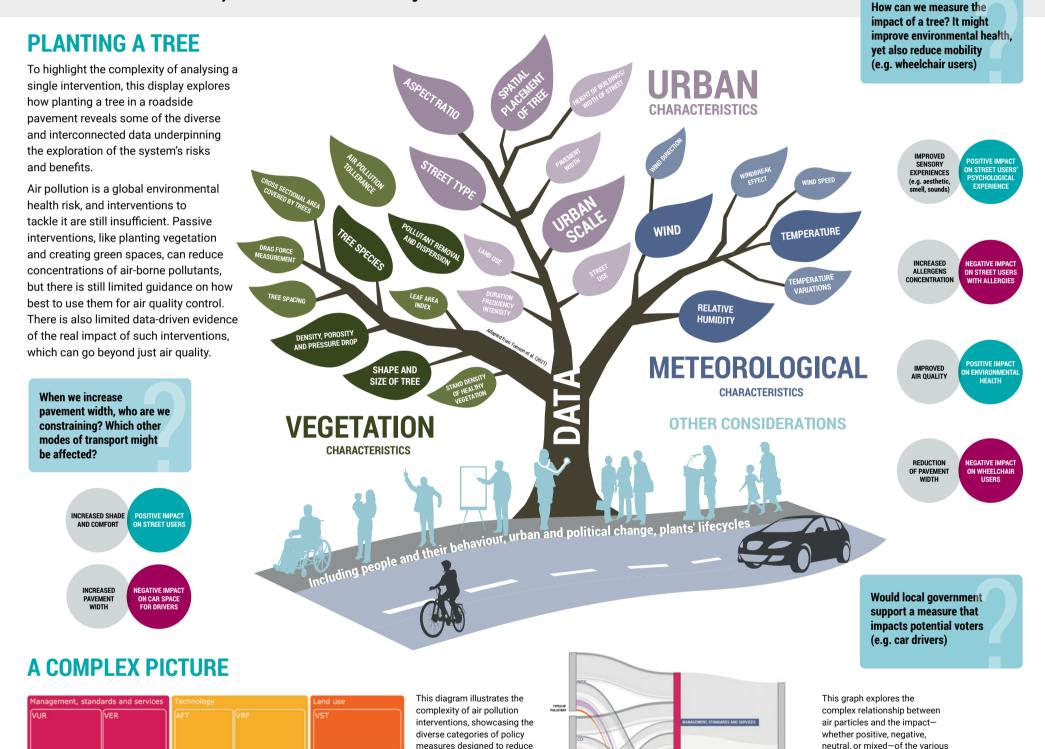
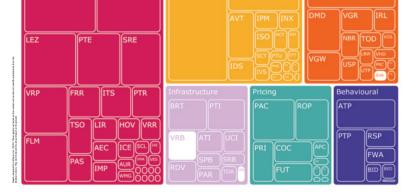
HOW CAN DATA HELP US TO UNDERSTAND AND ADDRESS COMPLEX PROBLEMS?

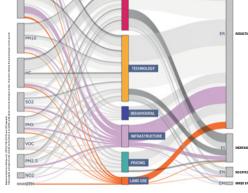
A single policy intervention can have hundreds of impacts – large and small, intended and unintended, positive and negative. Research supported by LSE's Data Science Institute with Dr Alexandra Gomes and her team, in partnership with the Ordnance Survey (OS) and NHS England, highlights the importance of understanding the complexity of data-driven systems behind health and wellbeing interventions. Understanding the complexity of the problem and having the right variety of data to map and visualise these interactions and tradeoffs is crucial in supporting policymakers. It enables them to make informed decisions about interventions for today's increasingly complex challenges.





air pollution, as identified through academic research and a literature review. Planting or removing vegetation can fall into at least three interventions within two categories in this classification:

(Within infrastructure) Vegetative roadside barrier, surface, or roof (VRB); Greenspace or bluespace (GBS); (Within land use) Street ventilation or open space creation (SVA).



categories of policy. Imagine the complex system around every intervention in this visualisation and you start to see the scale of the challenge for policymakers.



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