



POLSKA AGENCJA ŻEGLUGI POWIETRZNEJ  
POLISH AIR NAVIGATION SERVICES AGENCY



## ***WATMC 2013 – SESAR JU***

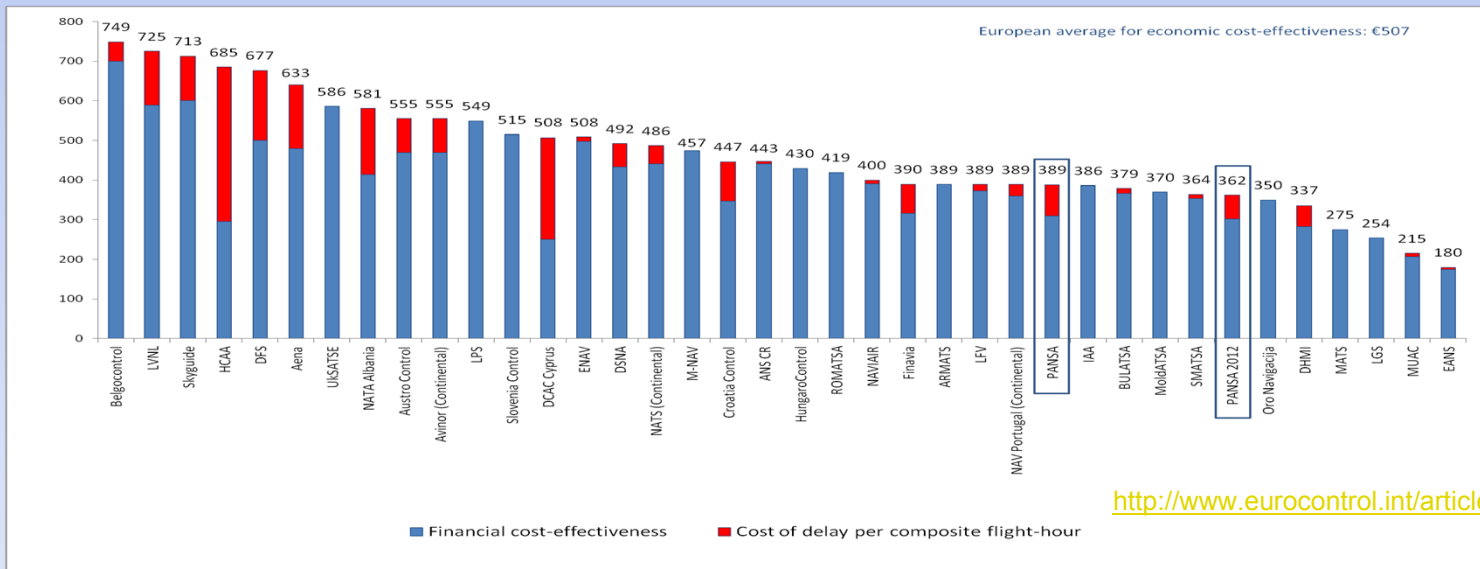
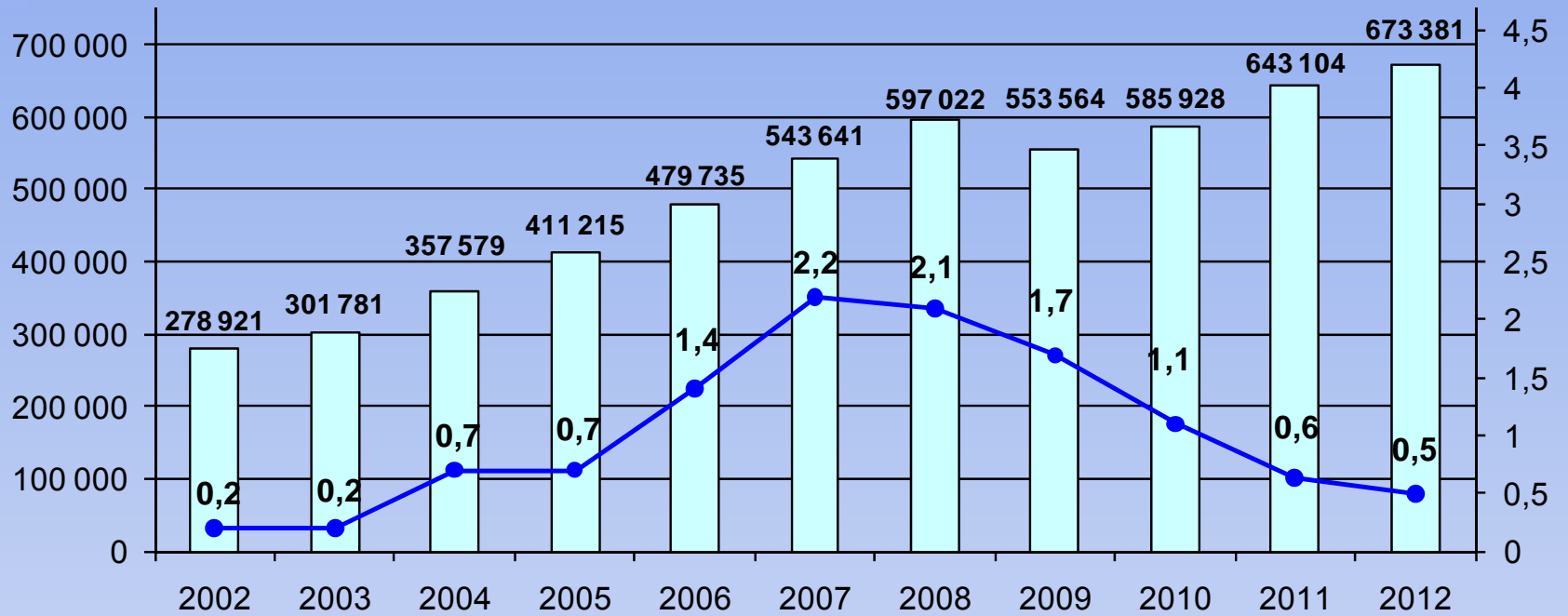
# **The views of a Central European ANSP on SESAR**



**Madrid, 12.02.2013 r.**



# Traffic and delays in FIR EPWW 2002-2012





### „Step by step” approach:

- ✓ implementation of DCT in the Upper Airspace:
  - night DCT (evolving)
  - weekend DCT (evolving)
- ✓ FRA/FRAlike (H24 DCT) in the Upper Airspace (2014/2015)
- ✓ FRA in the whole FIR EPWW (2016/2017)

Project P2010+ - project carried out by PANSa to develop proposals for the implementation of a new airspace structure in spring 2014 to maximise capacity and efficiency considering the new ATM system (PEGASUS 21)

- ✓ Scenarios developed:
  - Free Route Like airspace (DCT)
  - Free Route airspace
- ✓ Real Time Simulation (spring 2013) - FRA in the upper airspace



### **CEAP cooperation concept :**

Air Navigation Service Providers (ANSPs) of Poland, Slovakia and Hungary and may be extended to the ANSPs of Lithuania, Romania, Bulgaria and the Czech Republic.

#### **It contains:**

- The raison d'être of the common activities of agreeing ANSPs of the Central and East-European Region (CEAP) in the realities of and for the benefits of the ATM programmes of the European Union and the ICAO EUR Region.
- The basic areas of cooperation of the agreeing ANSPs of the Central and East-European Region (CEAP) that are expected to provide the added value to the European ATM Programmes, along with the sequence of CEAP common activities, in line with major European ATM programmes and with identified added value.
- Organizational activities supporting the sequence of ATM value-added activities.



## Cooperation of the ANSP - CEAP activities.

Central and East European ANSPs (CEAP) activities are related mainly to the development and implementation of:

- WPB (Target Concept and Architecture Maintenance),
- WP3 (Validation Infrastructure Adaptation Integration),
- WP4 (En-Route Operations),
- WP5 (TMA Operations),
- WP6 (Airport Operations),
- WP7 (Network Operations),
- WP8 (Information Management),
- WP13 (Network Information Management System)
- WP14 (SWIM Technical Architecture),

For the CEE region most important are following focus areas:

- Authorisation & revision using datalink
- System interoperability and data sharing
- Free Routing.

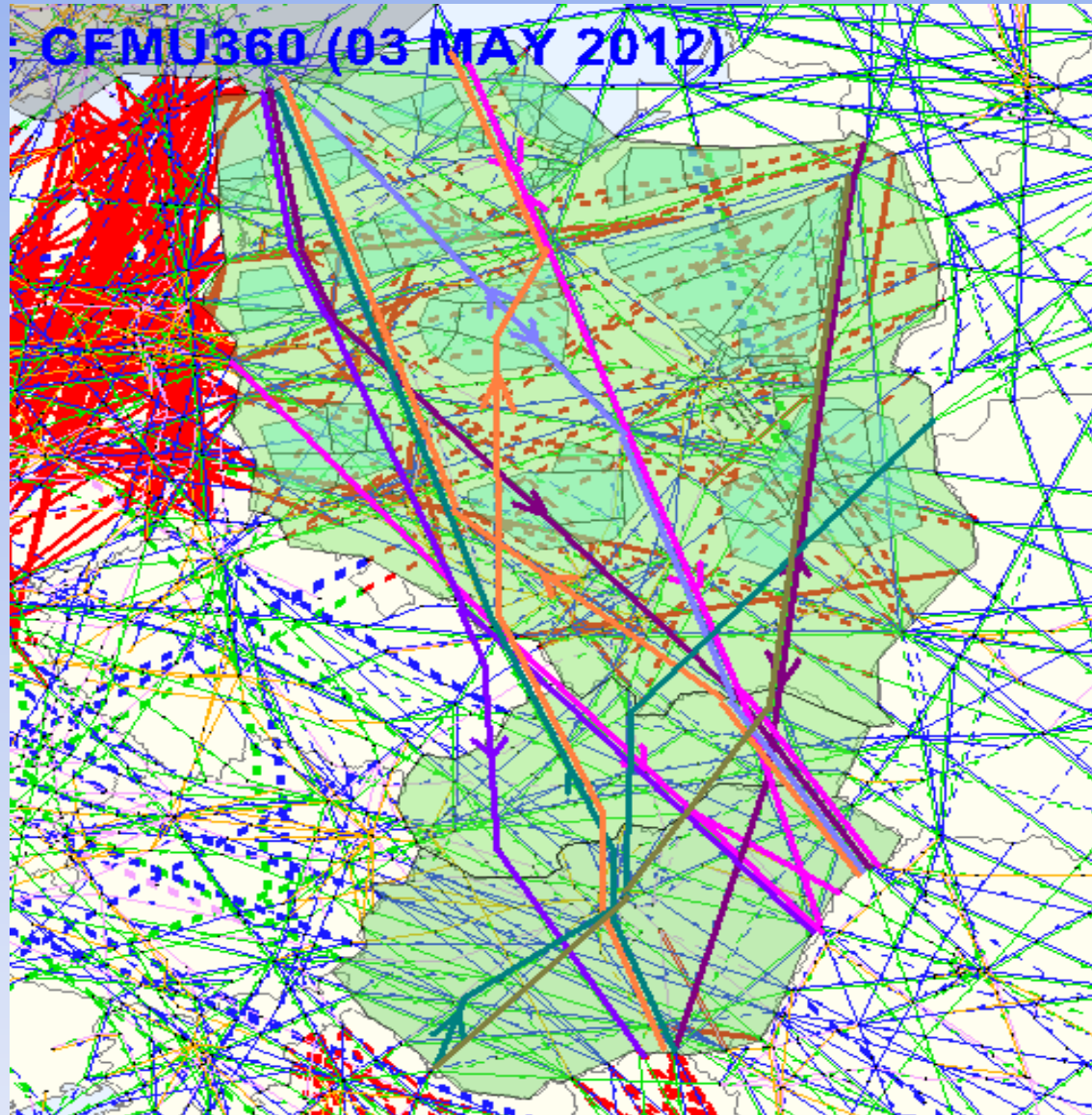
SWIM Technical Infrastructure development for the:

- Flight information,
- Airport information,
- Flow Demand and Capacity information,
- Meteorological information,



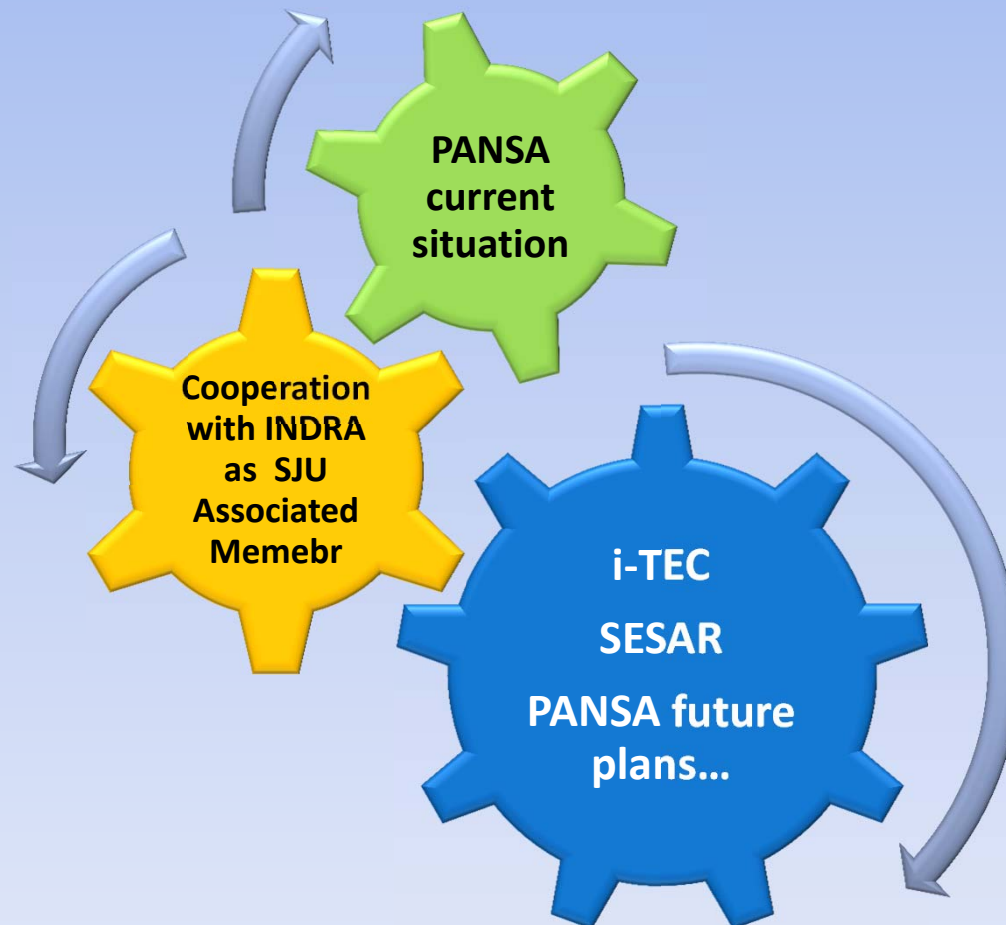
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# „HIGHWAY PROJECT” - OVERFLIGHTS (MAIN STREAMS)





## ATM Systems in PANSZA SESAR and iTEC... ...natural evolution for Pegasus-21 ATM system





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## Polish Air Navigation Services Agency as a Associated Member to SJU

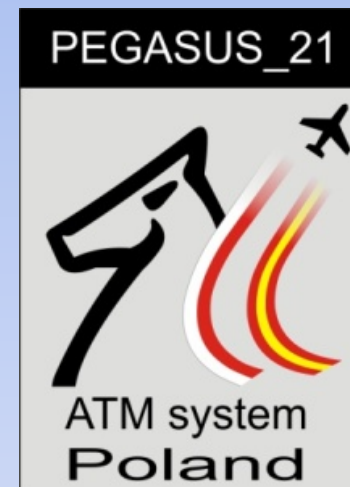
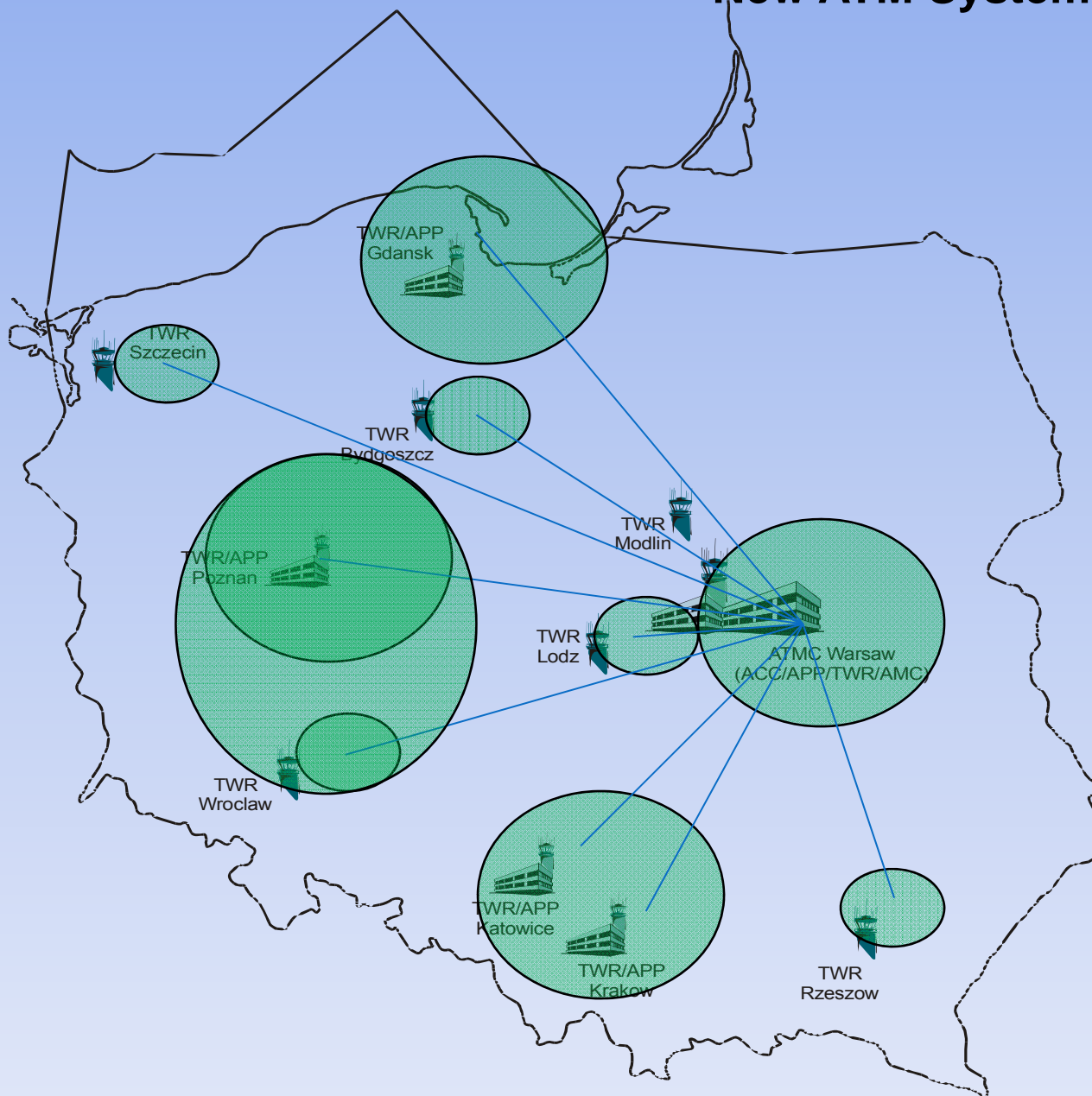
- April/May 2010: INDRA & PANSZA join activities to prepare proposal for SESAR JU
- 26 May 2010: INDRA & PANSZA completed full set of the required documents
- April/May 2011: PANSZA internal activities:
  - Budgetary plans
  - Appointment of Contract Manager/Point of Contact
  - Human resources assignment (depending on the Pegasus-21 system OPS implementation progress...)
- **19 July 2010: PANSZA became a SESAR JU Associated Member**





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# PEGASUS\_21 New ATM System for Poland





## PEGASUS – 21 Development

P\_21

- New ATM system PEGASUS implementation ( March 2012)
- Continue the analysis of the ATM system functionality and SESAR Implementation Packages requirements

i-TEC

- Decision to „follow” the i-TEC concept and functionality
- PEGASUS evolution programme
- PEGASUS upgrade and integration

SWIM

- Join to the integrated European ATM network
- Fulfill the SESAR Concept of Operation, Architecture and Technologies



### **PEGASUS – 21 implementation fulfils several goals laid down in the ATM MP:**

- AOM-0801 - Flexible Sectorisation Management
- AOM-0802 - Modular Sectorisation Adapted to Variations in Traffic Flows
- CM-0201 - Seamless Coordination, Transfer and Dialogue
- CM-0202 - Automated Assistance to ATC Planning for Preventing  
Conflicts in En Route Airspace
- CM-0203 - Automated Flight Conformance Monitoring
- CM-0801 - Ground Based Safety Nets (TMA, En Route),

### **and will in the next SW version:**

- AOM-0401 - Multiple Route Options & Airspace Organisation Scenarios
- AOM-0402 - Further Improvements to Route Network and Airspace incl.  
Cross-Border Sectorisation and Further Routeing Options
- IS-0204 - Facilitated Aeronautical Data Exchanges through Digitalised  
Information
- IS-0401 - Automatic Terminal Information Service Provision through Use  
of Data-link
- AUO-0301 - Voice Controller-Pilot Communications (En Route)  
Complemented by Data Link



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# Thank you for attention!

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