

TRANSPORT EMISSIONS EXPLAINED

for reasonable measures



iCARI.eu



TRANSPORT

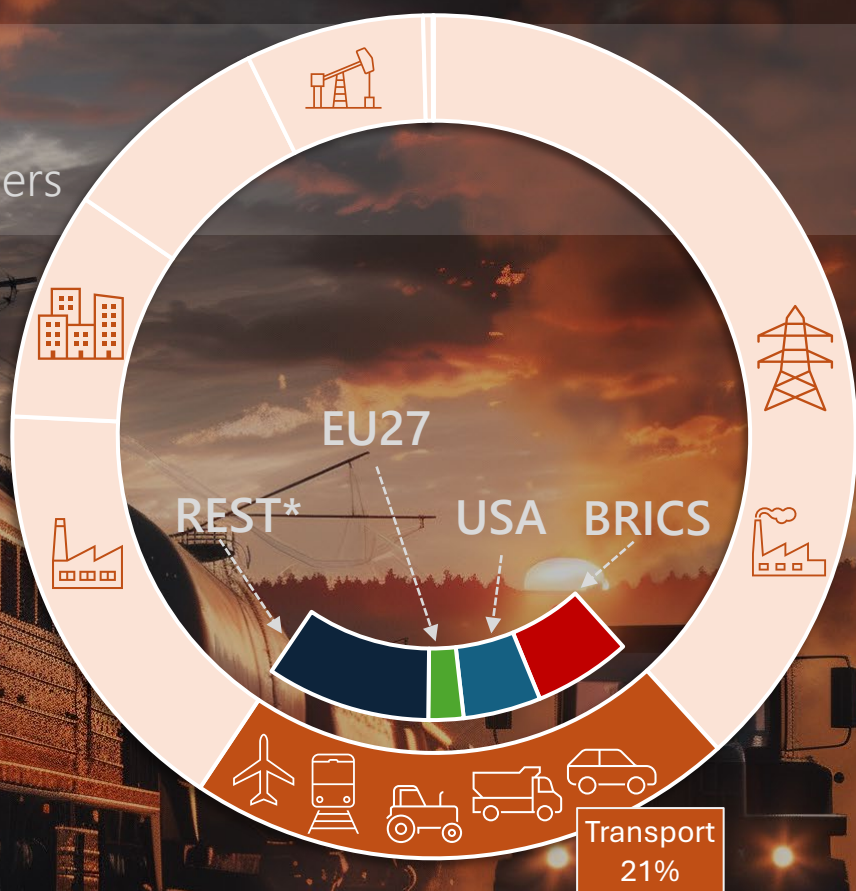
Incl. Int. Shipping and Aviation

UNFCCC 1.A.3:

Road transport, Civil Aviation,
Water-borne navy, Railways, Others

Share from Total Global CO₂
Emissions (2023)

Note:
REST = Rest of Countries



2014-23 trend (CO₂ emissions):

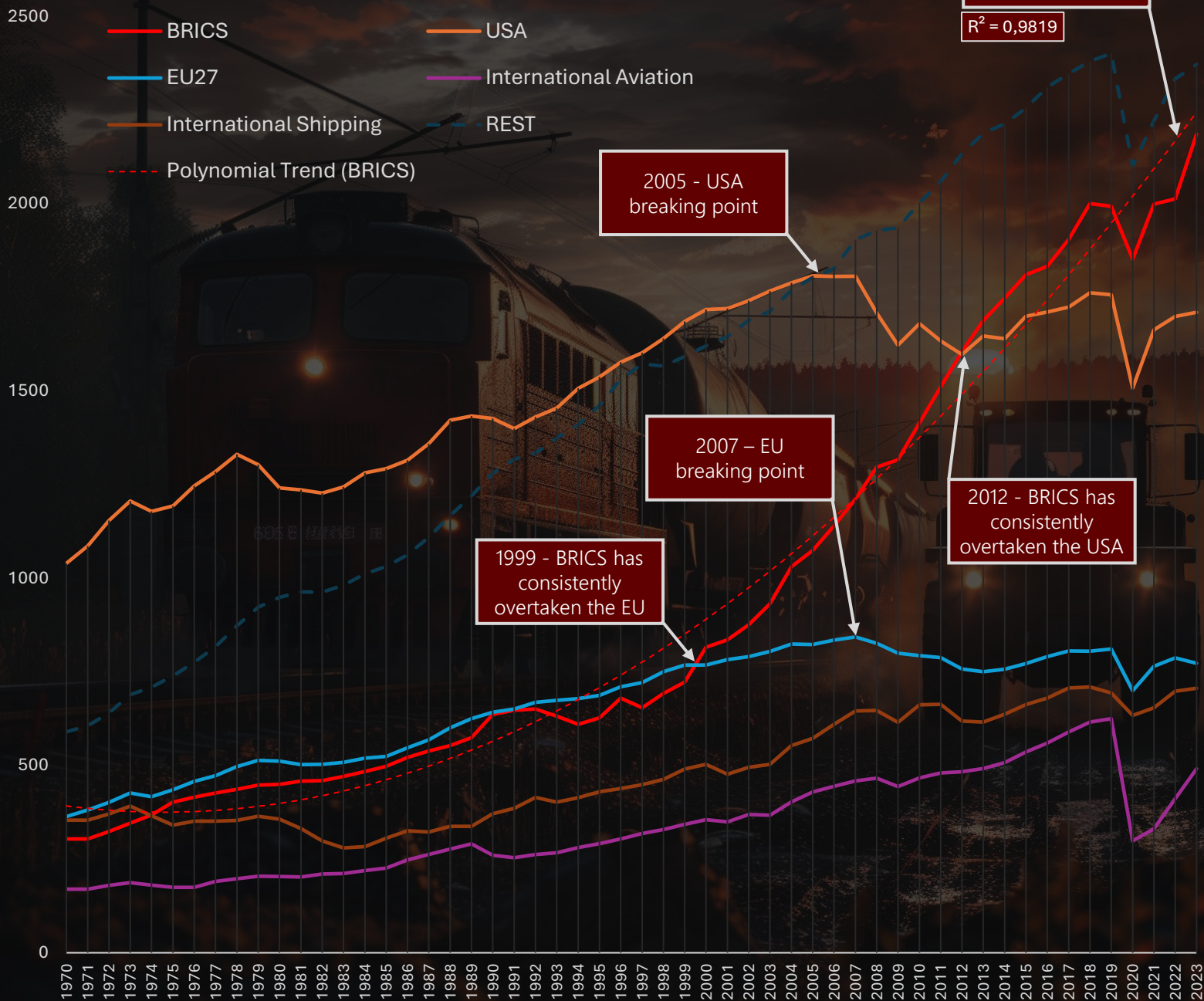


Emissions data sources: JRC/The Emissions Database for Global Atmospheric Research, ver.9 (SET/2024)



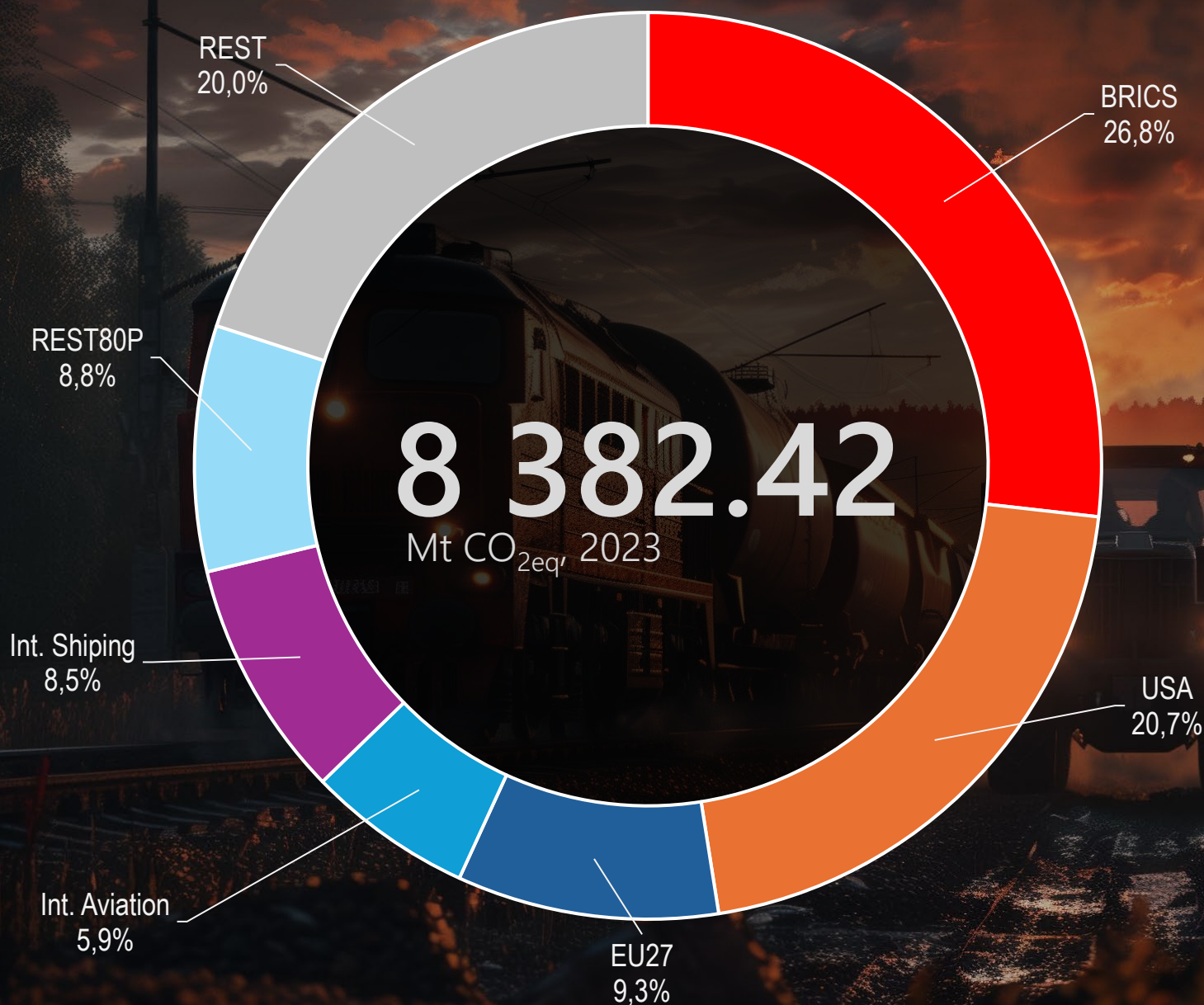
TRANSPORT – emissions from 1970

EMISSIONS (Mt CO₂)



TRANSPORT GHG Breakdown

Common view



Note:

REST80P = Rest of Countries in Pareto group (80% share of Total emissions)

REST = Rest of Countries

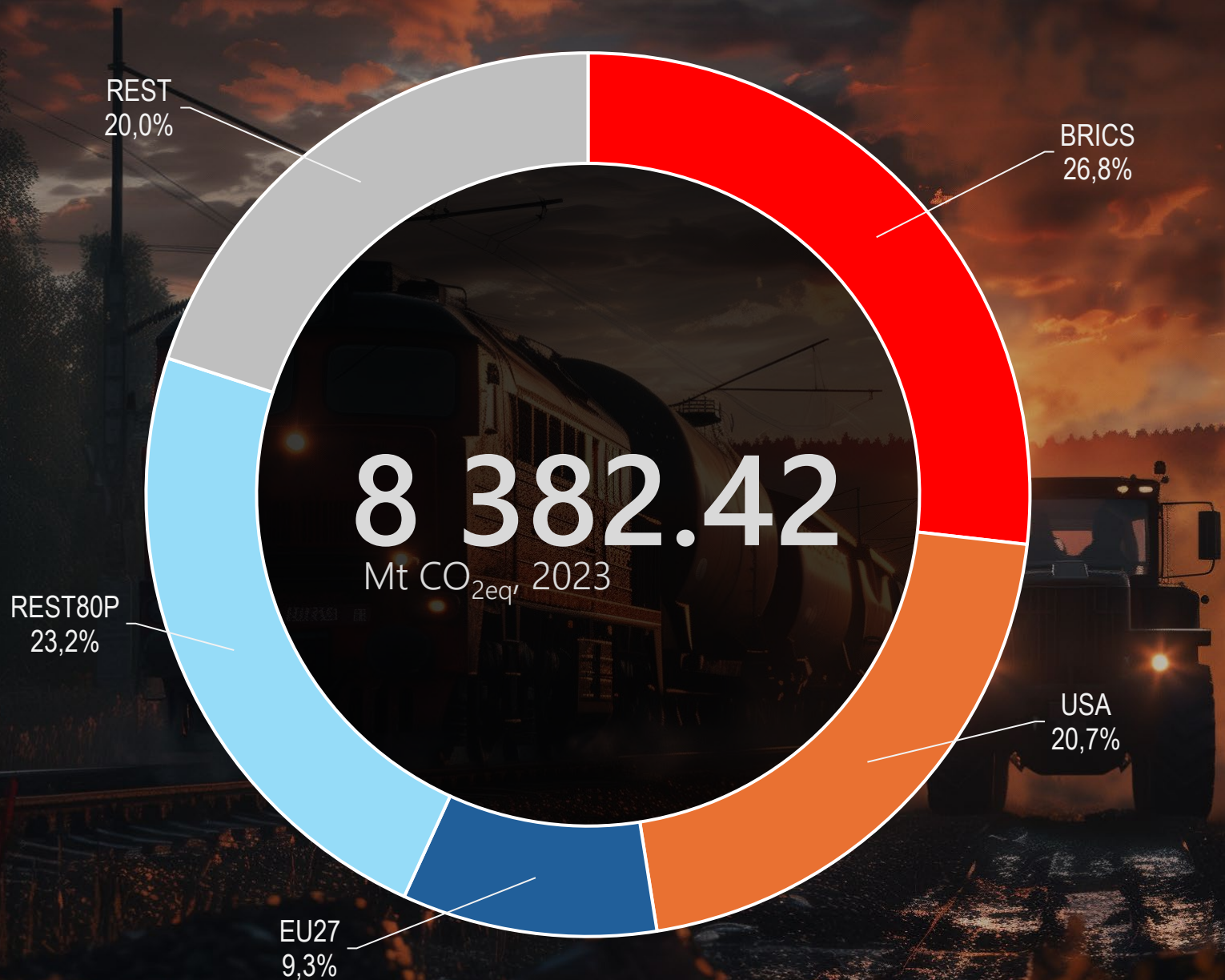


Emissions data sources: JRC/The Emissions Database for Global Atmospheric Research, ver.9 (SET/2024)



TRANSPORT GHG Breakdown

International Aviation and Shipping available in the REST80P group



Note:

REST80P = Rest of Countries in Pareto group (80% share of Total emissions)

REST = Rest of Countries

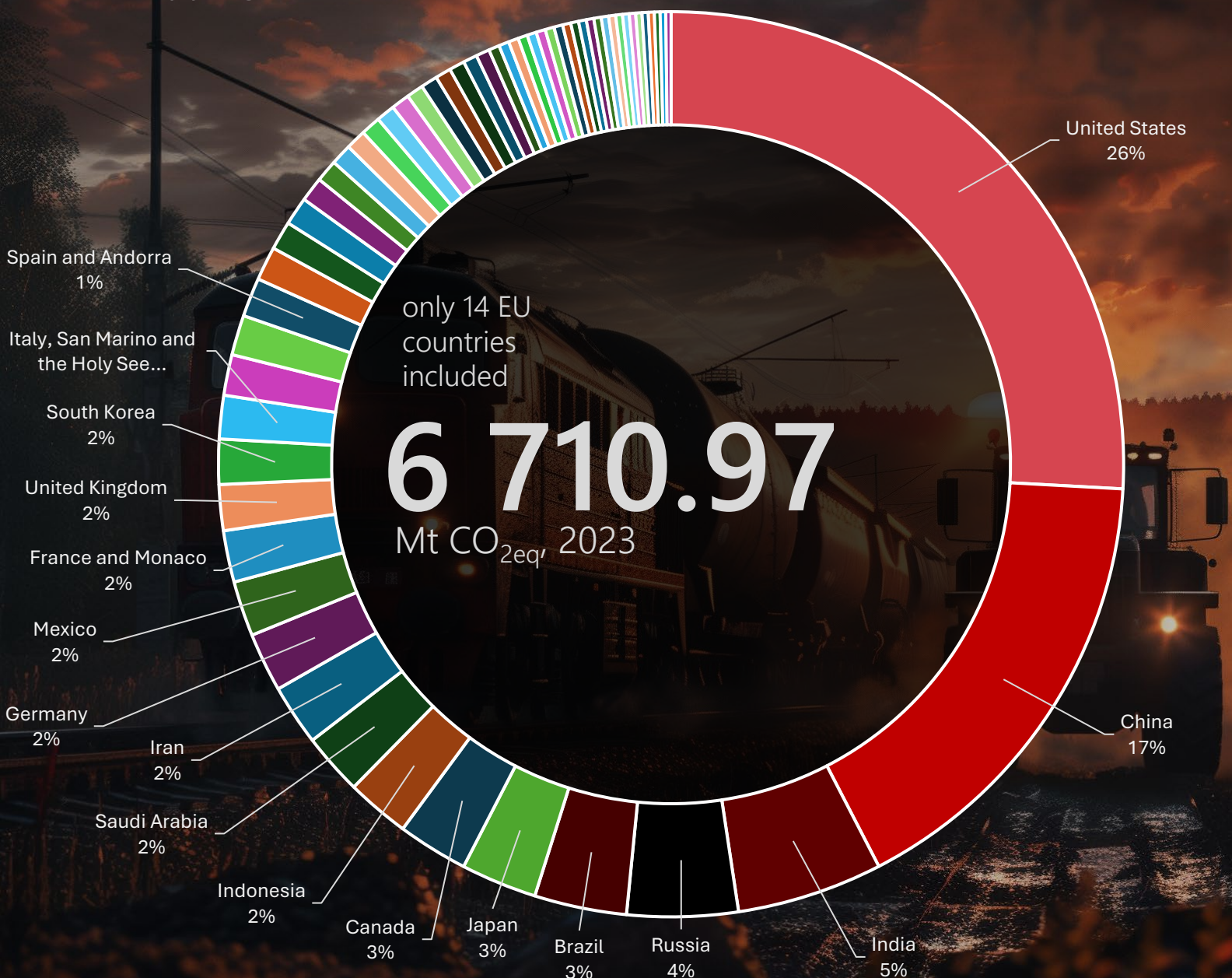


Emissions data sources: JRC/The Emissions Database for Global Atmospheric Research, ver.9 (SET/2024)



TRANSPORT Pareto group

80% of Total Transport Emissions by countries. International Aviation and Shipping excl.



USA is World leader and leader of the Pareto group as well
BRICS is the leading group within the Pareto group
The Pareto group contains 14 EU countries only.



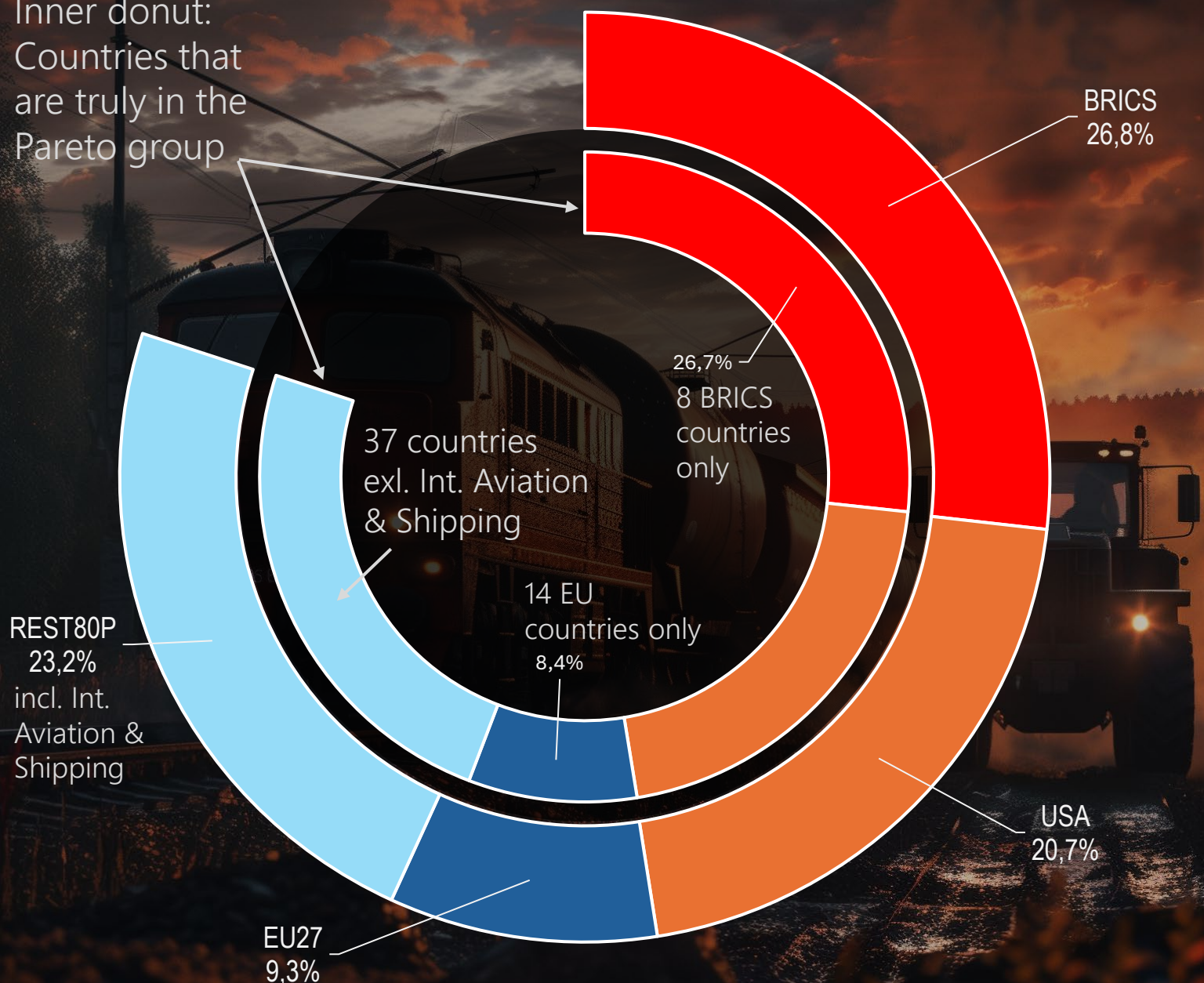
Emissions data sources: JRC/The Emissions Database for Global Atmospheric Research, ver.9 (SET/2024)



TRANSPORT Pareto group

80% of Total Transport Emissions by countries (2023)

Inner donut:
Countries that
are truly in the
Pareto group



Note:

REST80P = Rest of Countries in Pareto group (80% share of Total emissions)

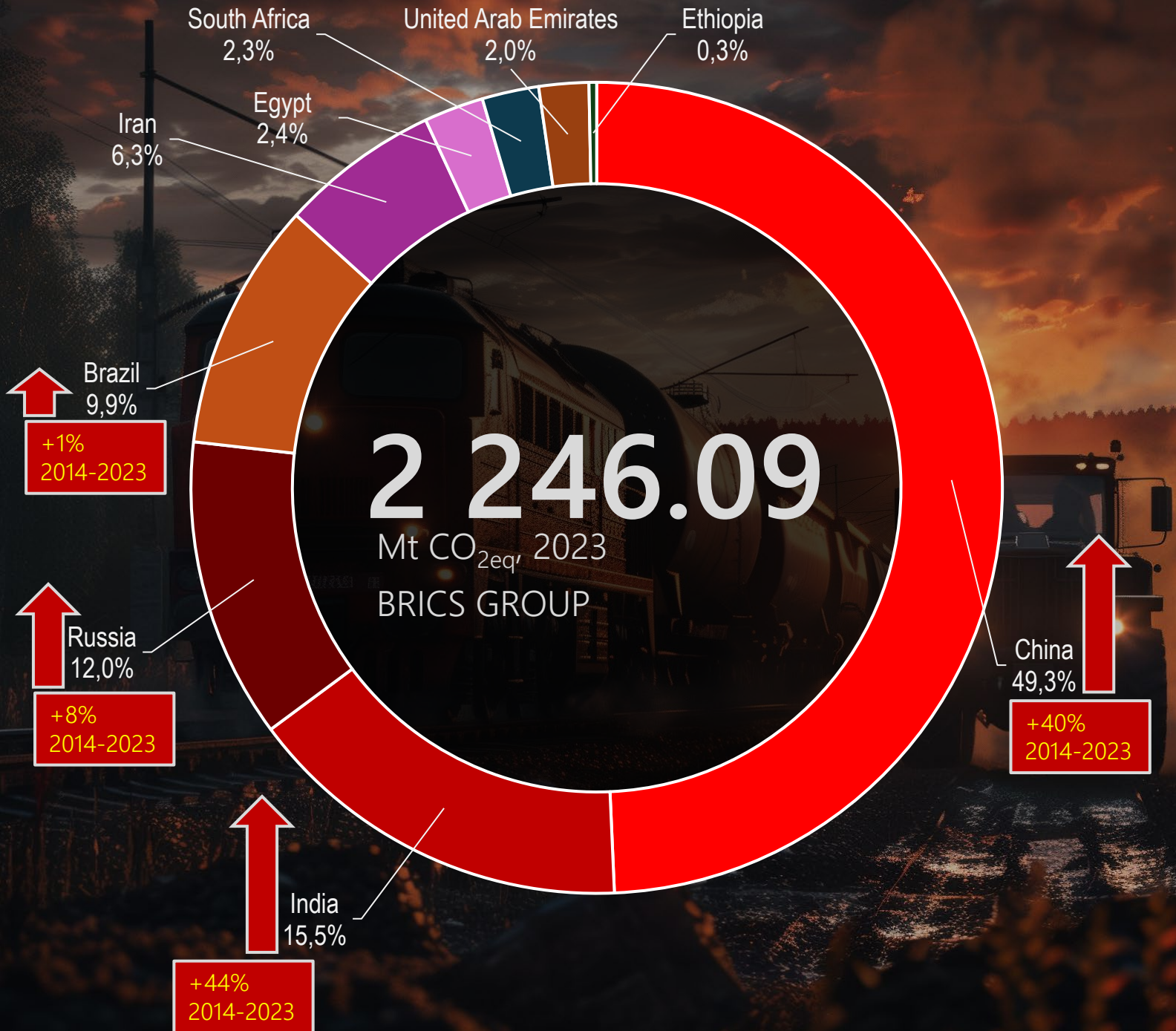
REST = Rest of Countries



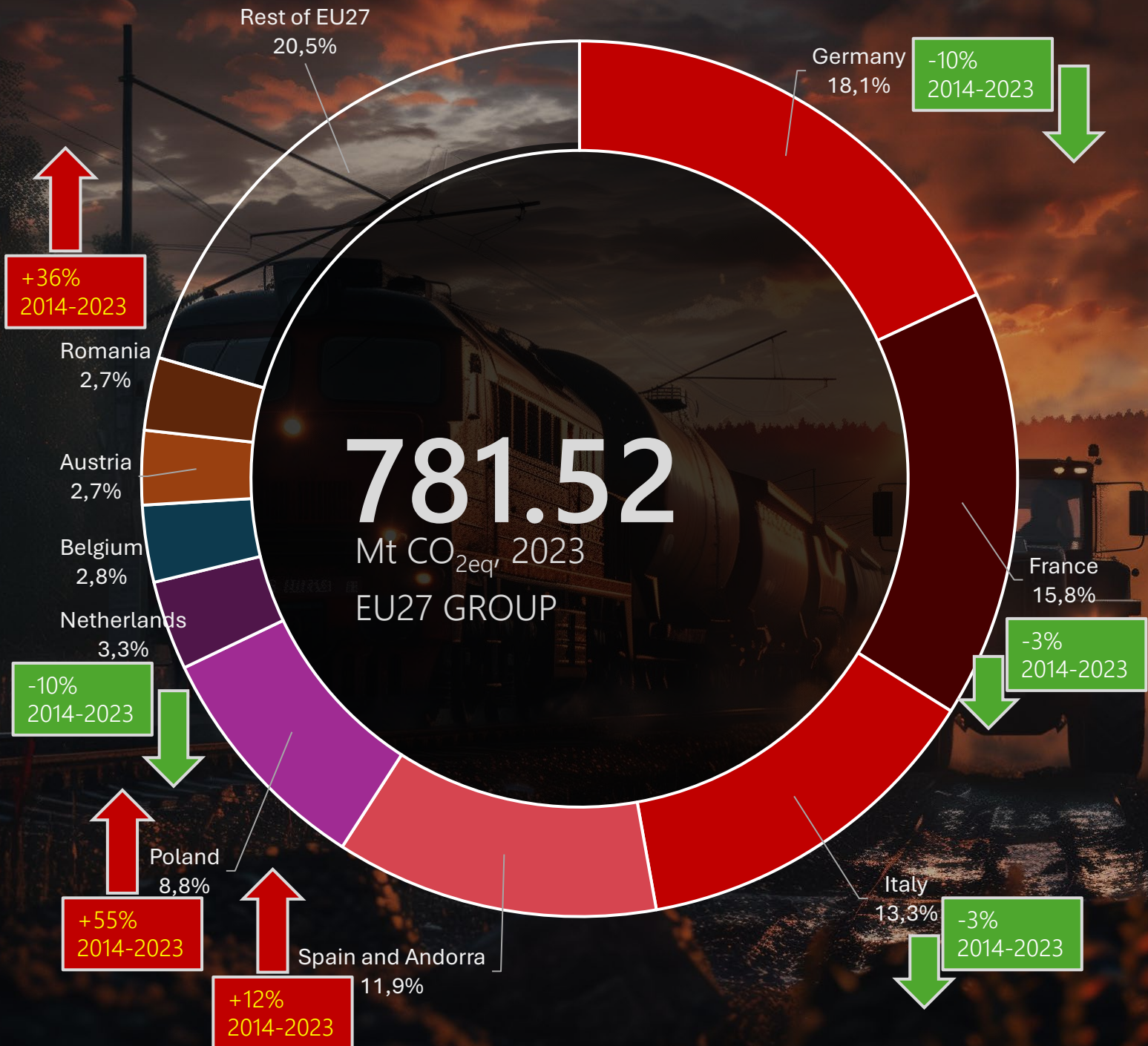
Emissions data sources: JRC/The Emissions Database for Global Atmospheric Research, ver.9 (SET/2024)



TRANSPORT – BRICS breakdown



TRANSPORT – EU27 breakdown



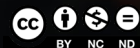
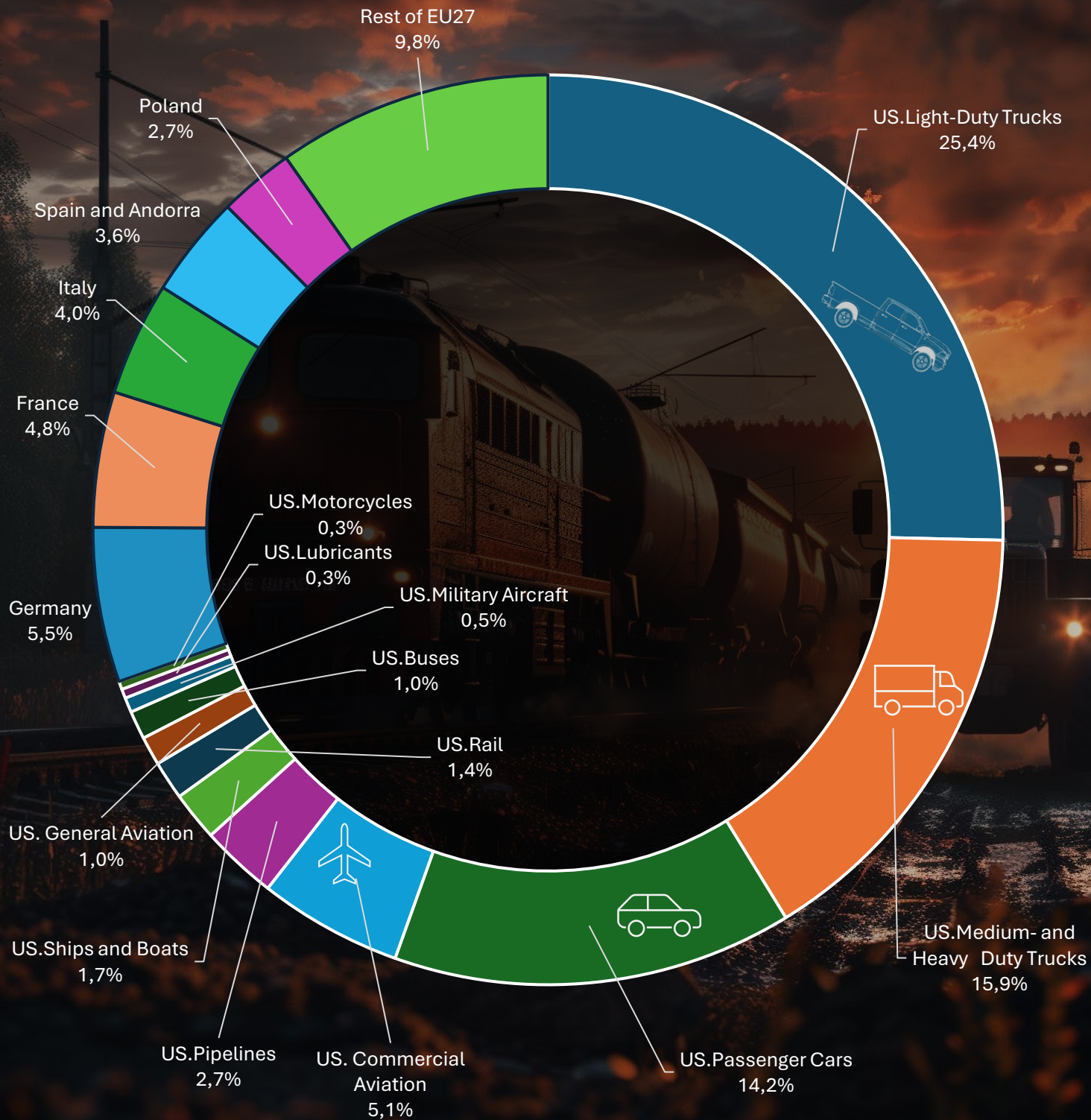
EU27: 34.8% of BRICS Transport emissions
EU27: 45.0% of USA Transport emissions



Emissions data sources: JRC/The Emissions Database for Global Atmospheric Research, ver.9 (SET/2024)

TRANSPORT – USA vs. EU27

CO₂ emissions USA (segments) vs TOP polluters from EU27



Emissions data sources: JRC/The Emissions Database for Global Atmospheric Research, ver.9 (SET/2024), EPA.gov

If this world wants to reduce emissions in the Transport segment, we should start using more **data than feelings.**



This will allow us to create **meaningful measures** and not the shooting in the dark that we are currently witnessing.



Climate change needs nothing at all

WE need to **THINK**

TO ADAPT

adapt to changes
which are already here and coming and will come.
And at the same time **sensibly** reduce emissions



We understand both
research and business.

That is why we succeed
in being a
Trusted
advisor.





ADAPTATION

REASONABLE through 360°

international
Climate Adaptation Research Institute

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Research Climate adaptation Application to practice without Greenwashing