Unintended consequences: Methodologies to minimize the inevitable?

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In the current complex systems of provision on which society depends, unintended consequences will inevitably arise. Use of models can help us avoid unintended consequences in cases where this is possible, and minimise their impacts where they are unavoidable. In this presentation, Angela Druckman will first present some examples of unintended consequences, placing them in the context of a novel categorisation framework. She will then discuss the features, strengths and weaknesses of various modelling methodologies, and look at the trade-offs incurred within and between modelling approaches. The presentation will conclude with discussion of potential ways forward, through which unintended consequences may be minimised in future.