**Table 5.2.**Dealing with uncertainty in decision-making for management of biological invasions

Types of knowledge (epistemic) and linguistic uncertainty, and errors associated with invasive alien species listing during the decision-making process that can be considered and documented when relevant. Adapted from McGeoch et al. (2012).

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| --- | --- | --- |
| **Type of uncertainty** | **Errors associated with alien species listing** | |
| **Epistemic uncertainty** | Measurement error | Human error |
| Incomplete information searches |
| Systematic error | Species identification incorrect as a result of taxonomic uncertainty |
| Survey information on presence, extent and population dynamics |
| Resolution and scaling of invasive alien species range |
| Data and knowledge not documented |
| Documented data and knowledge not readily or widely accessible |
| Stochasticity and natural variation | Survey information on presence, extent and population dynamics |
| Subjective judgement | Baseline information on indigenous range |
| Species designation as invasive |
| Model uncertainty | Adequacy of research on impacts on biodiversity |
| **Linguistic uncertainty** | Vagueness | Species designation as invasive |
| Context dependence | Resolution and scaling of alien range |