



12 - 13 November 2019, Budapest



FLY OR NOT TO FLY?

Prof. Tony KAZDA



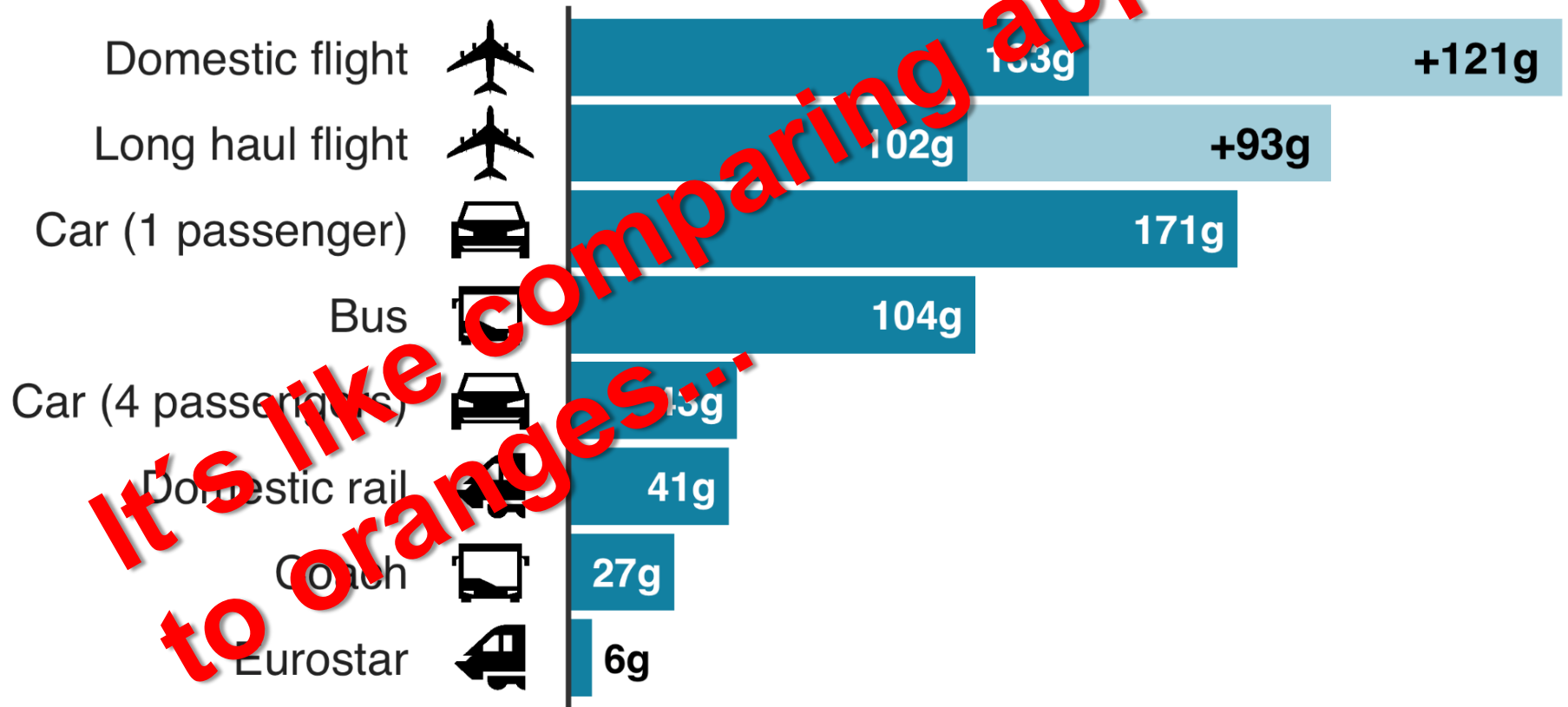
**University of Chemistry and
Technology, Prague
Faculty of Environmental Technology**

**Life cycle assessment of
different shopping bags**

Emissions from different modes of transport

Emissions per passenger per km travelled

■ CO2 emissions ■ Secondary effects from high altitude, non-CO2 emissions

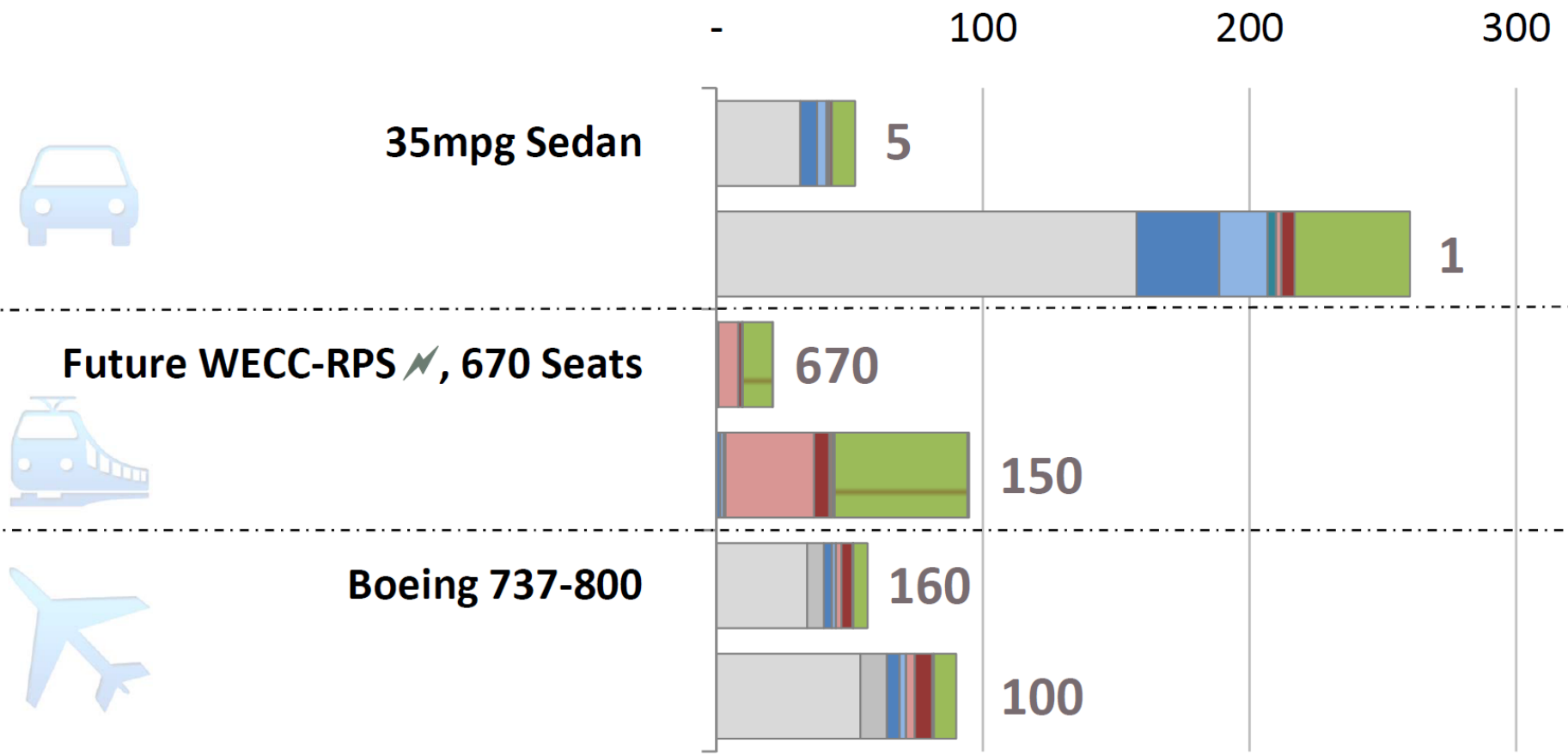


Note: Car refers to average diesel car



Flygskam = Flight shame

Greenhouse Gas Emissions in Grams CO₂e per PKT



- Vehicle Operation
- Vehicle Manufacturing
- Vehicle Maintenance
- Vehicle Insurance
- Infrastructure Construction
- Infrastructure Operation
- Infrastructure Maintenance
- Infrastructure Parking
- Infrastructure Insurance
- Energy Production



STOP!

bilbi bin ikjklqsh hsq

?

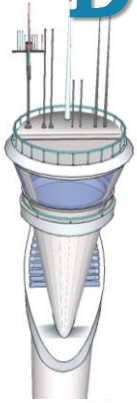
I only need to outrun you!





... ALSO TIME HAS VALUE

STAKEHOLDERS IN AVIATION DON'T COOPERATE ENOUGH IN ENVIRONMENTAL ISSUES



ATM – ‘we optimise routes’



Airports – ‘we are carbon neutral’

AIRPORT

‘noise is from a/c’



Airlines - *We feel so sorry for you*



Danger CO₂W

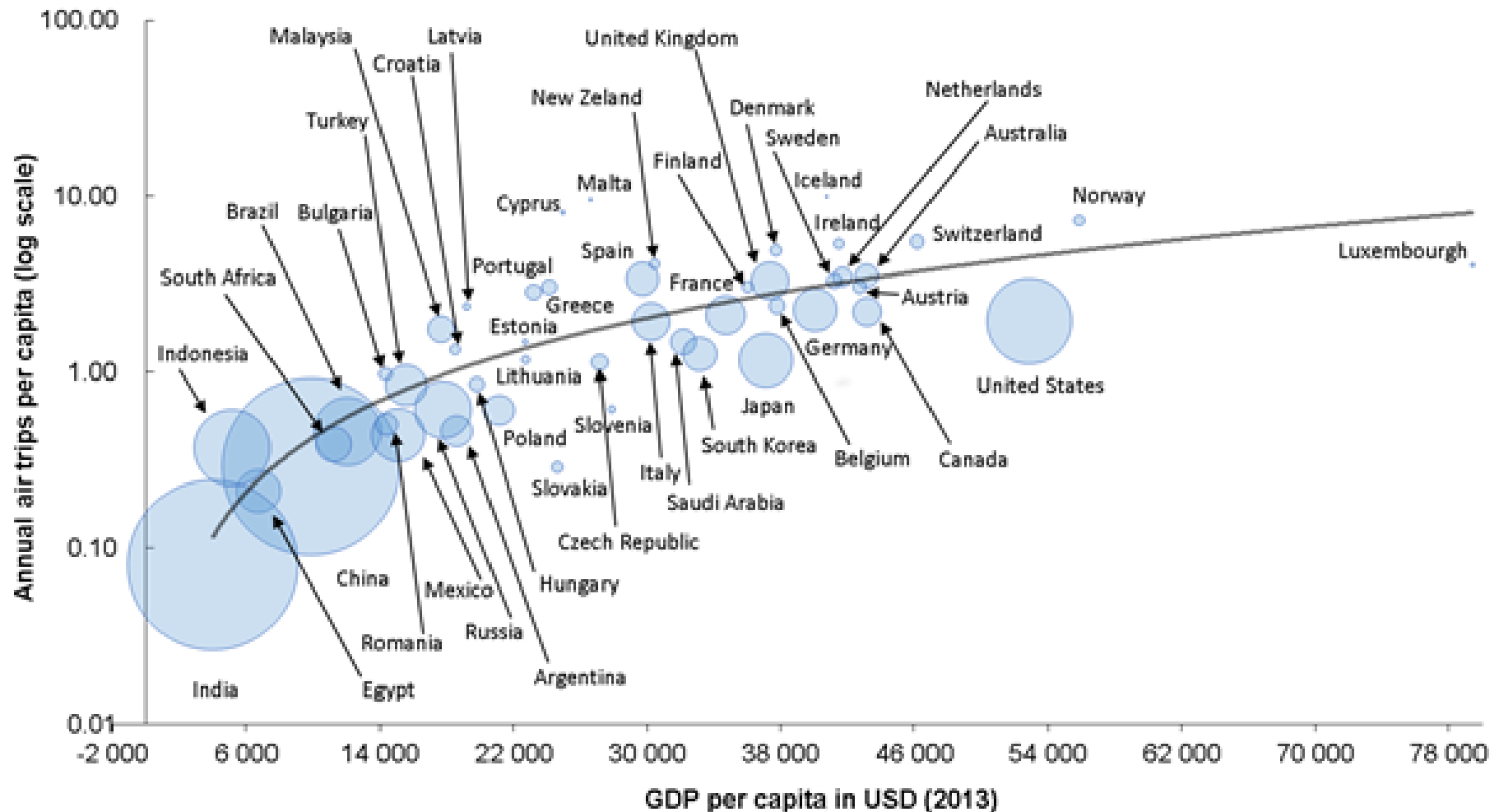
Climate change is a real problem and airlines are partly responsible.

Air transport produces 2% of global CO₂ emissions. But it might surprise you to know that this is actually less than the CO₂ produced worldwide by cattle.

Nevertheless, we're working hard to limit the environmental impact of flying by investing in new, more fuel-efficient aircraft and pushing for shorter routes and improved air traffic control.

Malév - on board magazine 2008

PROPENSITY TO FLY



PROTECTING OUR PLANET STARTS WITH YOU



BIKE MORE DRIVE LESS



EDUCATE

When you further your own education, you can help others understand the importance and value of our natural resources.

Volunteer!



Volunteer for cleanups in your community. You can get involved in protecting your watershed too!



reduce REUSE recycle

Cut down on what you throw away. Follow the three "R's" to conserve natural resources and landfill space.

CONSERVE WATER



The less water you use, the less runoff and wastewater that eventually end up in the ocean.

choose sustainable



Learn how to make smart seafood choices at www.FishWatch.gov.

Trees provide food and oxygen. They help save energy, clean the air, and help combat climate change.



PLANT A TREE



Buy less plastic and bring a reusable shopping bag.



Don't send chemicals into our waterways.

Choose nontoxic chemicals in the home and office.



Long-lasting light bulbs - ARE A - BRIGHT IDEA

Energy efficient light bulbs reduce greenhouse gas emissions. Also flip the light switch off when you leave the room!





Save Water.
Shower Together.

Save the planet 🌍 ~Savagery~