



ASECAP

16th ROAD SAFETY CONFERENCE

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- Madrid, Spain

Hosted by

seopan
Asociación de Empresas Constructoras
y Concesionarias de Infraestructuras

Report of the ASECAP Task force

“Accident Data Analysis”

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ASECAP Coper 2 Vice chair

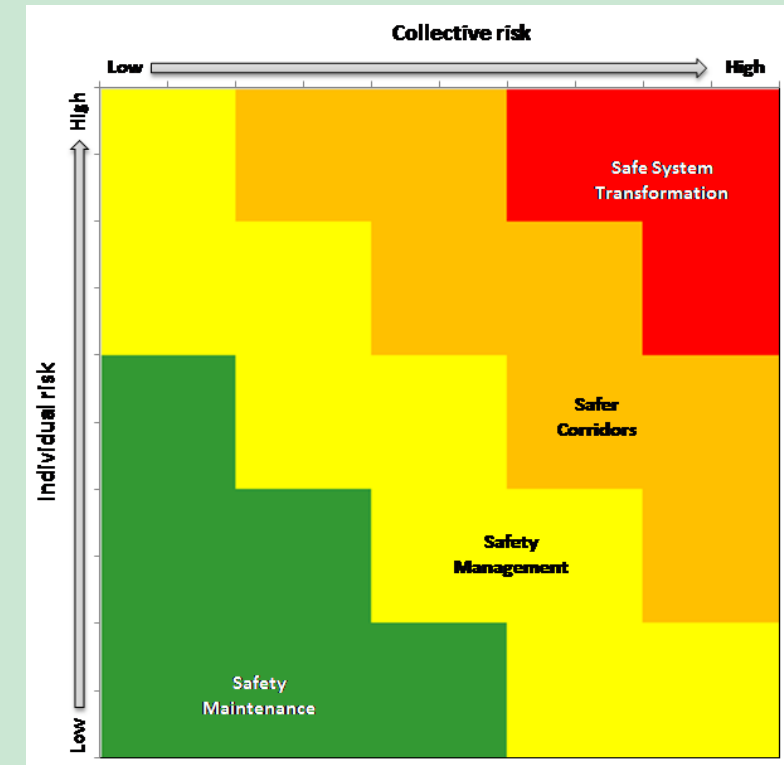
TF Leader

Accident Data Analysis

Need for Accident Data for:

- any kind of Road (Safety) Management Systems
- all major treatment types and design standards
- political and management decisions
- scientific and research institutions
- awareness and communication

“Reactive” basis for proactive approach!

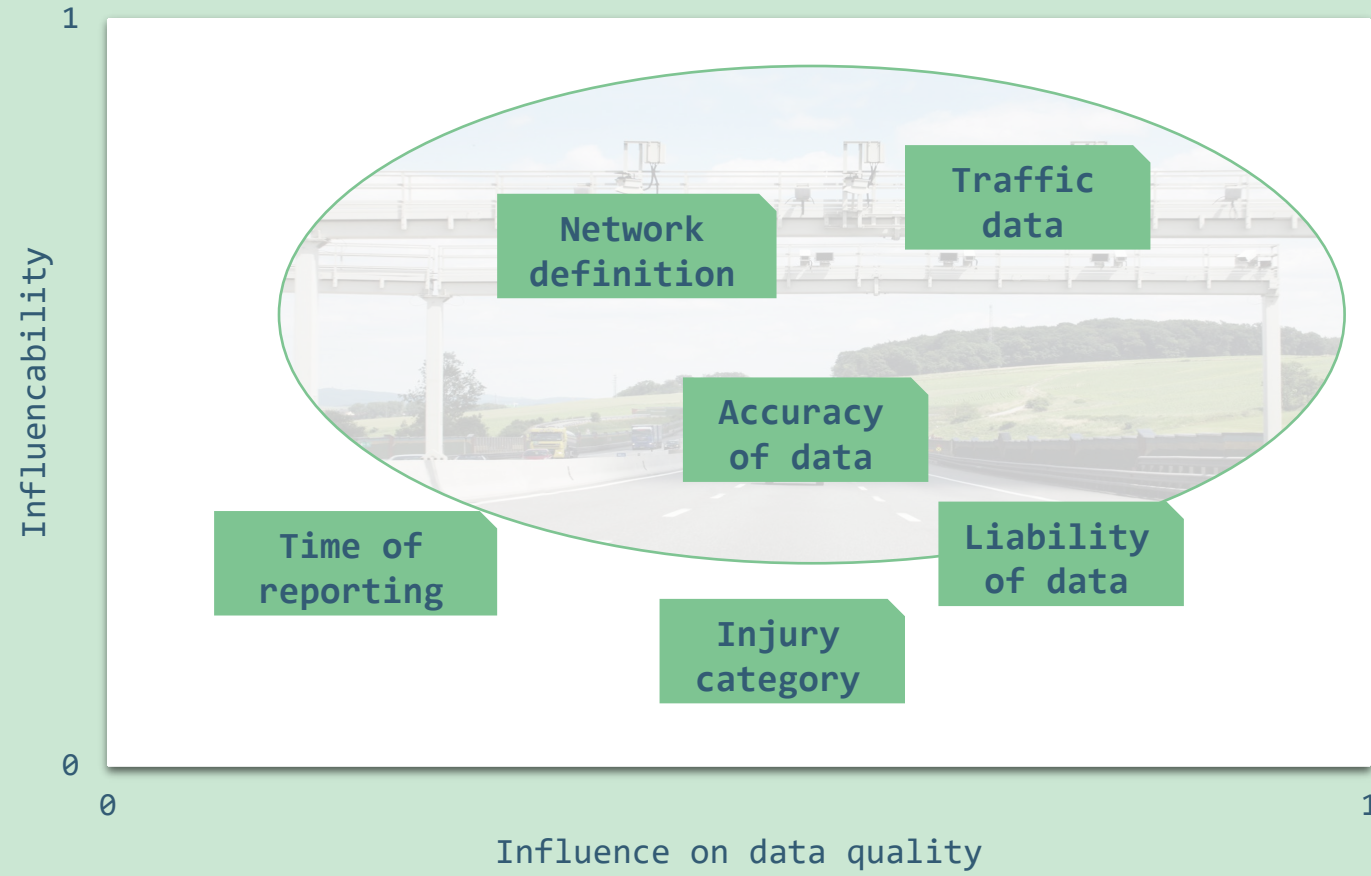


Accident Data Analysis

Accident Data basic requirements: (PIARC RAI guideline 2013)

- accuracy
- complexity (including all features)
- availability
- uniformity

What are the main factors of „Quality“ Accident data



Scope of ASECAP Task Force

- **Exchange of knowledge** amongst ASECAP members in the area of accident data collection, analysis and performance barometers, as well as results on Network Wide Road Safety Assessment methods (regarding RISM Directive)
- Define road safety data to be aligned for collection within **ASECAP database**
- **Quality checks** of available data and indicators
- Development of **ASECAP publications**, position papers and data interpretation
- Development of Road Safety Indicators

ASECAP accident data

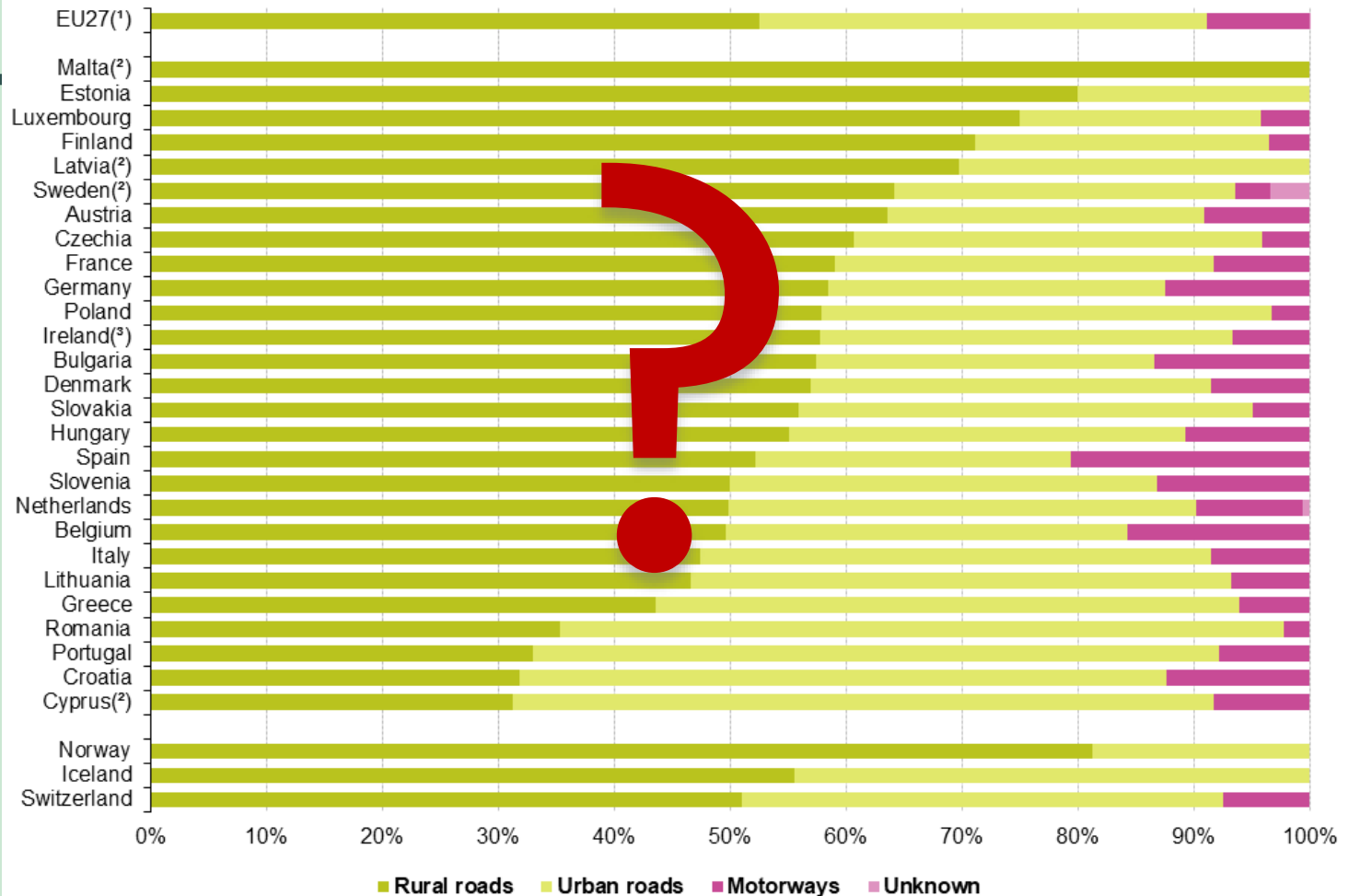
“The ASECAP accident data” covers road traffic accidents with **personal injury** that occur on tolled motorways. A road traffic accident with personal injury occurs when persons are injured or killed **as a result of road traffic** on roads with public traffic and **at least one vehicle in motion** was involved.

- Data excludes those deaths that are known not to have occurred "as a result of road traffic", e.g. as a result of suicide, heart attack or similar.
- Traffic fatalities are all persons who died of the consequences of an accident either at the scene of the accident or within 30 days of the accident.

KPI – Infrastructure Safety

- By type of road -> indicator for motorway density and not for safety
- By accident density -> indicator for traffic density
- By safety characteristics -> indicator for national design standards
- By user perception -> subjective data
- By population -> indicator for geographical location and industrial situation

Road accident fatalities by type of road, 2021
(%)



Note: Liechtenstein: no fatality.

(¹) Estimated.

(²) 2020 data instead of 2021.

(³) 2018 data instead of 2021.

Source: Eurostat (online data codes: tran_sf_roadro)

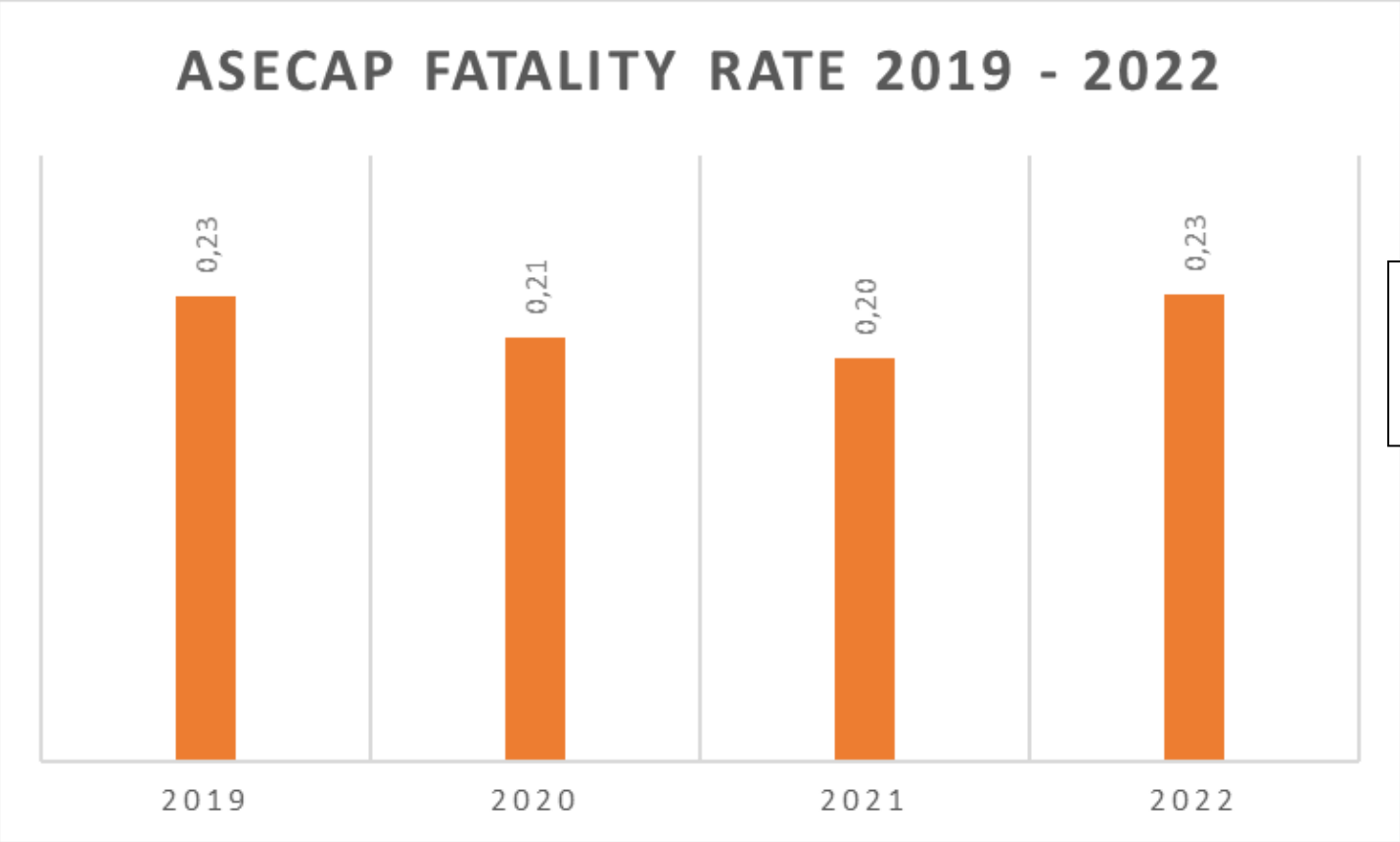
KPI – Motorway Infrastructur Safety

- KPI's that are based on distance travelled have higher values than those based on the length of the road network!

(EC Baseline 2023)

-> Fatality rate (Fatalities per distance travelled)

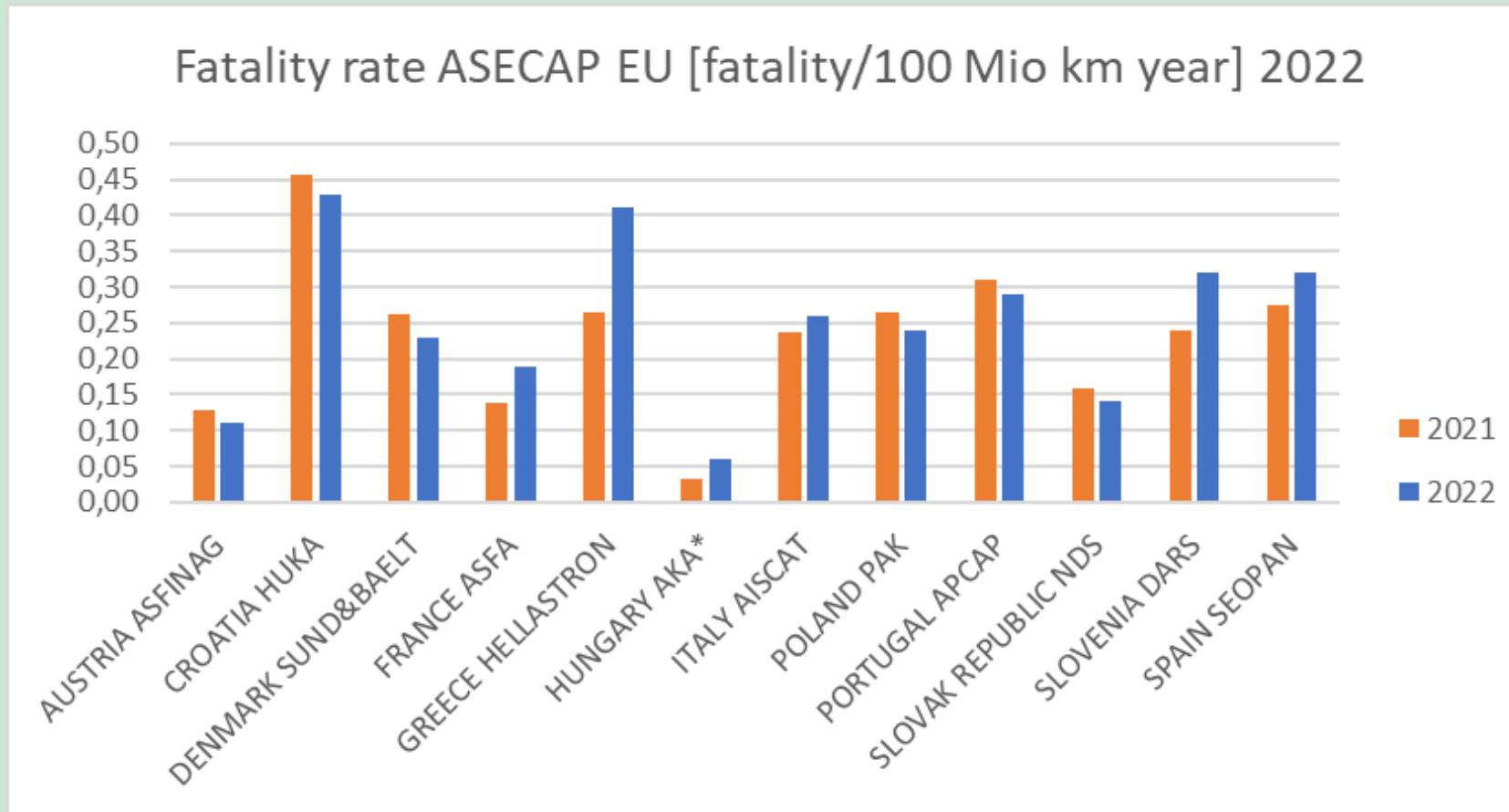
ASECAP statistic 2022



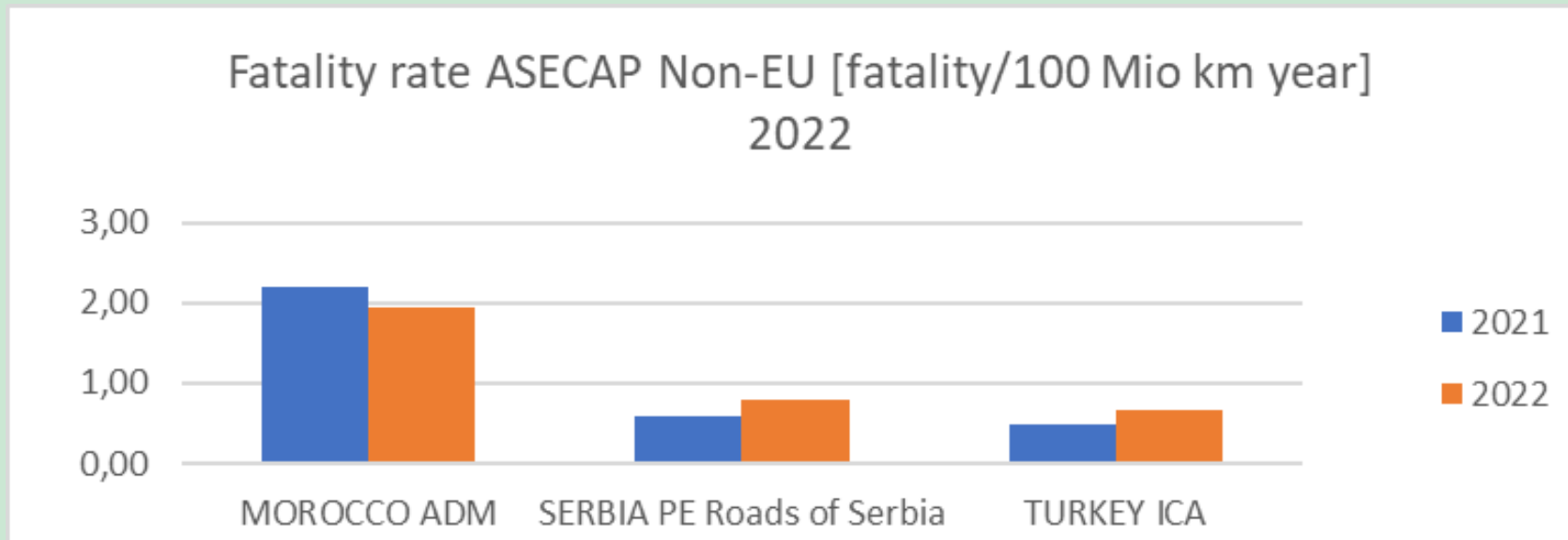
+ 15% increasing rate in relation to 2021

AUSTRIA ASFINAG, CROATIA HUKA, DENMARK SUND&BAELT, FRANCE ASFA,
GREECE HELLASTRON, ITALY AISCAT, POLAND PAK, PORTUGAL APCAP, SLOVAK
REPUBLIC NDS, SLOVENIA DARS, SPAIN SEOPAN

ASECAP statistic 2022



ASECAP statistic 2022



***Thank you for your
attention***

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