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INTEGRATING MONITORING DATA ACROSS DIFFERENT DATA TYPES, LOCATIONS AND HABITAT TYPES

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ABSTRACT

It is possible to model different ecological data types with the same information in a coherent statistical framework. In the case in which plant cover needs to be modeled from plant cover data obtained by different sampling methods, it is suggested to model mean plant cover by a latent variable and measure the sampling variation with different measurement equations (Damgaard 2014). Using a structural equation modeling approach this approach may be generalised to estimate effects across different locations and habitat types

Damgaard, C. 2014. Estimating mean plant cover from different types of cover data: a coherent statistical framework. *Ecosphere* 5:art20.



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