

Applications of machine learning in conservation

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Machine learning is increasingly seen as a promising way to improve our ability to process vast amounts of data needed for understanding environmental changes. In this talk, I will give an overview of some of my recent research based on applying computer vision and machine learning to ecological data. It will cover detection of seals in aerial photos, re-identification of fish specimens from photographs, analysis of salmon scales, and an ongoing project on behaviour of cliff-nesting birds. In my talk I will try to highlight some of the core issues and potential future directions.