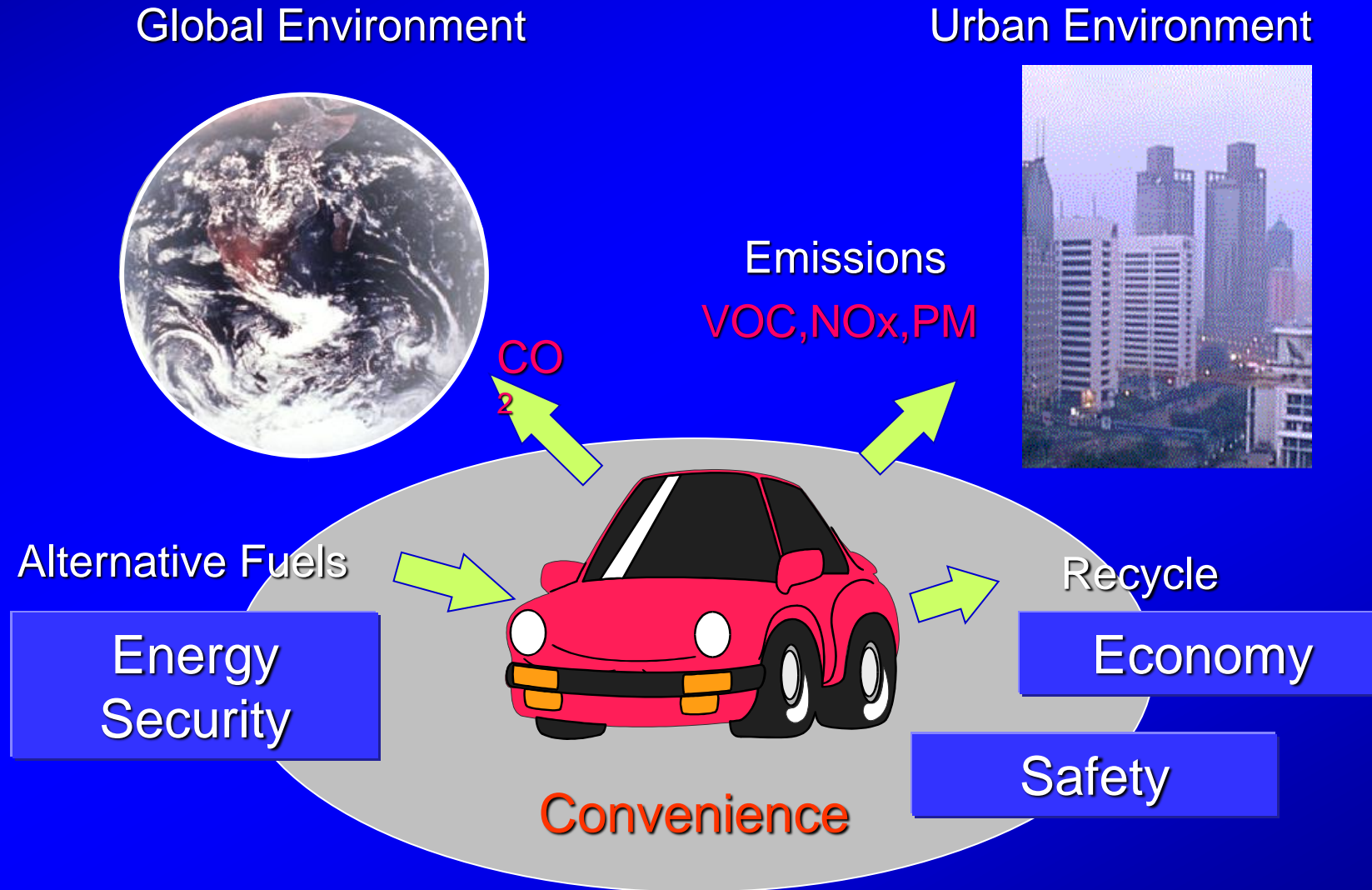


Guiding Principles for Africa

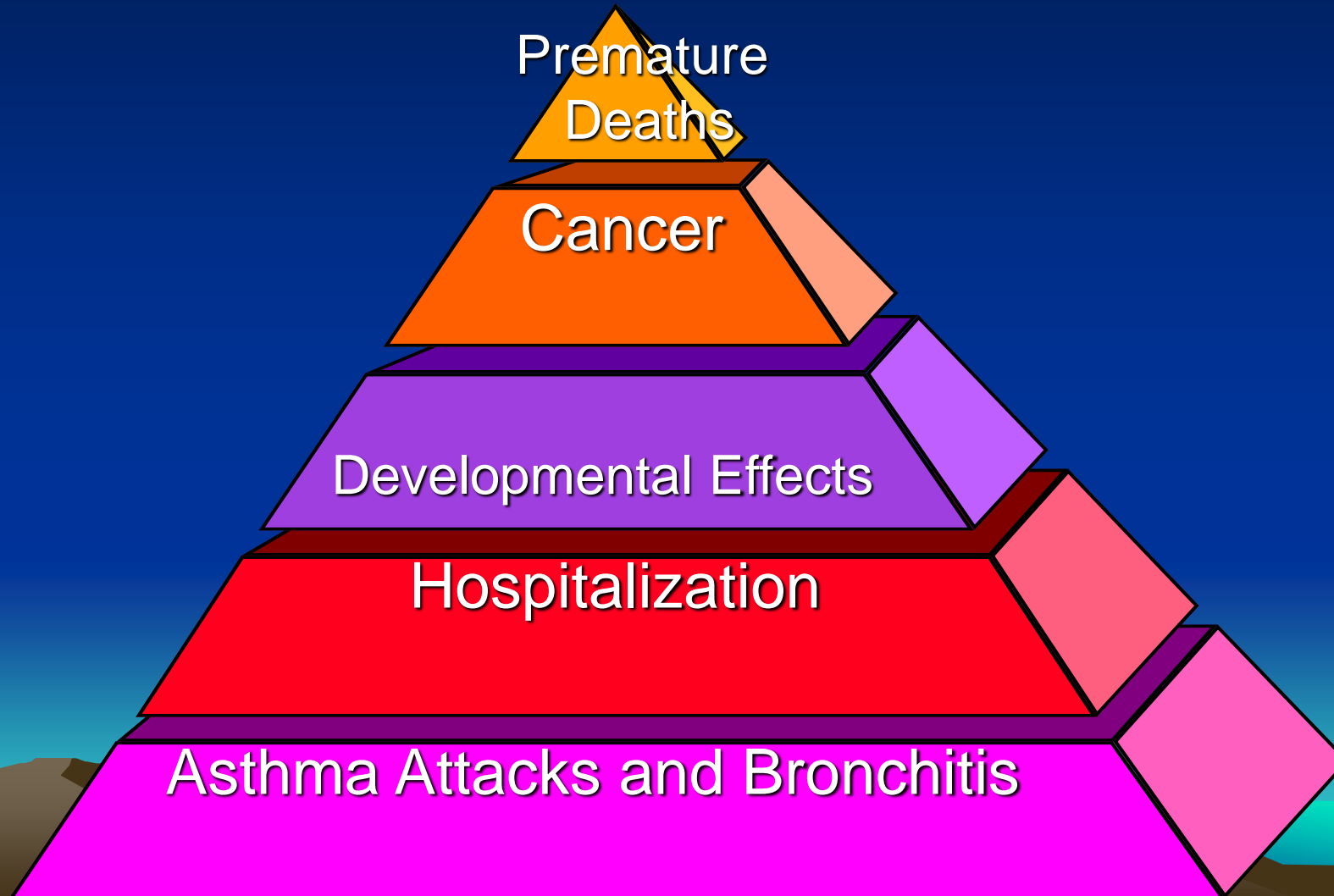
Roadmap for Clean Air and Clean Vehicles



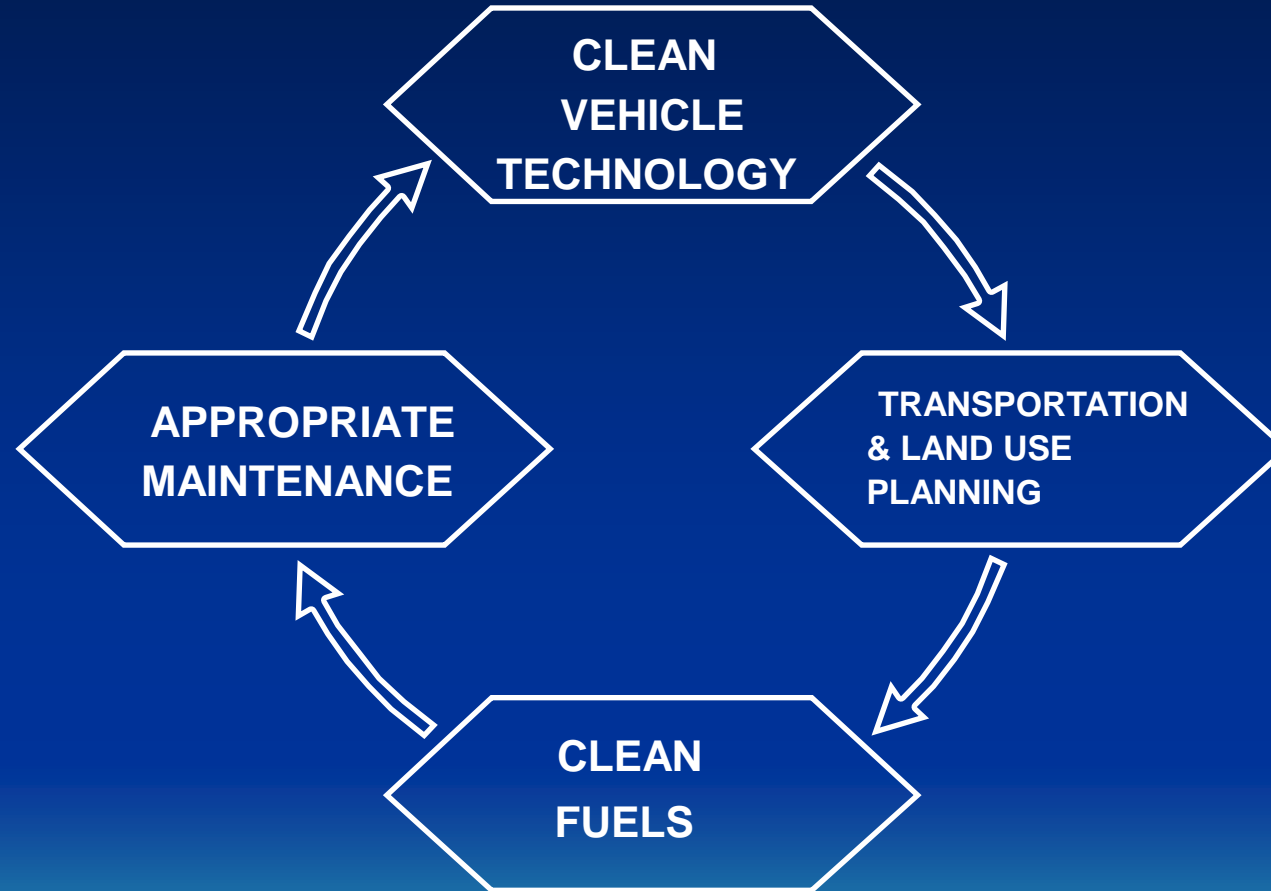
Automobiles and the Environment



Health Impacts of Air Pollution Are Broad and Life Threatening



ELEMENTS OF A COMPREHENSIVE VEHICLE POLLUTION CONTROL STRATEGY



Why Are Fuels Important?

- Fuel Constituents **Directly Affect** Emissions
- Fuel Changes Can **Immediately Impact** on Emissions/Air Quality
- Fuel Composition Can **Enable/Disable** Pollution Control Technology

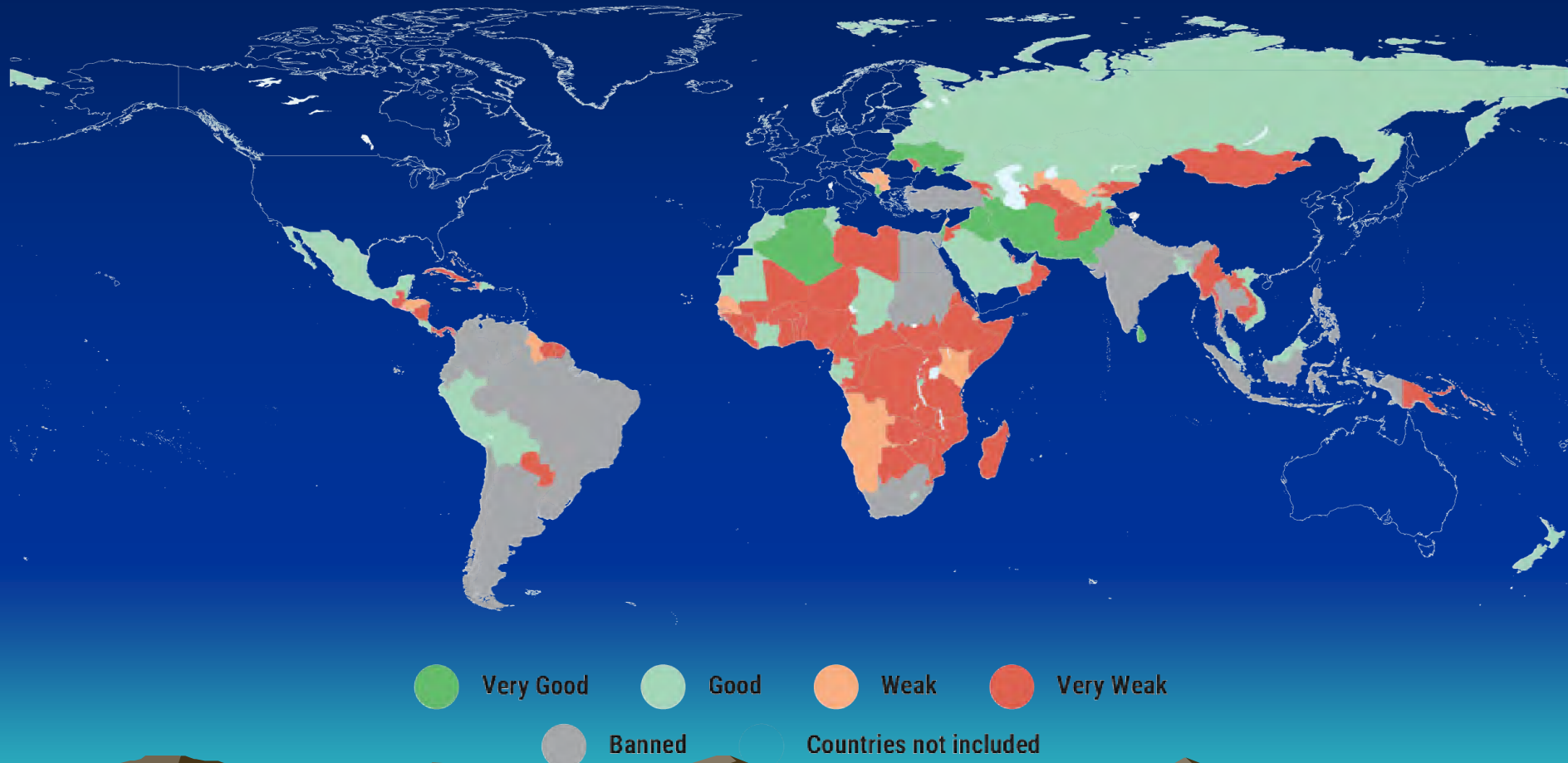


Bellagio Principles

- Design Programs & Policies That Reduce Conventional, Toxic, Noise and Greenhouse Emissions in Parallel
- Treat Vehicles and Fuels As A System
- Expect & Require Best Technologies and Fuels Worldwide – in Both Industrialized and Developing Countries



The Current Regulatory Environment For Used Vehicles



Source: UNEP, based on data collected from the 146 countries analysed, July 2020

Conclusions

- The health impacts of vehicles are very significant and without aggressive action are likely growing.
- Stringent vehicle emissions standards combined with clean **lead free** and low sulfur fuels will be a major step towards improving air quality and reducing health impacts.
- Even in economic terms, the benefits of clean vehicles and fuels will far outweigh the costs.
- Countries which import used vehicles face special challenges.



Key Recommendations To Address Used Imported Vehicles

-
- **At global and /or regional level, harmonized regulations should be developed that regulate the trade in used vehicles** to put an end to the trade of obsolete, unsafe, dirty, and faulty used vehicles. The regulation should encompass measures to ensure used vehicles make meaningful contributions towards shifting to cleaner, safer, and affordable mobility.
-
- Regulations should be gradually tightened in the coming decade. **Used low and Zero emissions vehicles should be promoted as an affordable way for middle- and low-income countries to access advanced technologies.**
-
- **Exporting and importing countries have a shared responsibility** to improve and regulate used vehicles to minimize their negative impacts.
-
- A strong **implementation and enforcement mechanism** should be introduced to check compliance and enforcement of the agreed regulations.

