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Individual-based population viability modelling as a tool to quantify the effect of wind farm collisions

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We will describe ViaPop, an individual-based simulation approach to population viability modelling. The advantages and weaknesses of individual-based models compared with matrix-based models will be explored, as will a range of outputs to capture the nature and impact of population decline. Using examples from a number of seabird populations, we will discuss the role of probabilistic assessments of population change in particular. The interpretation of these different output measures and the appropriate timescales upon which to base critical decisions will also be discussed.