

## **PSI2009/291 Moorea Biocode Project**

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Breakthroughs in ecology are not coming quickly enough to solve the twin crises of climate change and mass extinction. The failure is especially stark when compared to the extraordinary advances in molecular biology and consequent benefits for human health. With the contribution of molecular biology to medicine as its inspiration, Biocode is part of a suite of programs based in Moorea, French Polynesia, aiming to stimulate a similar revolution in ecology for the benefit of conservation. The overarching outcome of the Moorea Biocode Project (MBP) is the acceleration of ecological discovery through the model ecosystem approach, reducing 'biodiversity bias' (towards certain life stages and taxa) in research, and enabling more innovation in conservation.

Specifically, we are genetically barcoding every non-microbial species on Moorea creating a professionally produced, verifiable (vouchered) 'All Taxa Biotic Inventory' (ATBI) of the entire ecosystem, together with the informatics services needed for ATBI and biocode-enabled research in Model Ecosystems.

Number of words in abstract: 152

Keywords: genetic - barcode - inventory

Technical area: Ecosystems, Biodiversity and Sustainable Development

Special session: Not specified

Presentation: Oral presentation preferred

Special equipment: No special equipment