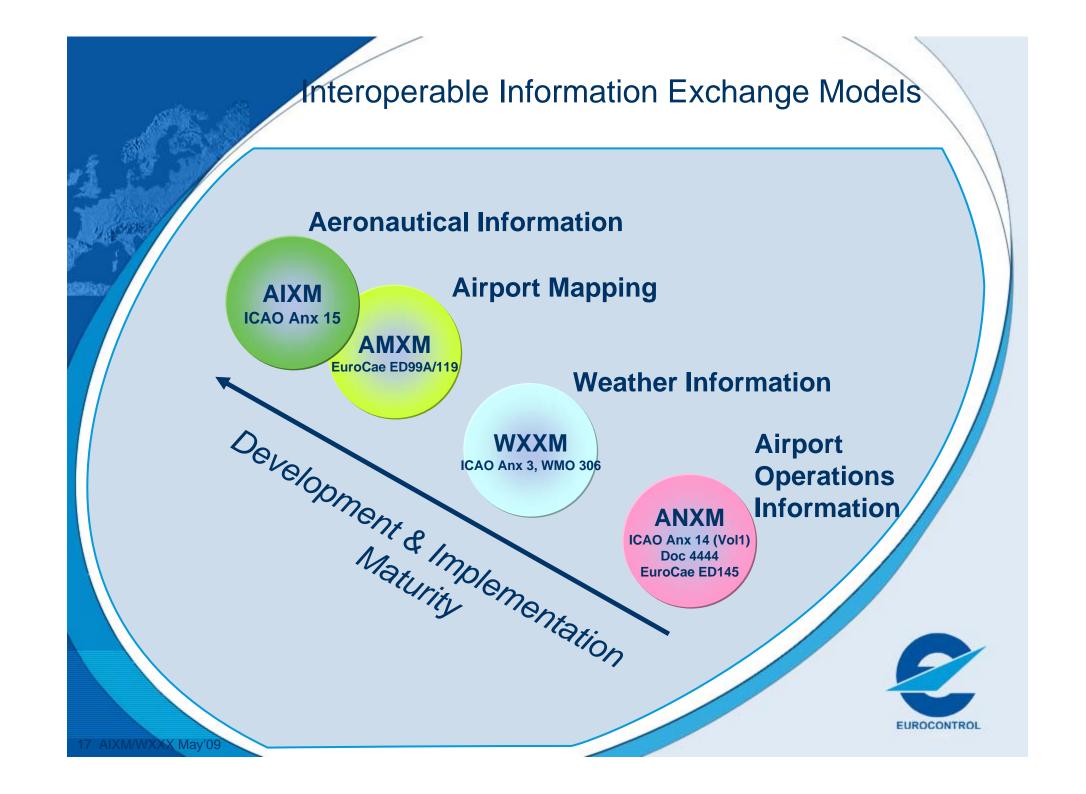




Transition to SWIM **Flight** Weather Surveillance **SWIM Data Airport AIM Pool Flow Environment** Management Capacity **Demand** ATM Data Domains share data into SWIM EUROCONTROL AIXM/WXXX May'09







WX Model Development Status **WXCM WXCM WXCM WXXM 1.0.1 WXXM 1.1** WXXM 2 **WXXS WXXS WXXS** Q4 2009 ? **Available** May 2009 EUROCONTROL

Cooperation & Harmonisation is a MUST

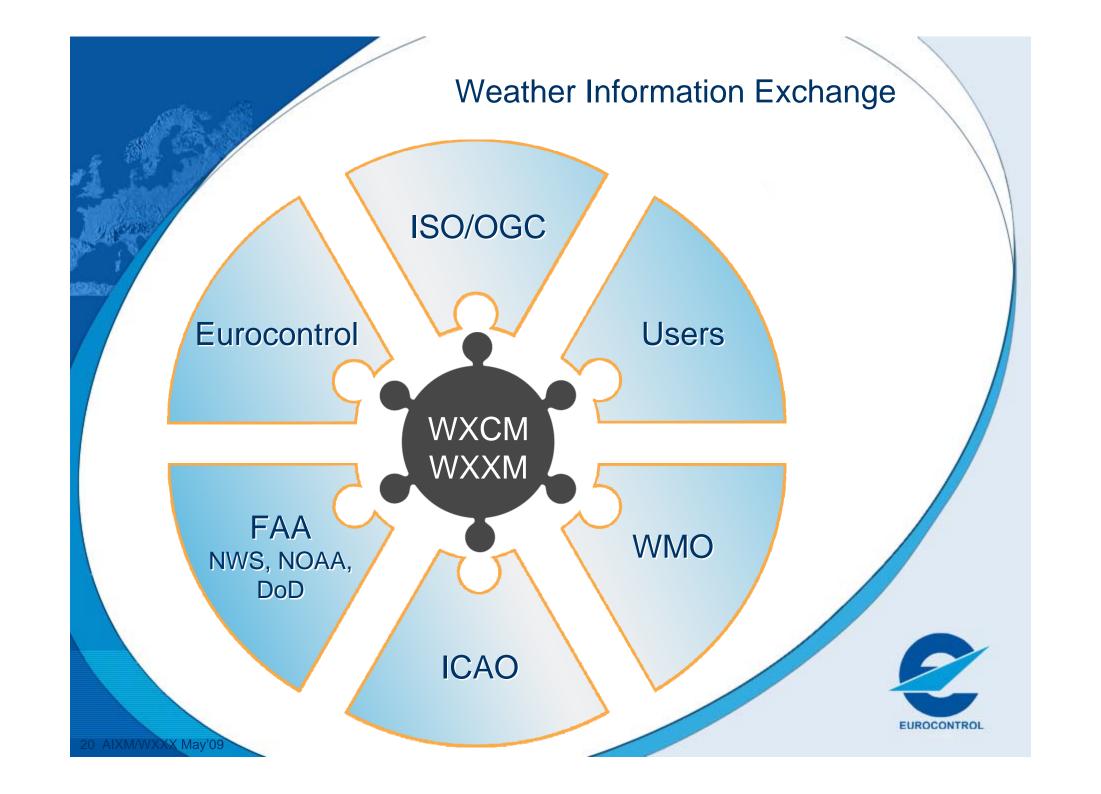
Air transport is a 'business' on a global scale

Modernisation is therefore a world-wide issue

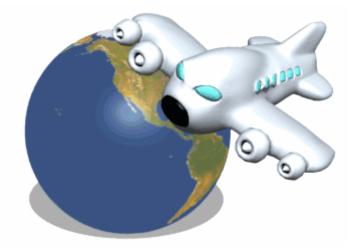
Today's Regional problems become tomorrows global issues and must be solved only once

SESAR's problems are NextGen's problems v.v.





Q&A



Future events

- •MET Support to ATM Workshop; May 27-28, 2009; Brussels, Belgium
- •MET Support to ATM Workshop; October 27-28, 2009; Brussels, Belgium
- •FAA-EUROCONTROL Technical Interchange Meeting; October 29-30, 2009; Brussels, Belgium

