



DEPARTMENT OF AIRSPACE CONTROL

AIR NAVIGATION MANAGEMENT CENTER



**ACAO/ICAO ATFM WORKSHOP
CASABLANCA
2019**



ATFM IMPLEMENTATION

BRAZILIAN CHALLENGES AND SOLUTIONS



Departamento
de Controle do Espaço Aéreo
Department of Airspace Control

CGNA

www.decea.gov.br 



TOPICS

1. SCENARIO
2. CHALLENGES
3. SOLUTIONS
4. FUTURE





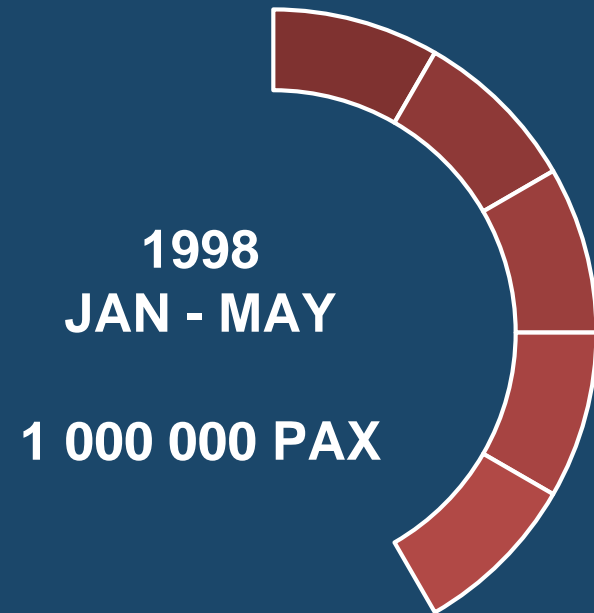
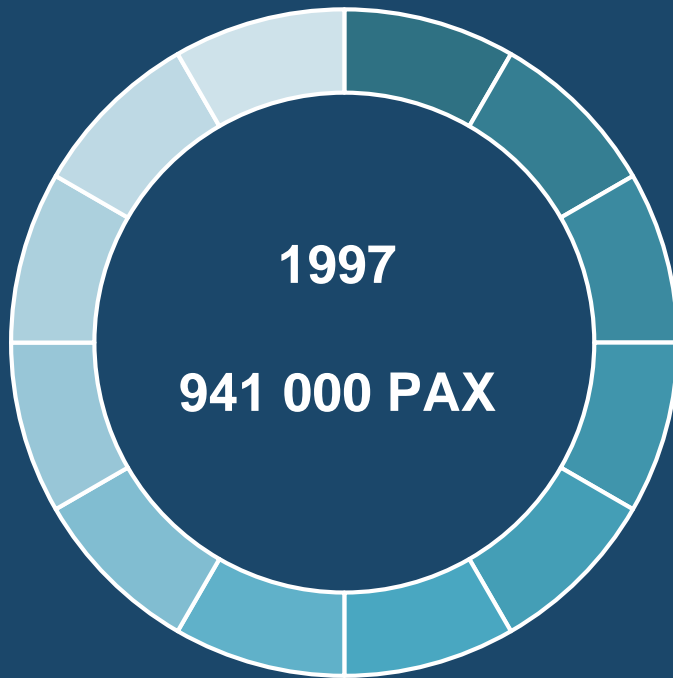
SCENERIO

90' STRONG ECONOMIC GROWTH
EXPANSION OF AIR MOVEMENT



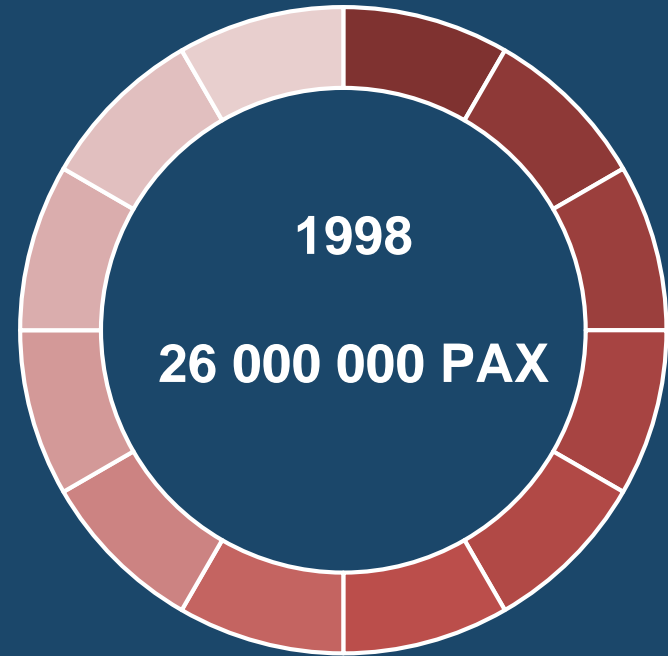


SCENERIO INTERNATIONAL FLIGHTS





SCENERIO DOMESTIC FLIGHTS





CHALLENGES



CHALLENGES

CONGONHAS AIRPORT





SOLUTIONS

1996 THE FIRST ATFM MEASURE IN BRAZIL





SOLUTIONS

2001 AIR NAVIGATION MANAGEMENT CENTER
2006 CGNA IN RIO DE JANEIRO





SOLUTIONS



OPERATIONAL
DIVISION

TECHNICIAN
DIVISION

ADMINISTRATIVE
DIVISION



SOLUTIONS

AIRSPACE PLANNING

NETWORK DISTRIBUTION PLANNING

ANALYSIS OF CIRCUMSTANCES THAT
MAY AFFECT CIRCULATION

APPLICATION OF THE ATFM
MEASURES THROUGH CDM



SOLUTIONS

PERFORMANCE ANALYSIS OF THE ATC
STRUCTURE

DEVELOPMENT OF TOOLS TO SUPPORT
ATFM

MONITORING SYSTEM PERFORMANCE

PROCESSING OF FLIGHT PLANS

SOLUTIONS





FUTURE





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