



Workshop on Runway Safety Team (RST)



Runway Safety Programme - Brazil

Topics

Standards that regulate runway safety

The ANAC *Runway Safety* website

Guidance material for Runway Safety

Statistics of Runway Excursion and Incursion in Brazil

The Topics

1) **Decree nº 6.780** dated 18/02/2009, establishes the *National Civil Aviation Policy*.

PNAC Objective: The permanent objective that guides and improves the actions of civil aviation is safety, which is, therefore, a prerequisite for the operation of the sector.

2) **SSP (PSOE-ANAC)**

Art. 3º. The PSOE-ANAC also establishes the guidelines for the Brazilian civil aviation industry, regarding safety, in line with the National Civil Aviation Policy (PNAC).

3) **RBAC 153**

153.105 Aeronautical information

153.107 Operational area protection

153.109 Surface Movement Guidance and Control Systems (SMGCS)

153.111 Movement of aircraft, vehicles, equipment and persons in the operational area

153.113 Access and permanence in the movement area

153.115 Runway incursion prevention

153.131 Low visibility operations

Guidance material for runway safety

ANAC *Runway Safety* website

Runway Safety Team - RST
Runway Incursion
Runway Excursion
Runway Confusion
<i>Global Reporting Format (GRF)</i>
Declared distances
<i>Hot Spots</i>
RST Implementation Pilot Project
Aerodromes and Meteorology

Guidance material for runway safety – *Download*

1) *Runway Incursion Prevention*

Runway Incursion Prevention Handbook

Operational model agreement for runway incursion prevention

Runway Incursion Severity Calculator - RISC

Runway Incursion Prevention Level Evaluation Questionnaire

Guidance for the Registry and Analysis of Runway Incursion Occurrences

Evaluation Questionnaire of the movement area access training

Questionnaire for the identification and mitigation of Hot Spots

Guidance material for runway safety – *Download*

2) *RST Implementation*

Runway Safety Team Handbook

Manual del Runway Safety Team

Model statute for RST

RST Implementation – Study case (ANAC website)

<https://www.gov.br/anac/pt-br/assuntos/regulados/aerodromos/seguranca-operacional/runway-safety/projeto-piloto-sbbr>

How to prepare the RST Action Plan

RST Audit – Questionnaire

Guidance material for runway safety: Action Plan

3) *Steps to prepare the RST Action Plan*

Survey with pilots operating at the airport

Evaluation of the training of the personnel with Access to the airport movement area

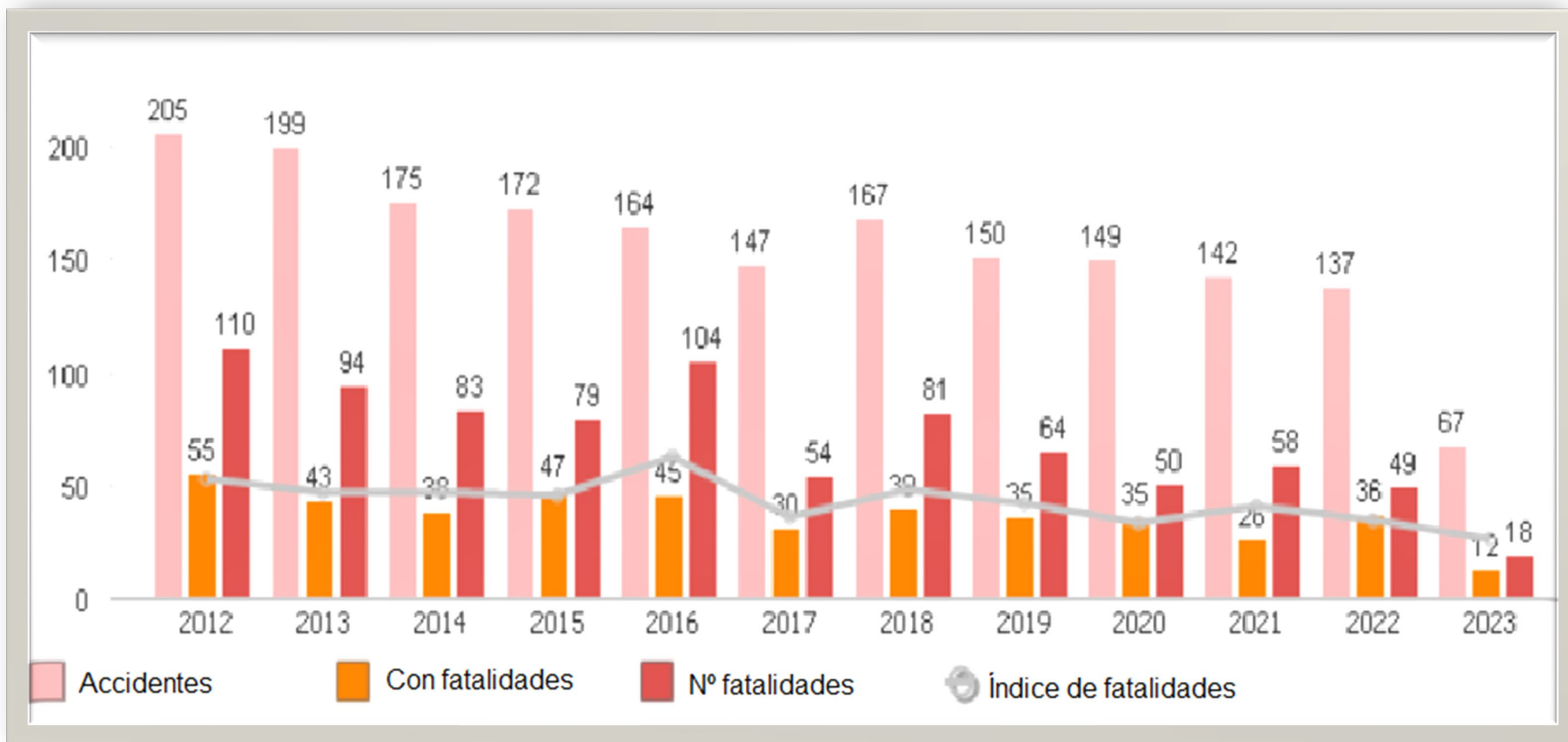
Visit to Control Tower (*blind spots and other needs*)

Meeting with the TWR controller

Study of the current actions of the airport operator in the runway safety area

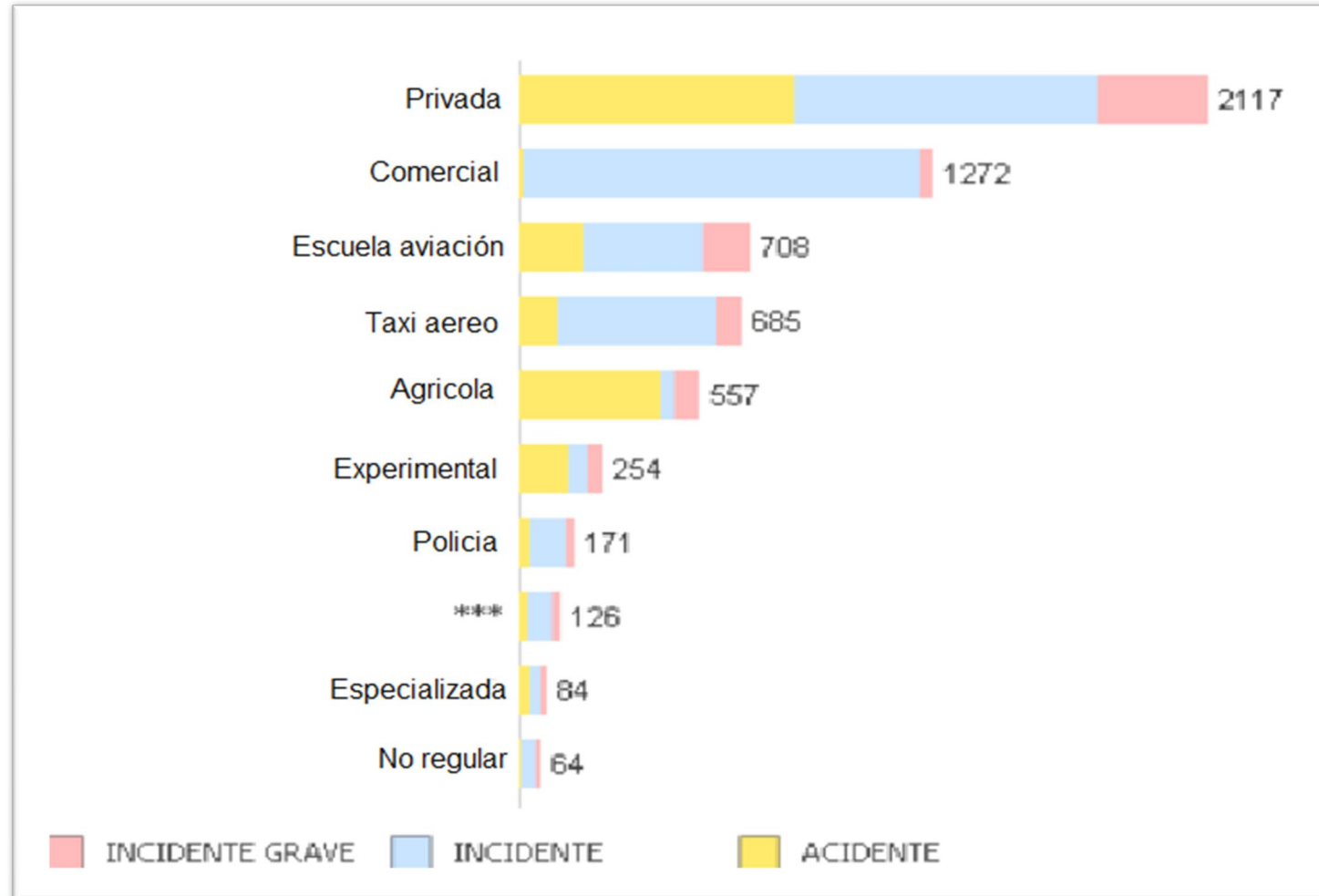
Statistical data of Civil Aviation events in Brazil

Civil aviation accidents – 10 years



Civil aviation accidents – 10 years

By operator category



Civil aviation accidents – 10 years

Fatalidades

844

Aeronaves Destruídas

321

Com Saída de Pista

574

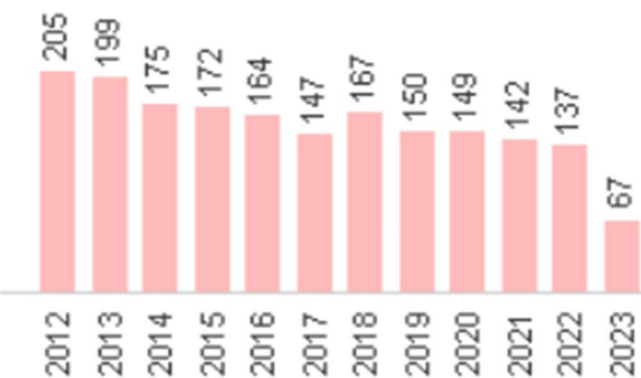
Relatórios Publicados

1624

Recomendações Emitidas

1441

Acidentes



Total: 1874 acidentes

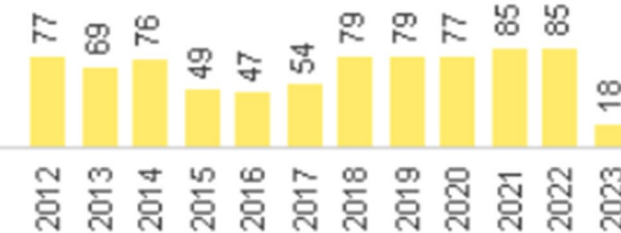
Aviões: 1359 acidentes

Helicópteros: 213 acidentes

Outros: 306 acidentes



Incidentes Graves



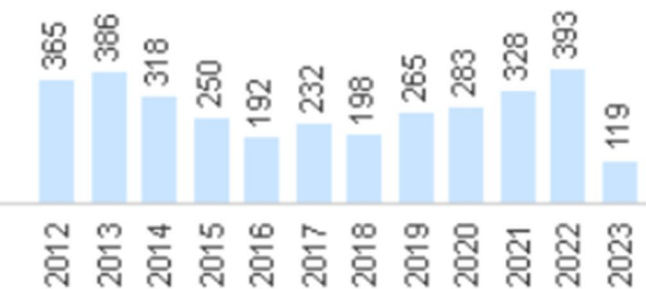
Total: 795 incidentes graves

Aviões: 662 incidentes graves

Helicópteros: 66 incidentes graves

Outros: 77 incidentes graves

Incidentes



Total: 3329 incidentes

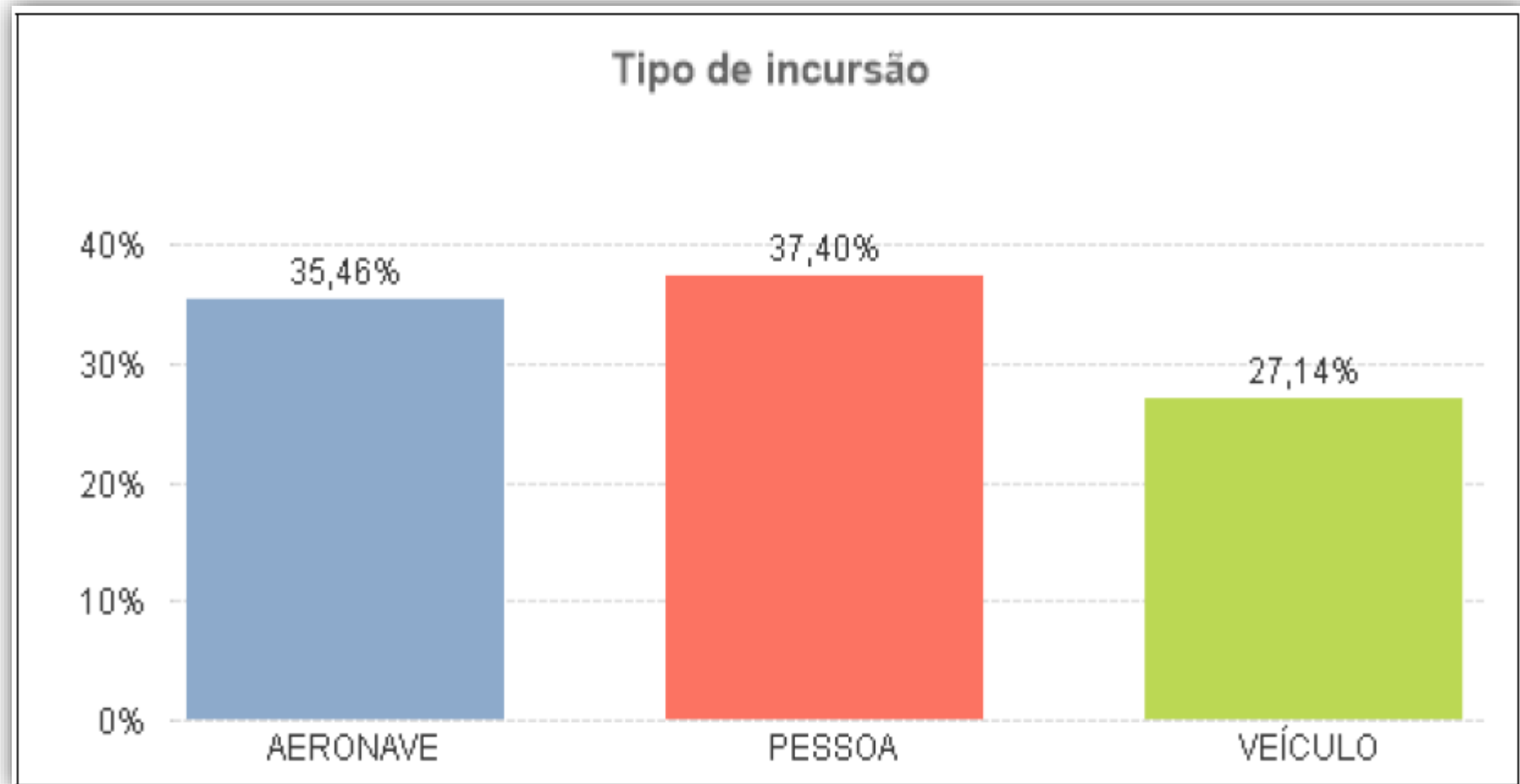
Aviões: 2816 incidentes

Helicópteros: 351 incidentes

Outros: 169 incidentes

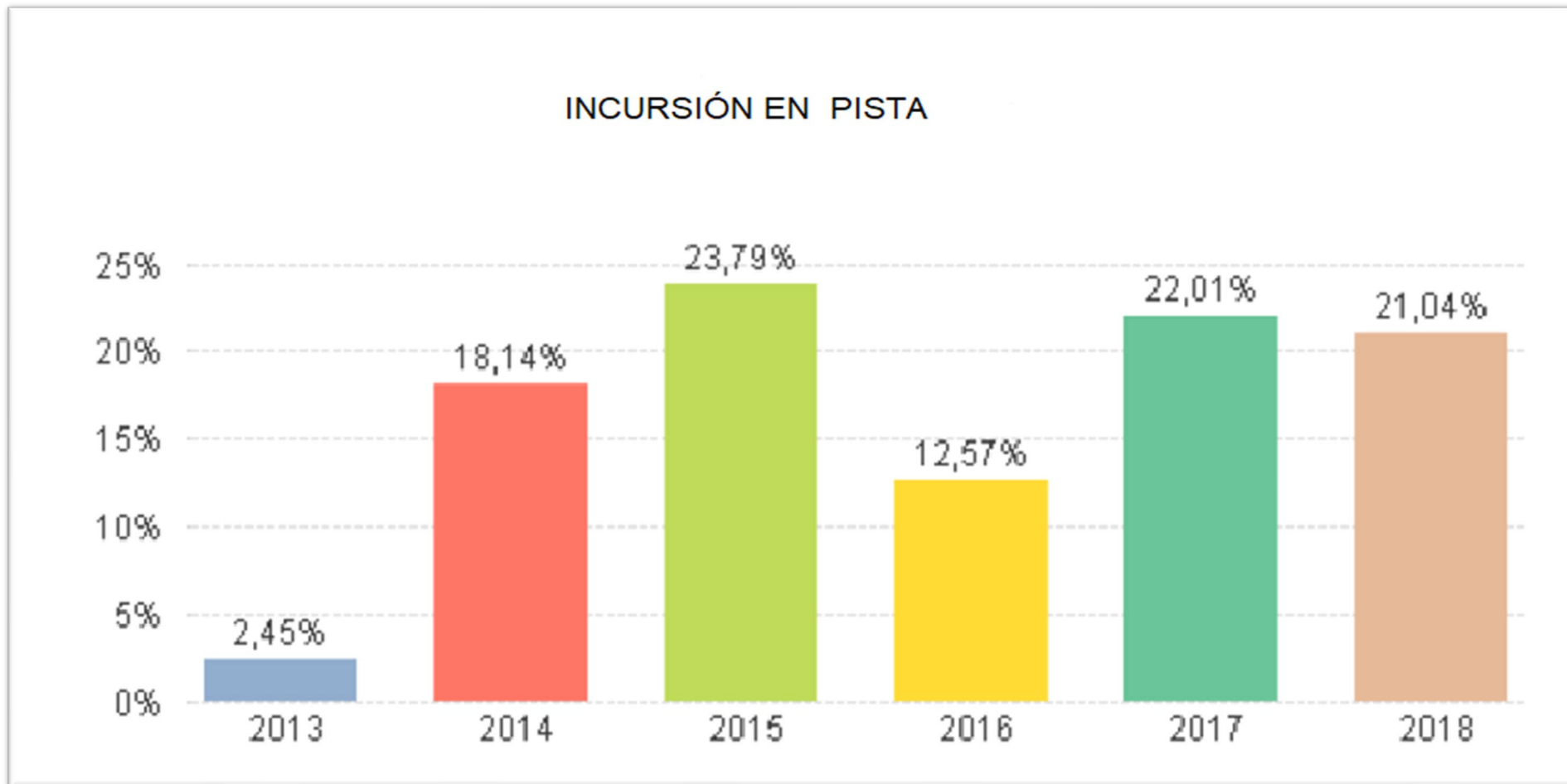
Runway Incursion Statistics: Brazil

By cause group: 2013 - 2018



Runway INCURSION Statistics

By year: 2013 - 2018



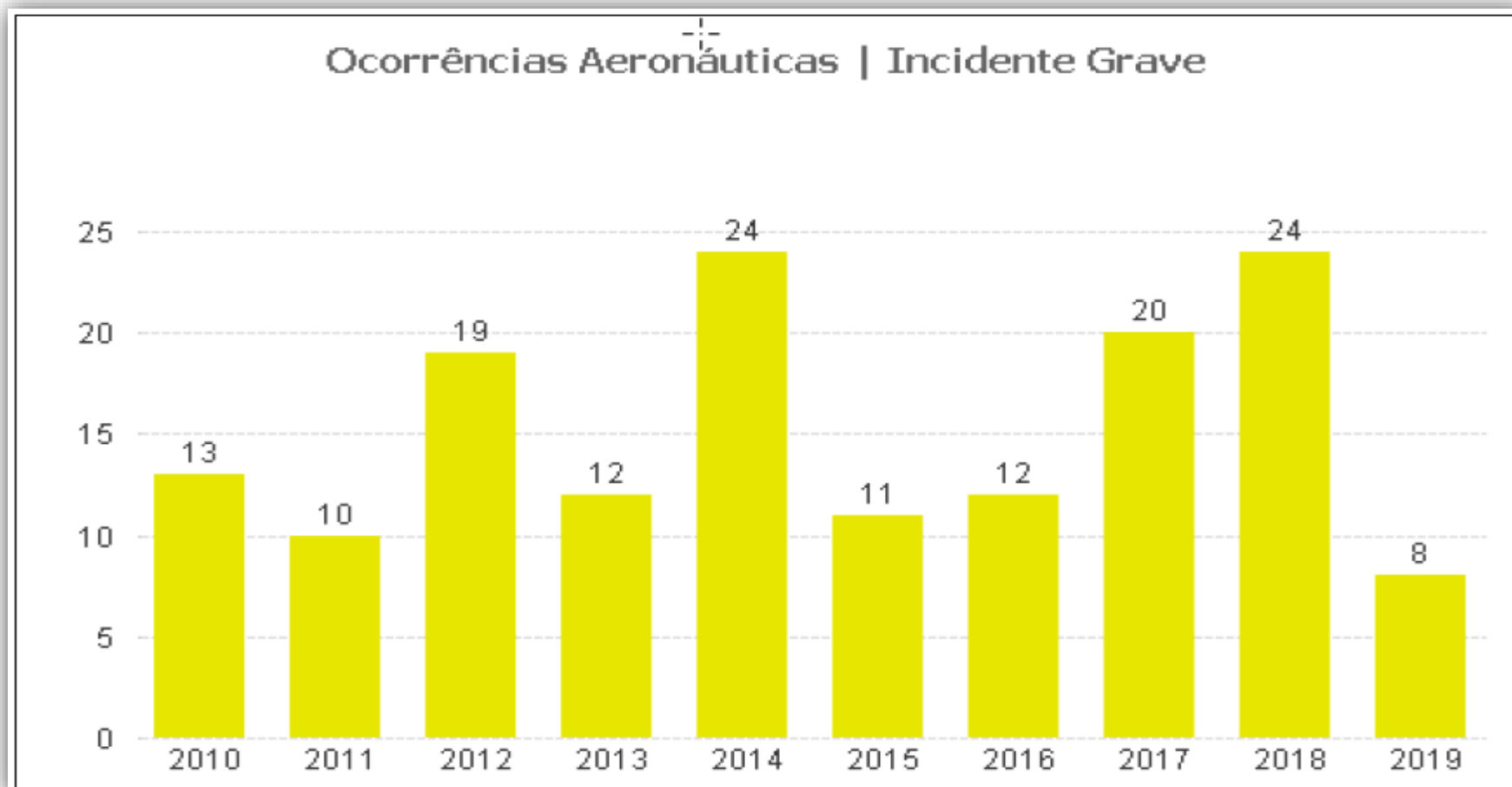
Runway Excursion Statistics

Distribution by year: 2010 - 2019



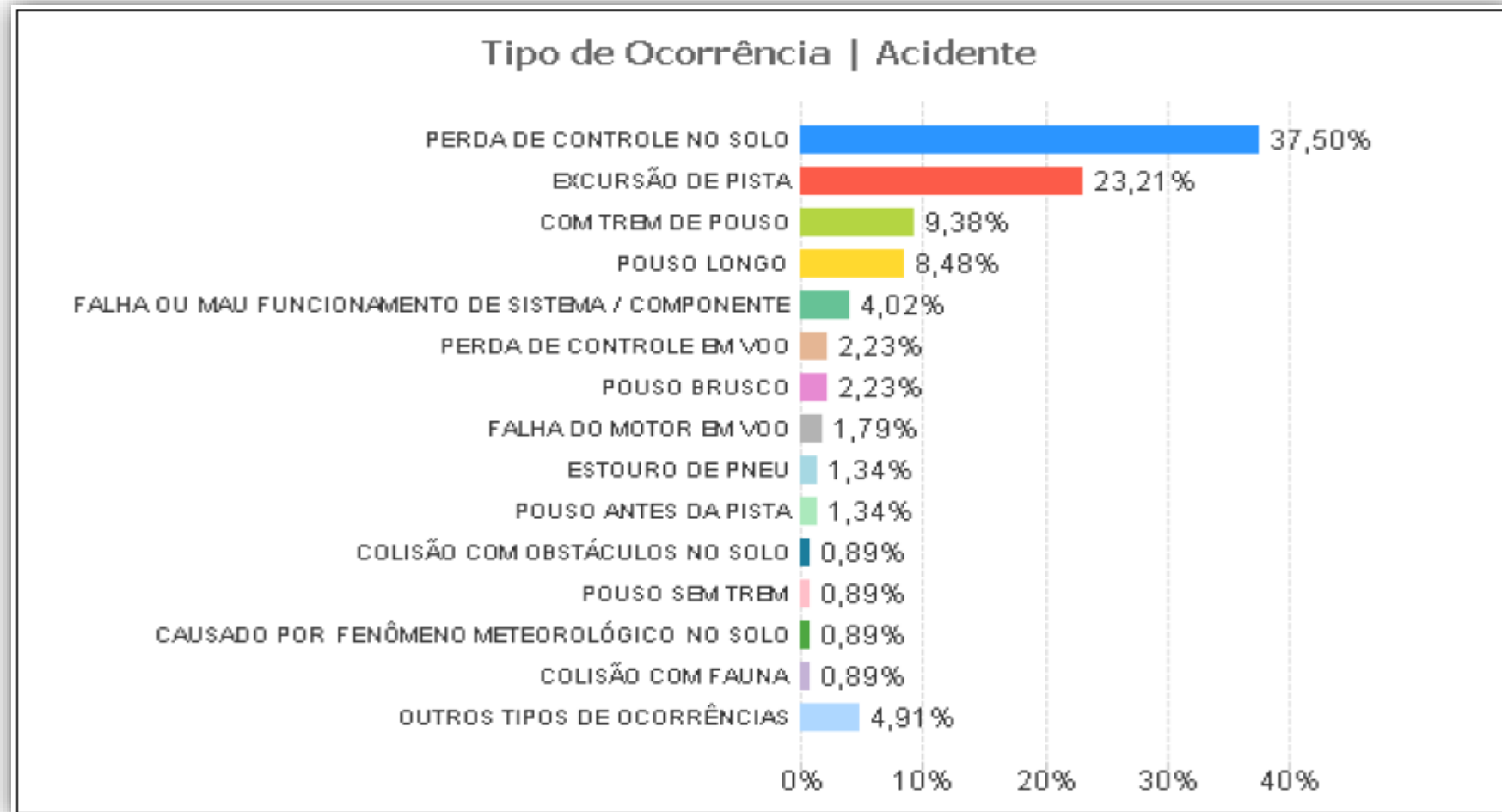
Runway Excursions Statistics

Distribution by year: incidents



Runway Excursion Statistics

By occurrence type: accidents



3,17 Mi

636

Total de Horas Voadas

Ocorrências no período

REGIAO

Todos

UF

Todos

TIPO

Todos

OPERAÇÃO

Todos

01/02/2022

28/02/2023

CLASSIFICACAO

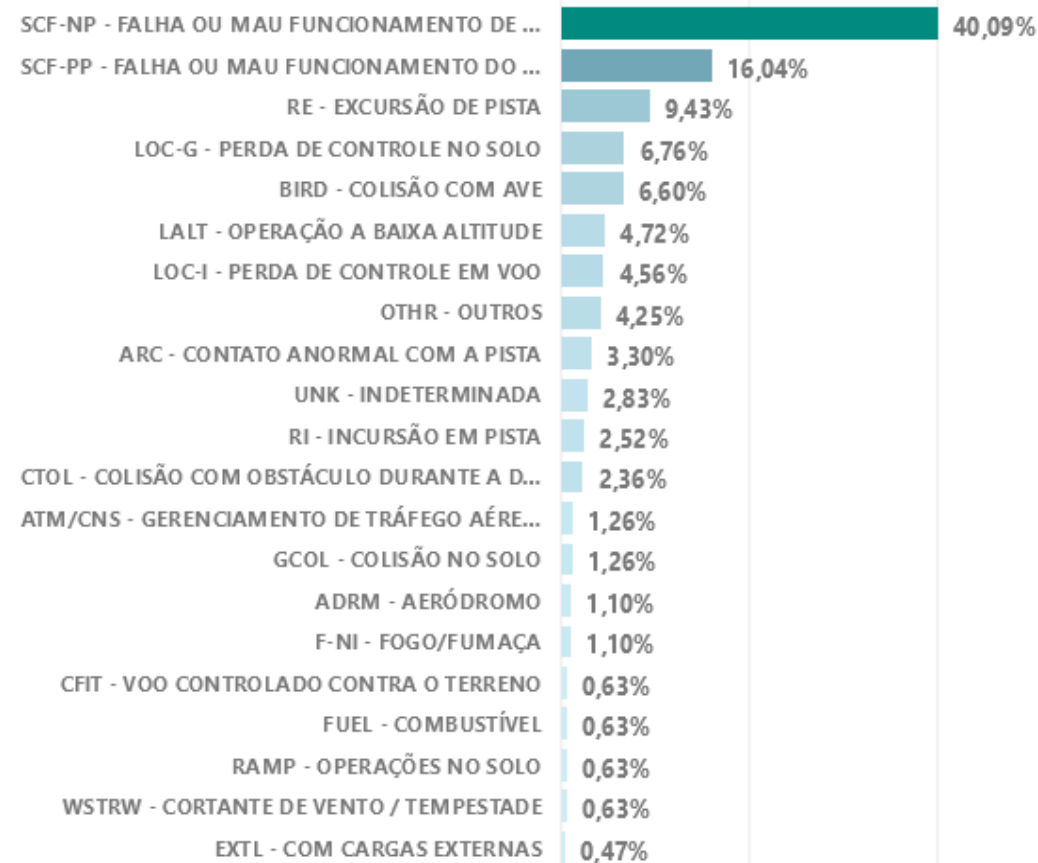
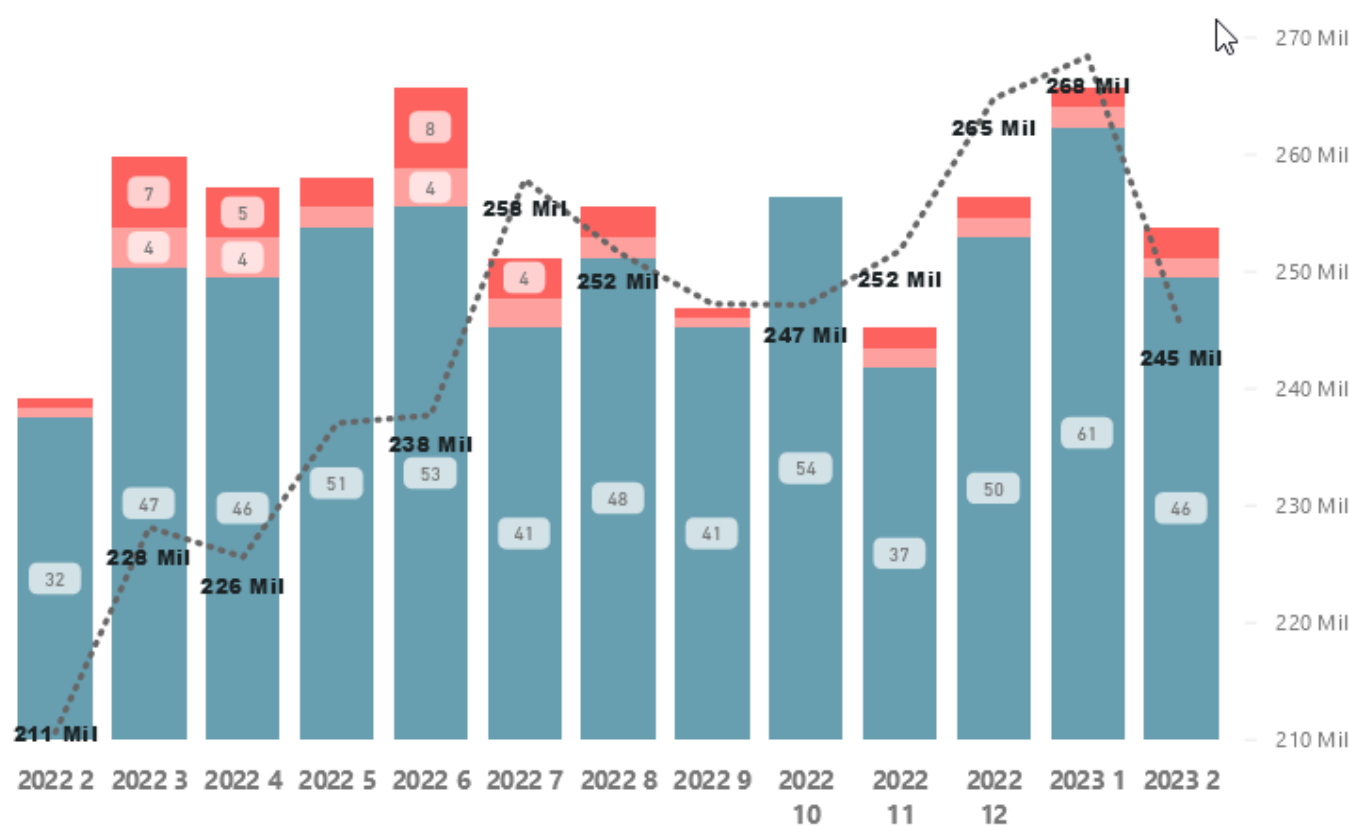
Todos

* As decolagens não são filtradas.

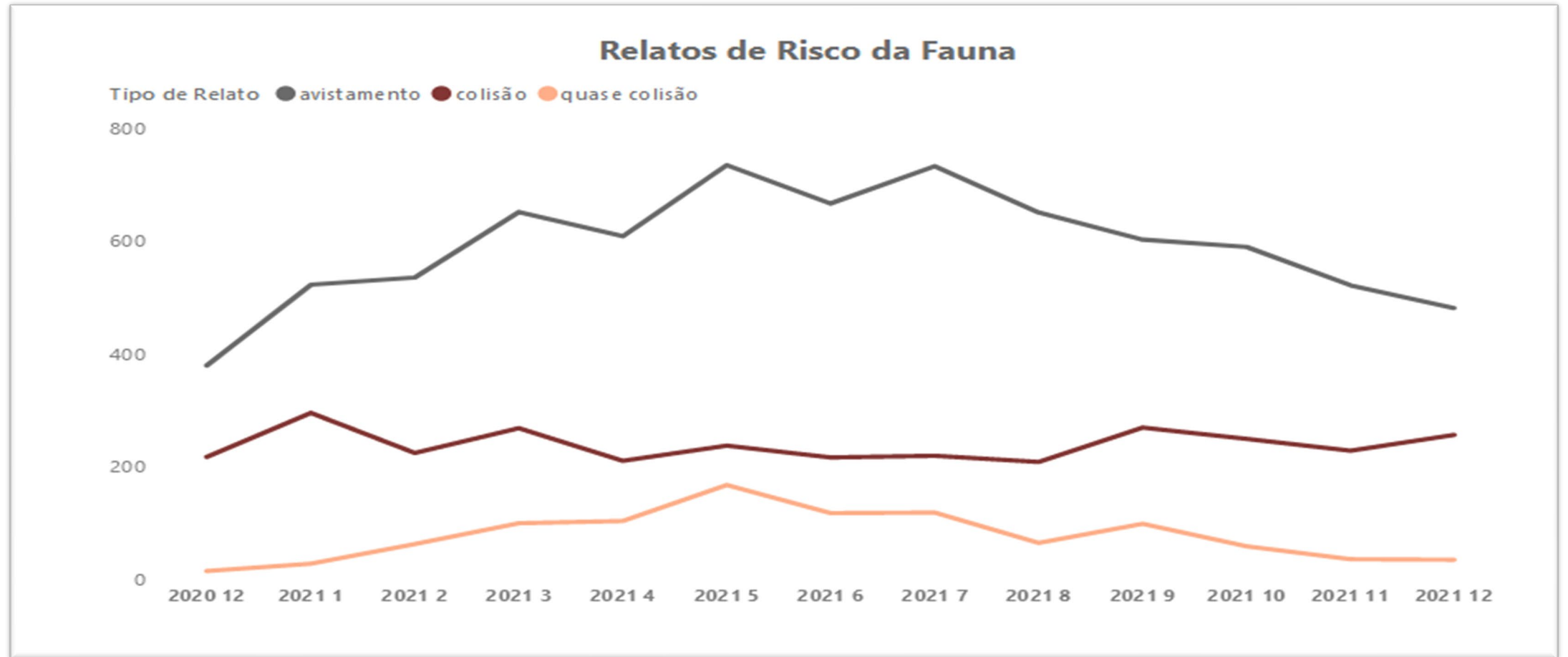
Ocorrências com e sem Fatalidades

Classificação ADREP

● AcidentesSemFatalidades ● AcidentesFatalidades ● FatalidadesTotais ● Total de Horas Voadas



Wildlife Risk Statistics





Thank you

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