

Sustainable co-mobility and climate action in growing economies

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Agenda

Setting the scene: a 2 degree world

South Pole Group: 1-minute introduction

Driving with clean electricity

Climate neutral drives

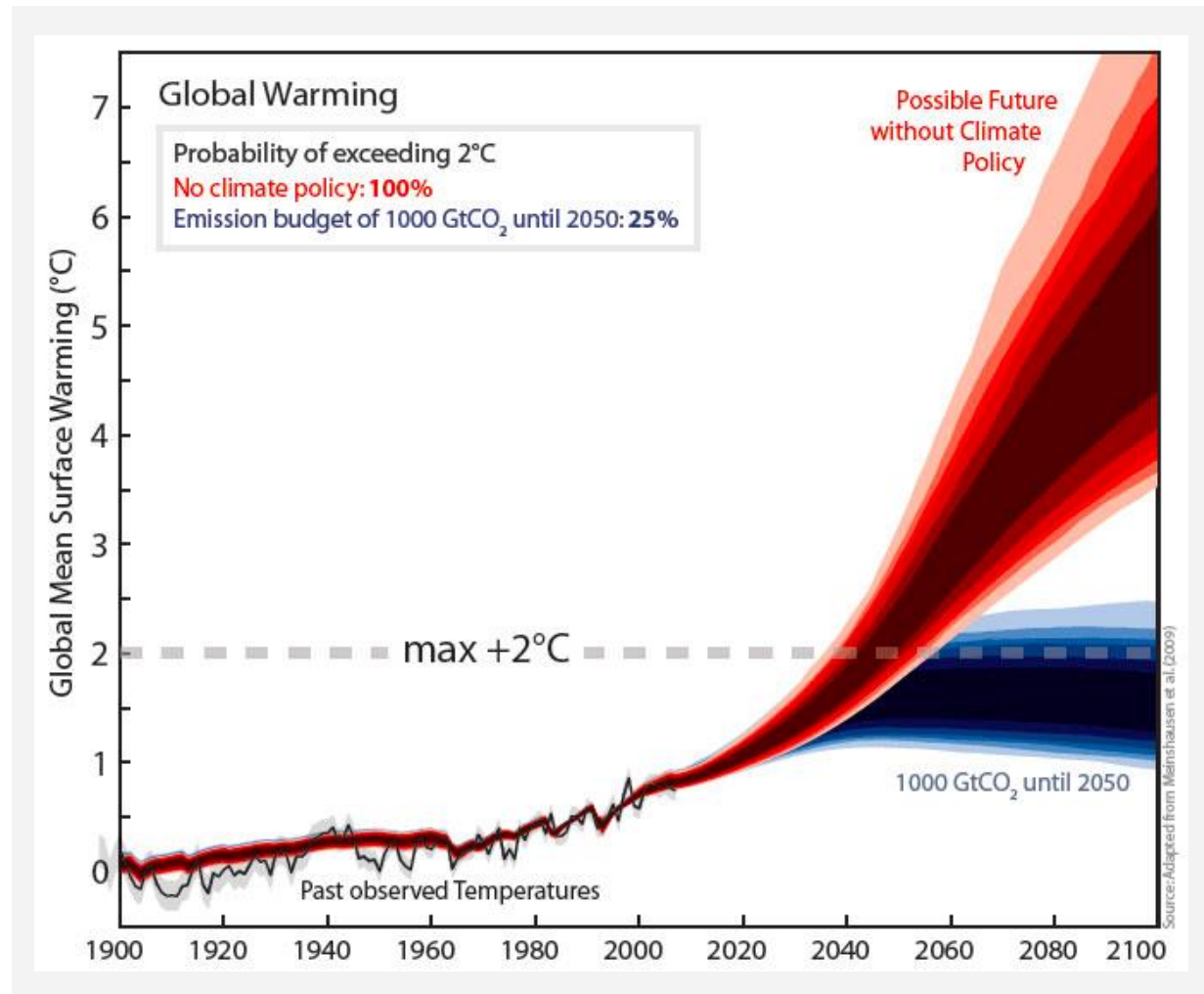
Supporting low-carbon cities

Setting the scene: a 2 degree world



The role of transport in global warming

- **23%** of global greenhouse gas (GHG) emissions (IPCC, eurostat)
- Reduce CO₂ emissions by a minimum of **50%** by 2050 latest (UNFCCC)
- Car-sharing can save **10%** of GHG emissions (Shaheen, 2016)



South Pole Group in 1 minute



Developing solutions worldwide



Regional office



Headquarters



Representations



Climate impact/renewable energy projects

Impact over the last 10 years

Created
500+ projects



Saved 80 million
tonnes of CO₂



Measured USD 50 bn+
of investments



Impact over the last 10 years



Created over
70,000 jobs



Saved 55,000+
hectares of forest



Enabled 100,000 GWh
of renewable energy

Driving with clean electricity



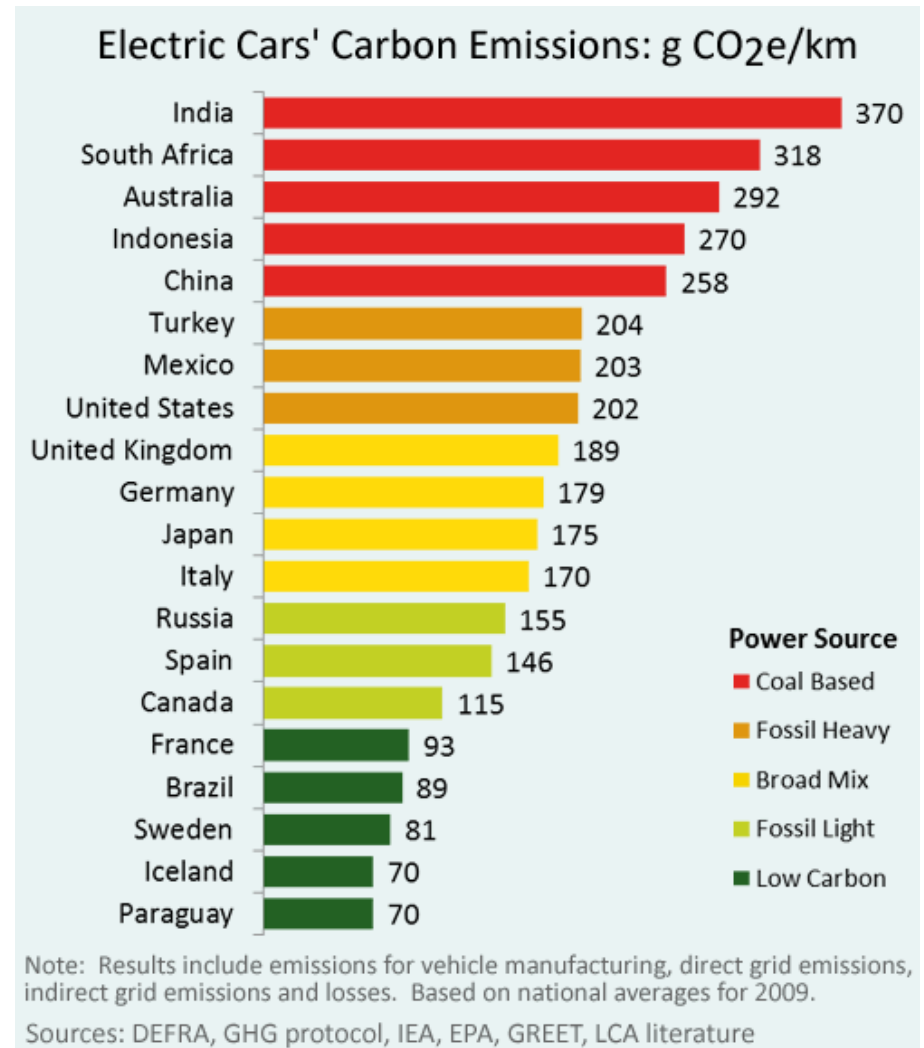
Electric vehicles (EVs) to reduce pollution

- China: EV sales increased **223%** in 2015 (CleanTechnica)
- Colombia: **50%** of Bogota's taxi fleet in next 10 years (Marchán & Viscidi, 2015)
- Singapore: **1000** EVs for car-sharing program by 2020 (Land Transport Authority)



Enabling EVs to drive with zero net emissions

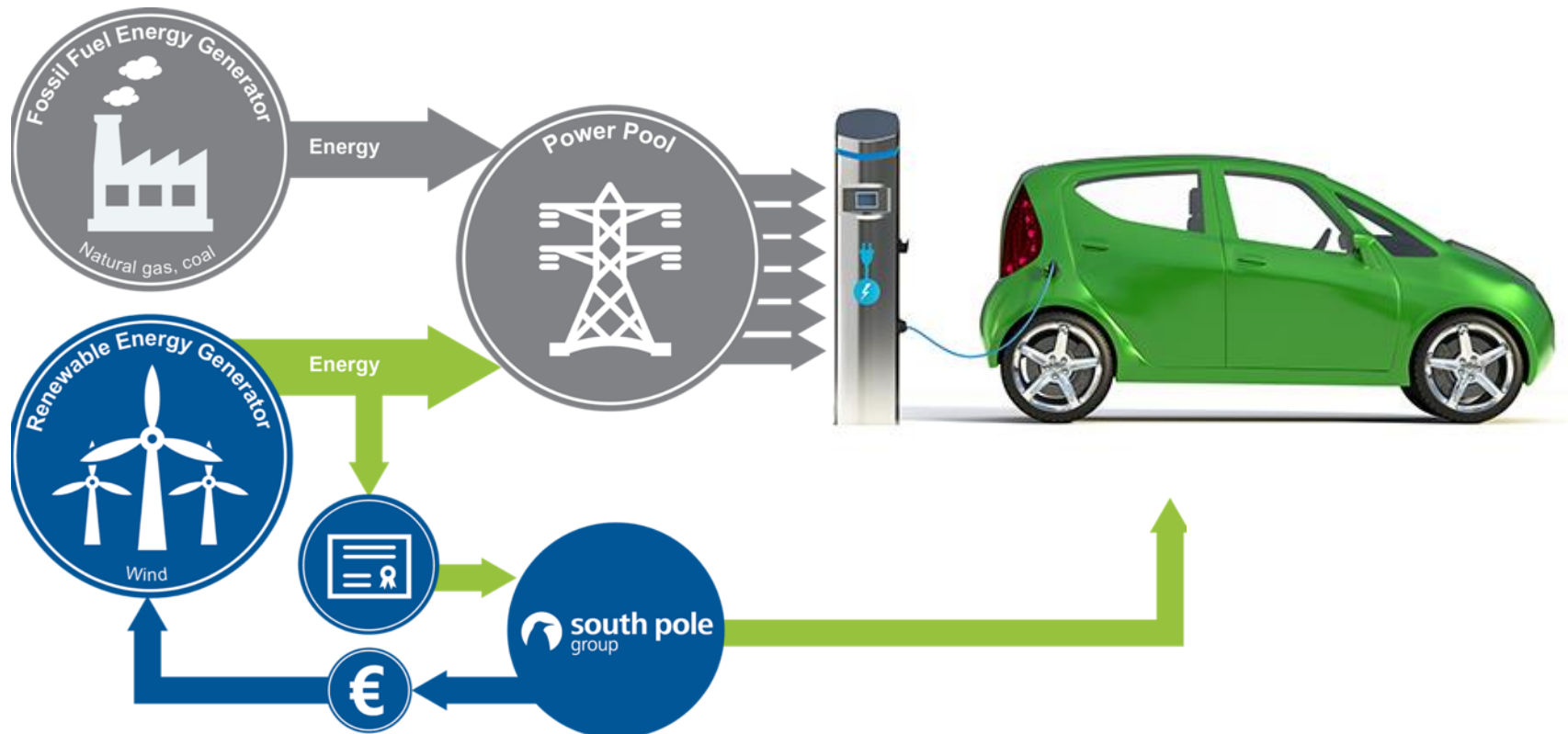
- Electricity stems from the local grid, powered by an **energy mix**
- **Coal-based** = like a normal car
- **Solution**: matching electricity consumption with **Guarantees of Origin (GOs)**



Source: shrinkthatfootprint.com

How do Guarantees of Origin work?

- 1 Guarantee of Origin = **environmental benefits** of 1 MWh clean energy



Climate neutral drives



Climate pioneers in co-mobility

- Customers care about **minimising their impact on the environment**
- Many co-mobility providers are already **taking climate action**
- **Compensating CO₂ emissions**



How to offer carbon neutral rides?



- Support impactful projects that **prevent emissions**
- Promote the development of **clean energy** or protection of **ecosystems**
- Projects with **additional** socio-economic and health **benefits**

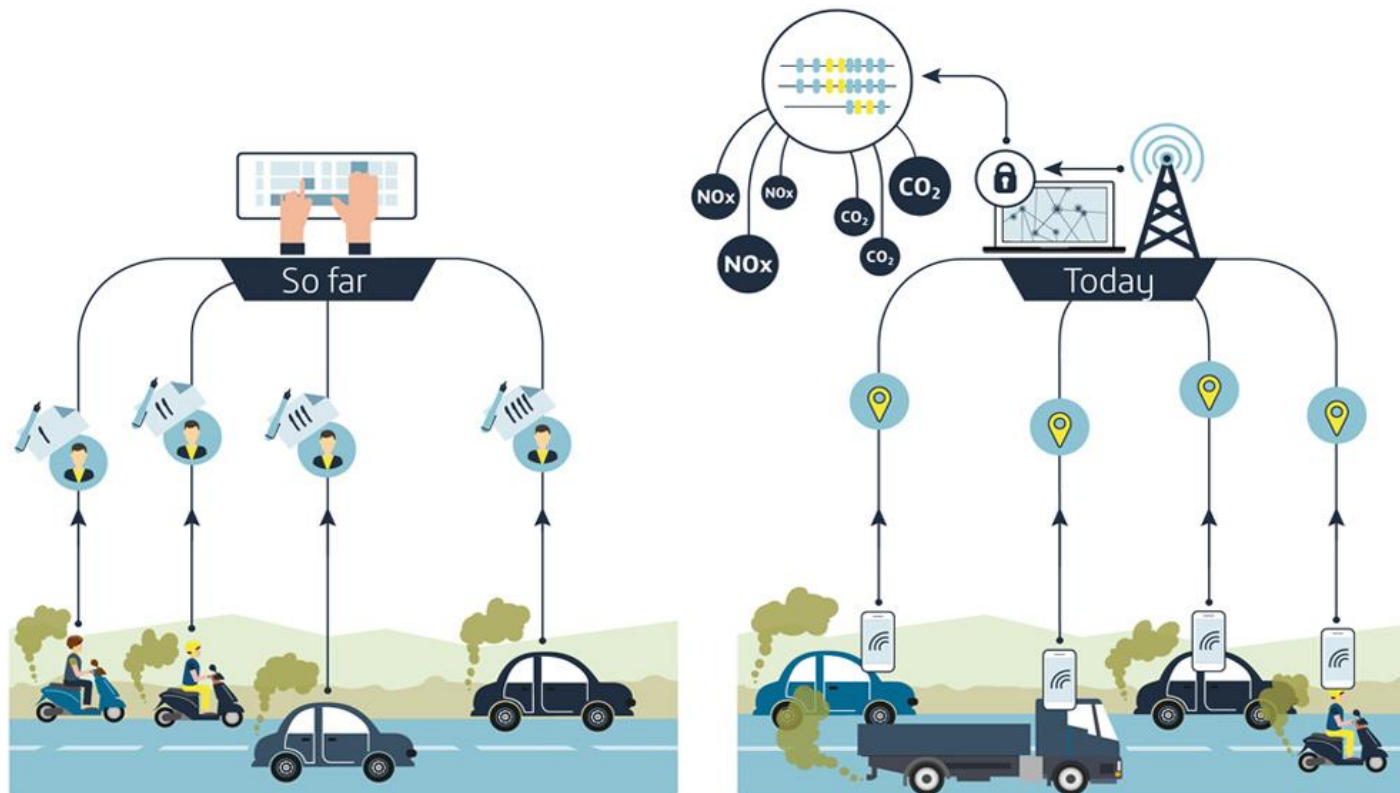


Supporting low-carbon cities



Partnerships to reduce emissions in cities

- Use **mobile data** to measure emissions and **map pollution**
- Software to **increase the utilisation of shared vehicles** and bicycles
- **Results-based finance** to implement low-carbon transport strategies



Thank you!



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