



Data Analysis Working Group (DAWG)



Raúl Martínez

Regional Officer AIM, ICAO NACC Regional Officer

RASG-PA and GREPECAS Teams Coordination Meeting
25 March 2021





Background

Team Role and Objectives

- The DAWG was presented to the RASG-PA at ESC/34 in May 2020, with a RASG-PA - GREPECAS Coordination WP where the DAWG was announced
- Its creation was presented to GREPECAS and approved in February 2021
- Through GREPECAS, support the collaboration with RASG-PA on issues of common interest
- With the analysis of the CAR/SAM data produce graphs and tables



- The Data Analysis Working Group (DAWG) is a team of experts with solid computational and statistical skills, who will be able to provide GREPECAS with advice on decision-making, based on data analysis and statistics.

Data sources used for the work of each team

When performing the Data Analysis required by GREPECAS, the data may come from:

- a) Official sources of States, ICAO, International Organizations and Industry
 - b) Air traffic information, aerodromes and reports (ex. GTE)
-
- Examine the received data sets including their validity and quality from the originator
 - Obtain recommendations and/or conclusions in decision-making and data-driven actions for GREPECAS

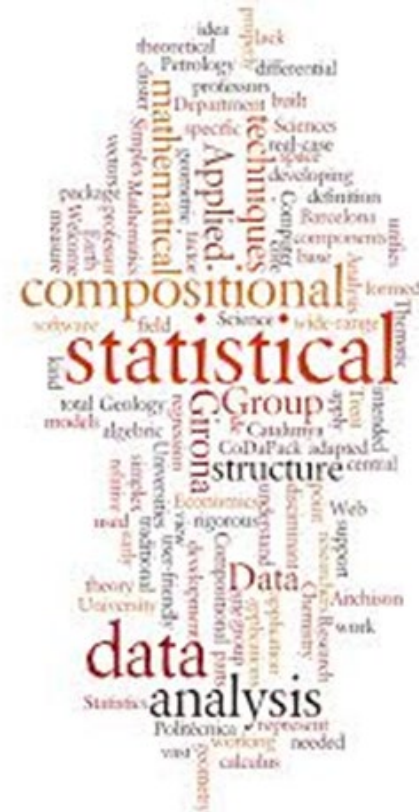
 - Comply with the following stages of the data analysis process
 - **Definition of the problem**
 - **Data collection**
 - **Homogenize the data in terms of format**
 - **Analysis**





Tasks

- review and manage data sets for statistical processes
- satisfy the need for knowledge of topics, requirements and tasks designated by GREPECAS
- comply with the completeness of analysis and timeliness of deliverables
- review the homogeneity of data and the formats of the different validated sources for the correspondent analysis
- ensure the cooperation of data providers with ICAO
- develop a Dashboard of air navigation Key Performance Indicators (KPI)
- generate statistics for States and stakeholders
- align DAWG work with the objectives of the GANP and the CAR/SAM Regional Air Navigation Plan (ANP)





Participation of the States, International Organizations and Industry in this team:

- representatives of the CAR and SAM States, GREPECAS contributing bodies, Industry and international organizations
- The DAWG will have a Rapporteur to act as general coordinator and representative of the group. **The DAWG will be composed of a minimum of five members**
- Monitoring of the guidelines for the protection and use of data (ICAO cybersecurity)



DAWG Expected Deliverables

- a) Regional ANS Dashboards that represent the analysis and interesting results
- b) conclusions and recommendations of the DAWG to the PPRC or GREPECAS regarding their analysis
- c) develop an annual report to monitor the status of the GANP Key Performance Indicators (KPIs) to GREPECAS
- d) document and inform the PPRC of a data analysis plan as a roadmap on how to organize and analyze the data and results obtained
- e) present documents of the analysis and their graphs
- f) update the Dashboard to the PPRC regarding the data received from the designated sources.



ICAO

UNITING AVIATION



ICAO

North American
Central American
and Caribbean
(NACC) Office
Mexico City

South American
(SAM) Office
Lima

ICAO
Headquarters
Montréal

Western and
Central African
(WACAF) Office
Dakar

European and
North Atlantic
(EUR/NAT) Office
Paris

Middle East
(MID) Office
Cairo

Eastern and
Southern African
(ESAF) Office
Nairobi

Asia and Pacific
(APAC) Sub-office
Beijing

Asia and Pacific
(APAC) Office
Bangkok



THANK YOU