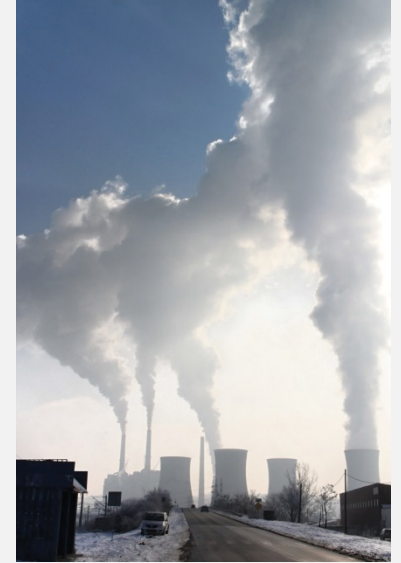# Policy ambitions

Prof. Dr. Margot Weijnen, Delft University of Technology

Why is government intervention justified?

Pollution and (Un)Sustainability
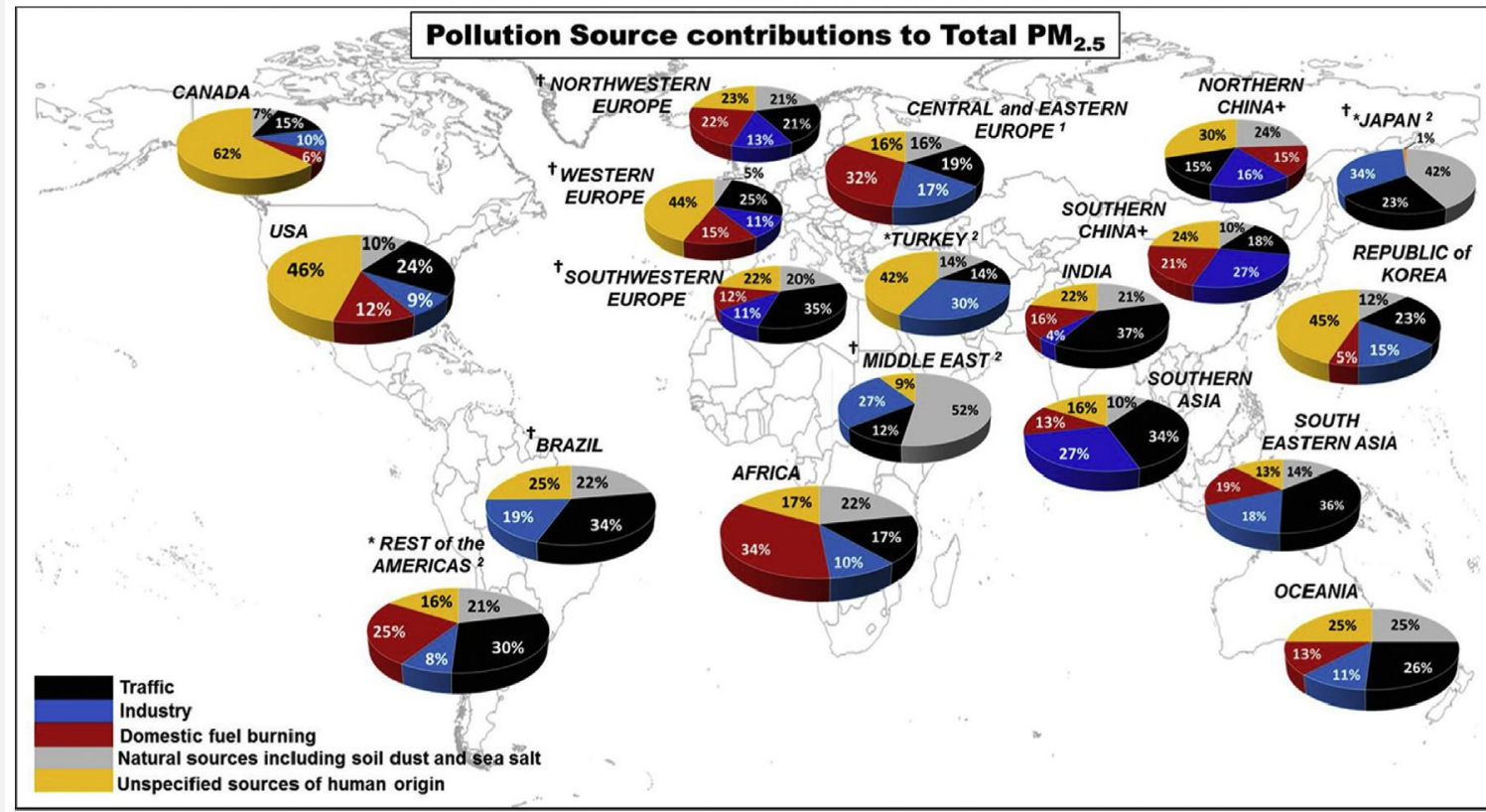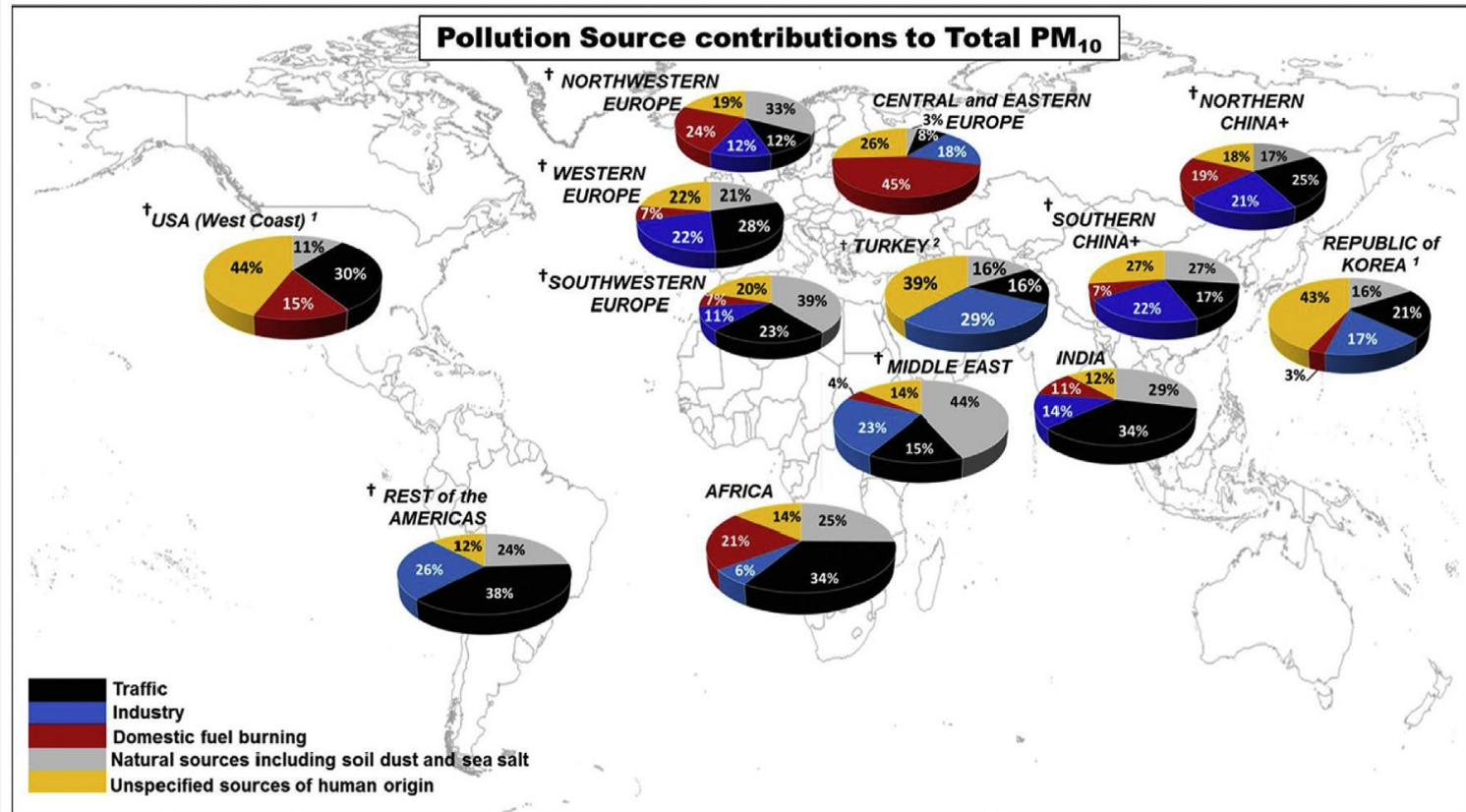
Policy ambitions

Public health policy

Particulate matter (PM) pollution

Pollution Source contributions to Total PM$_{2.5}$

Particulate matter (PM) pollution

Pollution Source contributions to Total PM₁₀

Population in urban areas

Year	Urban population	% of world population in urban areas
1950	746 million	30
2014	3.9 billion	54
2050	6.4 billion	66

Source: World Urbanization Prospects: The 2014 Revision

Department of Economic and Social Affairs, United Nations, ISBN 978-92-1-151517-6

Climate change policy

In 2015, United Nations Framework Convention on Climate Change (UNFCCC) adopted the Paris climate agreement

Climate change policy

Paris Declaration on Electro-Mobility and Climate Change & Call to Action: Countries strive to have at least 20% of all vehicles on the road to be electrically powered by 2030

Energy policy

We need to move to clean and renewable sources of energy

Energy policy

Electric cars can be sustainably powered from renewable energy

Transport policy

Sustainable movement of people and goods

Economic policy

Stimulate knowledge development, innovation and entrepreneurship

Policy ambitions

Policy domain	Policy goal	Specific policy targets
Public health (& environment)	Air quality	Limit NOx, SOx, particulate emissions
Climate change	Limit global warming	Reduce greenhouse gas emissions, esp. CO_2
Energy	Energy security/ affordability	Renewable energy sources, energy efficiency and decarbonisation
Transport	Mobility/ accessibility	Reduce congestion and ensure an efficient decarbonised transport system
Economy	Increase social welfare	Ensure competitive technology/industry, create jobs

Policy domain	Policy goal	Local	National	International
Public health (& Environment)	Air quality	xxx	x	x
Climate change	Limit global warming	x	x	xxx
Energy	Energy security	x	xxx	x
Transport	Mobility/ accessibility	x	xxx	x
Economy	Competitiveness/ jobs/welfare	x	xxx	x

Thank you for your attention !