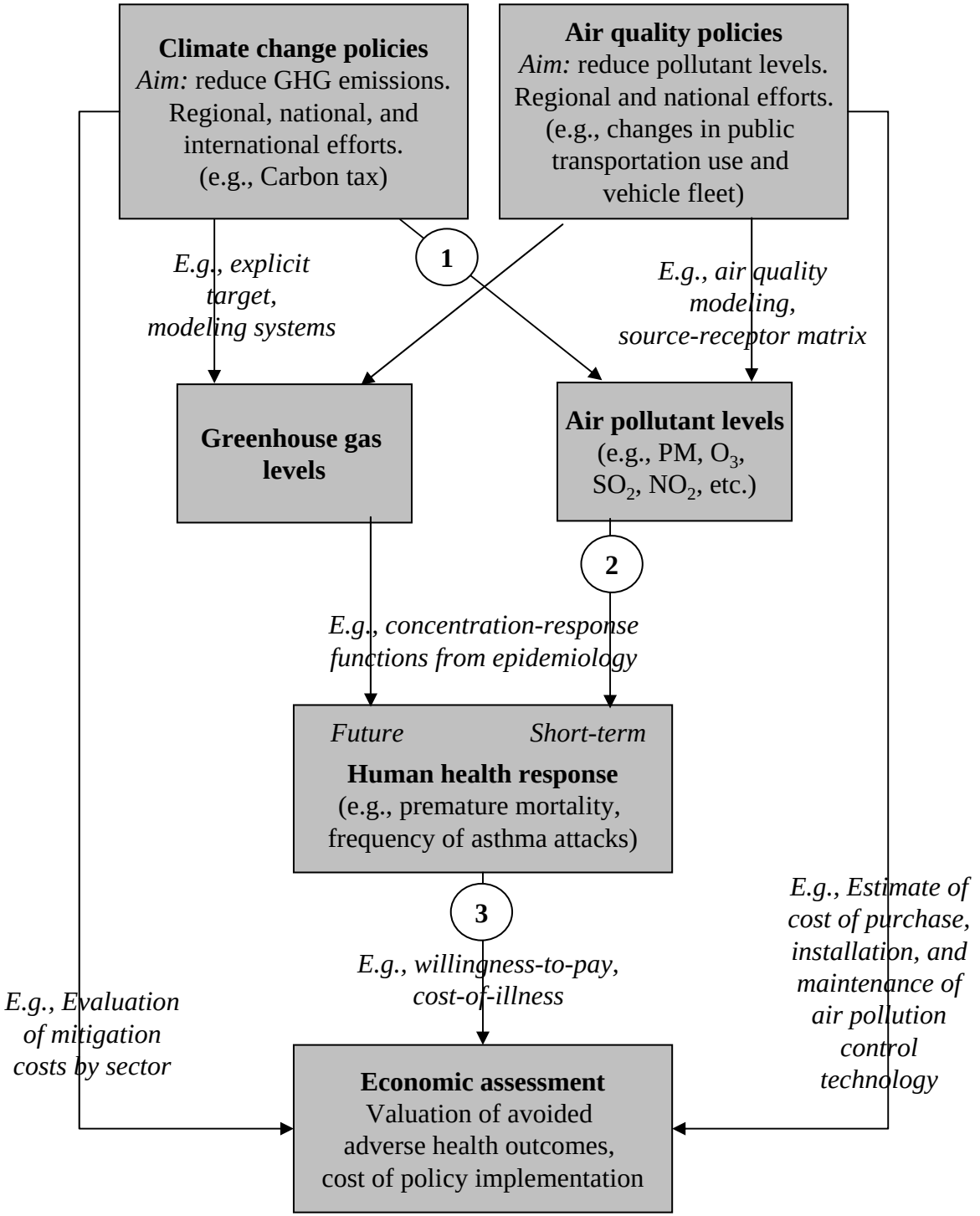
Climate change policies
Aim: reduce GHG emissions.
Regional, national, and international efforts.
(e.g., Carbon tax)
Air quality policies
Aim: reduce pollutant levels.
Regional and national efforts.
(e.g., changes in public transportation use and vehicle fleet)
1
E.g., explicit target, modeling systems
E.g., air quality modeling, source-receptor matrix
Greenhouse gas levels
Air pollutant levels
(e.g., PM, O_3, SO_2, NO_2, etc.)
2
E.g., concentration-response functions from epidemiology
Future
Short-term
Human health response
(e.g., premature mortality, frequency of asthma attacks)
3
E.g., willingness-to-pay, cost-of-illness
E.g., Evaluation of mitigation costs by sector
E.g., Estimate of cost of purchase, installation, and maintenance of air pollution control technology
Economic assessment
Valuation of avoided adverse health outcomes, cost of policy implementation